

# CITATION REPORT

List of articles citing

## Apoptosis in the pathogenesis and treatment of disease

DOI: 10.1126/science.7878464  
Science, 1995, 267, 1456-62.

**Source:** <https://exaly.com/paper-pdf/26081369/citation-report.pdf>

**Version:** 2024-04-20

This report has been generated based on the citations recorded by exaly.com for the above article. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

| #    | Paper   | IF | Citations |
|------|---|----|-----------|
| 2297 | Prognostic impact of apoptosis marker Fas (CD95) and its ligand (FasL) on bladder cancer in Egypt: study of the effect of schistosomiasis. <b>2012</b> , 6, 278   |    | 6         |
| 2296 | A classification of sociomedical health indicators: perspectives for health administrators and health planners. <b>1976</b> , 6, 521-38   |    | 8         |
| 2295 | Downmodulation of dimethyl transferase activity enhances tumor necrosis factor-related apoptosis-inducing ligand-induced apoptosis in prostate cancer cells. <b>1992</b> , 33, 381  |    | 0         |
| 2294 | Analysis of caspase activities in rat mammary tumours induced by N-methyl-nitrosourea. <b>1994</b> , 20, 657  |    |           |
| 2293 | Potential chemoprevention effect of dietary fucoxanthin on urinary bladder cancer EJ-1 cell line. <b>1994</b> , 20, 1099  |    | 9         |
| 2292 | Transcription factor GATA-1 permits survival and maturation of erythroid precursors by preventing apoptosis. <b>1995</b> , 92, 9623-7   |    | 264       |
| 2291 | Neuronal cell death in scrapie-infected mice is due to apoptosis. <b>1995</b> , 5, 213-21   |    | 137       |
| 2290 | Role of phosphatidylinositol 3-OH-kinase activity in the inhibition of apoptosis in haemopoietic cells: phosphatidylinositol 3-OH-kinase inhibitors reveal a difference in signalling between interleukin-3 and granulocyte-macrophage colony stimulating factor. <b>1995</b> , 312 ( Pt 1), 159-62 |    | 114       |
| 2289 | Induction of apoptosis by excessive polyamine accumulation in ornithine decarboxylase-overproducing L1210 cells. <b>1995</b> , 311 ( Pt 3), 723-7   |    | 139       |
| 2288 | Novel hypotheses for the roles of EBNA-1 and BHRF1 in EBV-related cancers. <b>1995</b> , 38, 195-205  |    | 22        |
| 2287 | Mineral fibers induce apoptosis in Syrian hamster embryo fibroblasts. <b>1995</b> , 63, 213-21  |    | 13        |
| 2286 | Hepatitis B virus HBx protein deregulates cell cycle checkpoint controls. <b>1995</b> , 92, 11215-9   |    | 251       |
| 2285 | Chemical engineering of cellular processes. <b>1995</b> , 50, 4091-4108   |    | 13        |
| 2284 | The resting membrane potential of cells are measures of electrical work, not of ionic currents. <b>1995</b> , 30, 283-307   |    | 20        |
| 2283 | Interleukin-1 converting enzyme and related proteases as potential targets in inflammation and apoptosis. <b>1995</b> , 2, 389-399  |    | 28        |
| 2282 | Poly(ADP-ribosyl)ation as a fail-safe, transcription-independent, suicide mechanism in acutely DNA-damaged cells: a hypothesis. <b>1995</b> , 34, 251-4   |    | 11        |
| 2281 | Pharmaceutical biotechnology. <b>1995</b> , 6, 719-75   |    |           |

|      |  |      |      |
|------|--|------|------|
| 2280 | Free radical theory of aging: Alzheimer's disease pathogenesis. <b>1995</b> , 18, 97-119   |      | 77   |
| 2279 | Apoptosis in myelodysplasia: a paradox or paradigm. <b>1995</b> , 19, 887-91   |      | 34   |
| 2278 | Ischemia and excitotoxins in development. <b>1995</b> , 1, 193-200   |      | 12   |
| 2277 | Bax-deficient mice with lymphoid hyperplasia and male germ cell death. <i>Science</i> , <b>1995</b> , 270, 96-9  | 33.3 | 1291 |
| 2276 | Bcl-2 overexpression prevents motoneuron cell body loss but not axonal degeneration in a mouse model of a neurodegenerative disease. <b>1995</b> , 15, 7727-33                           |      | 183  |
| 2275 | dad-1, an endogenous programmed cell death suppressor in <i>Caenorhabditis elegans</i> and vertebrates.. <b>1995</b> , 14, 4434-4441   |      | 78   |
| 2274 | DNA damage in human B cells can induce apoptosis, proceeding from G1/S when p53 is transactivation competent and G2/M when it is transactivation defective.. <b>1995</b> , 14, 4994-5005 |      | 79   |
| 2273 | Cell cycle regulation and the function of cancer genes. <b>1995</b> , 6, 975-8   |      | 3    |
| 2272 | Microfilament reorganization during apoptosis: the role of Gas2, a possible substrate for ICE-like proteases.. <b>1995</b> , 14, 5179-5190   |      | 203  |
| 2271 | Structural and signaling requirements for BCR-ABL-mediated transformation and inhibition of apoptosis. <b>1995</b> , 15, 5531-41   |      | 247  |
| 2270 | Inhibition of ICE family proteases by baculovirus antiapoptotic protein p35. <i>Science</i> , <b>1995</b> , 269, 1885-8  | 33.3 | 600  |
| 2269 | Temporally distinct patterns of p53-dependent and p53-independent apoptosis during mouse lens development. <b>1995</b> , 9, 2157-69  |      | 189  |
| 2268 | Mechanisms for nitric oxide-induced cell death: involvement of apoptosis. <b>1995</b> , 5, 411-20  |      | 97   |
| 2267 | Neurotransmitters and vulnerability of the developing brain. <b>1995</b> , 17, 301-6   |      | 174  |
| 2266 | Dominant interfering Fas gene mutations impair apoptosis in a human autoimmune lymphoproliferative syndrome. <b>1995</b> , 81, 935-46  |      | 1294 |
| 2265 | <i>Drosophila</i> homologs of baculovirus inhibitor of apoptosis proteins function to block cell death. <b>1995</b> , 83, 1253-62  |      | 663  |
| 2264 | Mechanisms and genes of cellular suicide. <i>Science</i> , <b>1995</b> , 267, 1445-9   | 33.3 | 2268 |
| 2263 | Opposing effects of ERK and JNK-p38 MAP kinases on apoptosis. <i>Science</i> , <b>1995</b> , 270, 1326-31  | 33.3 | 4932 |

|      |   |     |
|------|---|-----|
| 2262 | Apoptosis, DNA damage and ubiquitin expression in normal and mdx muscle fibers after exercise. <b>1995</b> , 373, 291-5   | 123 |
| 2261 | Studies of specific gene induction during apoptosis of cell lines conditionally immortalized by SV40. <b>1995</b> , 374, 384-6  | 7   |
| 2260 | Involvement of programmed cell death in preimplantation embryo demise. <b>1995</b> , 1, 558-66  | 61  |
| 2259 | Visualization of dystrophic muscle fibers in mdx mouse by vital staining with Evans blue: evidence of apoptosis in dystrophin-deficient muscle. <b>1995</b> , 118, 959-64                               | 284 |
| 2258 | Insights into the basis of systemic lupus. <b>1995</b> , 8, 771-75  | 7   |
| 2257 | Therapeutic applications of neurotrophic factors in disorders of motor neurons and peripheral nerves. <b>1995</b> , 1, 278-86   | 24  |
| 2256 | Stratégies thérapeutiques au cours des maladies auto-immunes. <b>1996</b> , 7, 147-151  | 0   |
| 2255 | Prostate cancer--adjusting the tiller. <b>1996</b> , 155, 1678-80   |     |
| 2254 | Androgen regulation of ribosomal RNA synthesis in LNCaP cells and rat prostate. <b>1996</b> , 59, 431-9   | 22  |
| 2253 | EDITORIAL COMMENT. <b>1996</b> , 155, 892-893   | 1   |
| 2252 | Apoptosis-induced concomitant release of cytosolic proteins and factors which prevent cell death. <b>1996</b> , 88, 15-22   | 8   |
| 2251 | THE MOLECULAR BIOLOGY OF AUTOIMMUNITY. <b>1996</b> , 16, 659-682  | 0   |
| 2250 | The role of c-Jun N-terminal kinase (JNK) in apoptosis induced by ultraviolet C and gamma radiation. Duration of JNK activation may determine cell death and proliferation. <b>1996</b> , 271, 31929-36 | 715 |
| 2249 | Structure and function of the p53 tumor suppressor gene: clues for rational cancer therapeutic strategies. <b>1996</b> , 88, 1442-55  | 528 |
| 2248 | ICE-LAP3, a novel mammalian homologue of the Caenorhabditis elegans cell death protein Ced-3 is activated during Fas- and tumor necrosis factor-induced apoptosis. <b>1996</b> , 271, 1621-5            | 235 |
| 2247 | Apoptosis: A Functional Paradigm for Programmed Plant Cell Death Induced by a Host-Selective Phytotoxin and Invoked during Development. <b>1996</b> , 8, 375-391  | 428 |
| 2246 | The biology of Alzheimer's disease. <b>1996</b> , 91, 95-114  | 17  |
| 2245 | The retinoblastoma gene product is a negative modulator of the apoptotic pathway. <b>1996</b> , 36, 283-303   | 12  |

|      |  |     |
|------|--|-----|
| 2244 | Apoptosis and metastasis: a superior resistance of metastatic cancer cells to programmed cell death. <b>1996</b> , 101, 43-51  | 98  |
| 2243 | Interphase and M-phase oral KB carcinoma cells are targeted in staurosporine-induced apoptosis. <b>1996</b> , 104, 145-52  | 12  |
| 2242 | Quantitative analysis of changes in cell proliferation and apoptosis during preneoplastic and neoplastic stages of hepatocarcinogenesis in rat. <b>1996</b> , 105, 241-8 | 17  |
| 2241 | Increase in bax expression in substantia nigra following 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine (MPTP) treatment of mice. <b>1996</b> , 204, 85-8                  | 84  |
| 2240 | Nicotinamide as a precursor for NAD <sup>+</sup> prevents apoptosis in the mouse brain induced by tertiary-butylhydroperoxide. <b>1996</b> , 206, 5-8                    | 84  |
| 2239 | Induction of apoptosis and secondary necrosis in rat dorsal root ganglion cell cultures by oxidized low density lipoprotein. <b>1996</b> , 209, 33-6                     | 27  |
| 2238 | Preventive effect of Ginkgo biloba extract on apoptosis in rat cerebellar neuronal cells induced by hydroxyl radicals. <b>1996</b> , 214, 115-8                          | 137 |
| 2237 | Cross-linking of concanavalin A receptors on cortical neurons induces programmed cell death. <b>1996</b> , 75, 173-85  | 38  |
| 2236 | Tetrahydroaminoacridine-induced apoptosis in rat hepatocytes. <b>1996</b> , 10, 383-93   | 6   |
| 2235 | Calcium channel blockers and cancer: is an association biologically plausible?. <b>1996</b> , 9, 713-4   | 37  |
| 2234 | Clinical multidrug resistance in cancer: a multifactorial problem. <b>1996</b> , 32A, 912-20   | 147 |
| 2233 | Successive injections in mdx mice of myoblasts grown with bFGF. <b>1996</b> , 6, 187-93  | 21  |
| 2232 | Advances in cellular and molecular radiation oncology. <b>1996</b> , 2, 3-13   | 3   |
| 2231 | Cell division and the nervous system: regulating the cycle from neural differentiation to death. <b>1996</b> , 19, 62-8  | 137 |
| 2230 | Apoptosis: programmed cell death in fetal development. <b>1996</b> , 64, 129-33  | 65  |
| 2229 | The endogenous estrogen metabolite 2-methoxyestradiol induces apoptotic neuronal cell death in vitro. <b>1996</b> , 58, 1461-7   | 23  |
| 2228 | Protective action of isoquinolinesulfonamides in in vitro models of neuronal apoptosis. <b>1996</b> , 58, PL295-301  | 6   |
| 2227 | Apoptosis--the cell's silent exit. <b>1996</b> , 59, 369-78  | 45  |

|      |   |     |
|------|---|-----|
| 2226 | Ebselen inhibition of apoptosis by reduction of peroxides. <b>1996</b> , 51, 1443-51  | 67  |
| 2225 | Effects of hemin on apoptosis, suppression of cytochrome c oxidase gene expression, and bone-marrow toxicity induced by doxorubicin (adriamycin). <b>1996</b> , 52, 713-22                                    | 33  |
| 2224 | Control of apoptosis by the cellular ATP level. <b>1996</b> , 378, 107-10   | 370 |
| 2223 | Removal of proteasomes from the nucleus and their accumulation in apoptotic blebs during programmed cell death. <b>1996</b> , 394, 47-50  | 46  |
| 2222 | Analysis of events associated with serum deprivation-induced apoptosis in C3H/Sol8 muscle satellite cells. <b>1996</b> , 226, 372-80  | 42  |
| 2221 | Brefeldin A is a potent inducer of apoptosis in human cancer cells independently of p53. <b>1996</b> , 227, 190-6   | 98  |
| 2220 | Heterotrimeric G-proteins are implicated in the regulation of apoptosis in pancreatic beta-cells. <b>1996</b> , 229, 69-76  | 37  |
| 2219 | Exacerbation of apoptosis in the dentate gyrus of the aged rat by dexamethasone and the protective role of corticosterone. <b>1996</b> , 140, 43-52   | 143 |
| 2218 | Effects of donor age and brain-derived neurotrophic factor on the survival of dopaminergic neurons and axonal growth in postnatal rat nigrostriatal cocultures. <b>1996</b> , 142, 340-50                     | 22  |
| 2217 | The penetration of autoantibodies into cells may induce tolerance to self by apoptosis of autoreactive lymphocytes and cause autoimmune disease by dysregulation and/or cell damage. <b>1996</b> , 9, 295-300 | 48  |
| 2216 | Costimulatory signals and viral immunity. <b>1996</b> , 7, 103-111  | 5   |
| 2215 | Identification of the snake venom substance that induces apoptosis. <b>1996</b> , 224, 134-9  | 124 |
| 2214 | Chromosomal localization of the human genes, CPP32, Mch2, Mch3, and Ich-1, involved in cellular apoptosis. <b>1996</b> , 225, 983-9   | 21  |
| 2213 | The extracellular matrix in epithelial biology: shared molecules and common themes in distant phyla. <b>1996</b> , 180, 433-44  | 106 |
| 2212 | Neopterin and 7,8-dihydroneopterin induce apoptosis in the rat alveolar epithelial cell line L2. <b>1996</b> , 397, 263-8   | 50  |
| 2211 | CAR1, a TNFR-related protein, is a cellular receptor for cytopathic avian leukosis-sarcoma viruses and mediates apoptosis. <b>1996</b> , 87, 845-55   | 214 |
| 2210 | Glucose loading induces DNA fragmentation in rat proximal tubular cells. <b>1996</b> , 45, 1348-53  | 39  |
| 2209 | Flupirtine increases the levels of glutathione and Bc1-2 in hNT (human Ntera/D1) neurons: mode of action of the drug-mediated anti-apoptotic effect. <b>1996</b> , 317, 157-64                                | 28  |

|      |   |      |     |
|------|---|------|-----|
| 2208 | Nutrition and apoptosis. <b>1996</b> , 16, 1959-1987  |      | 19  |
| 2207 | Global ischemia induces apoptosis-associated genes in hippocampus. <b>1996</b> , 42, 79-88  |      | 121 |
| 2206 | Monocyte-derived macrophages prime peripheral T cells to undergo apoptosis by cell-cell contact via ICAM-1/LFA-1-dependent mechanism. <b>1996</b> , 195, 323-33   |      | 15  |
| 2205 | Does an inability to eradicate normal stem cells preclude the cure of some cancers?. <b>1996</b> , 47, 31-4   |      |     |
| 2204 | Genes for Prader Willi syndrome/Angelman syndrome and fragile X syndrome are homologous, with genetic imprinting and unstable trinucleotide repeats causing mental retardation, autism and aggression. <b>1996</b> , 47, 289-98 |      | 6   |
| 2203 | Apoptosis: pathophysiology of programmed cell death. <b>1996</b> , 192, 676-83  |      | 52  |
| 2202 | Apoptotic features of selective neuronal death in ischemia, epilepsy and gp 120 toxicity. <b>1996</b> , 19, 109-14  |      | 170 |
| 2201 | Hydrogen peroxide in relation to proliferation and apoptosis in BHK-21 hamster fibroblasts. <b>1996</b> , 24, 81-93   |      | 73  |
| 2200 | Regulation of a physiological apoptosis: mouse mammary involution. <b>1996</b> , 79, 1074-84  |      | 37  |
| 2199 | Programmed cell death in invertebrates. <b>1996</b> , 6, 34-8   |      | 86  |
| 2198 | Ischemia-induced neuronal apoptosis. <b>1996</b> , 6, 667-72  |      | 508 |
| 2197 | Analysis of progress curves of enzymatic reactions with unstable species. <b>1996</b> , 28, 1371-1379   |      | 6   |
| 2196 | Interfering with apoptosis: Ca(2+)-binding protein ALG-2 and Alzheimer's disease gene ALG-3. <i>Science</i> , <b>1996</b> , 271, 521-5  | 33.3 | 473 |
| 2195 | Prevention of islet allograft rejection with engineered myoblasts expressing FasL in mice. <i>Science</i> , <b>1996</b> , 273, 109-12   | 33.3 | 418 |
| 2194 | Apoptosis. <b>1996</b> , 5, 413-419   |      | 1   |
| 2193 | Use of Intravenous Immunoglobulins in Haematological Disorders. <b>1996</b> , 5, 465-485  |      | 8   |
| 2192 | Highly sensitive ELISA for soluble Fas in serum: increased soluble Fas in the elderly. <b>1996</b> , 42, 1911-1914  |      | 43  |
| 2191 | Choline deficiency induces apoptosis in SV40-immortalized CWSV-1 rat hepatocytes in culture. <b>1996</b> , 10, 510-6  |      | 87  |

|      |   |     |
|------|---|-----|
| 2190 | Calcium-dependent, interleukin 1-converting enzyme inhibitor-insensitive degradation of lamin B1 and DNA fragmentation in isolated thymocyte nuclei. <b>1996</b> , 271, 22398-406               | 53  |
| 2189 | Glyceraldehyde-3-phosphate dehydrogenase antisense oligodeoxynucleotides protect against cytosine arabinonucleoside-induced apoptosis in cultured cerebellar neurons. <b>1996</b> , 93, 9937-41 | 167 |
| 2188 | The cell death inhibitor Bcl-2 and its homologues influence control of cell cycle entry.. <b>1996</b> , 15, 6979-6990   | 268 |
| 2187 | The role of proteases during apoptosis. <b>1996</b> , 10, 587-97  | 491 |
| 2186 | STK/RON receptor tyrosine kinase mediates both apoptotic and growth signals via the multifunctional docking site conserved among the HGF receptor family.. <b>1996</b> , 15, 5866-5875          | 105 |
| 2185 | Identification of genes induced by factor deprivation in hematopoietic cells undergoing apoptosis using gene-trap mutagenesis and site-specific recombination. <b>1996</b> , 93, 15279-84       | 26  |
| 2184 | Involvement of stress-activated protein kinase and p38 mitogen-activated protein kinase in mlgM-induced apoptosis of human B lymphocytes. <b>1996</b> , 93, 13814-8                             | 151 |
| 2183 | Bcl-2 expression in neural cells blocks activation of ICE/CED-3 family proteases during apoptosis. <b>1996</b> , 16, 5654-60  | 104 |
| 2182 | Apoptosis is observed in mesothelial cells after exposure to crocidolite asbestos. <b>1996</b> , 15, 141-7  | 79  |
| 2181 | Altered methional homeostasis is associated with decreased apoptosis in BAF3 bcl2 murine lymphoid cells. <b>1996</b> , 313 ( Pt 3), 973-81  | 13  |
| 2180 | A mouse Fas-associated protein with homology to the human Mort1/FADD protein is essential for Fas-induced apoptosis. <b>1996</b> , 16, 2756-63  | 104 |
| 2179 | A comparative study of apoptosis and cell proliferation in infantile and adult fibrosarcomas. <b>1996</b> , 106, 493-7  | 17  |
| 2178 | Multiparameter flow-cytometric analysis of bcl-2 and Fas expression in normal and neoplastic hematopoiesis. <b>1996</b> , 106, 345-51   | 37  |
| 2177 | Biochemie und Molekulargenetik 1995. <b>1996</b> , 44, 168-182  |     |
| 2176 | Apoptosis in Plants. <b>1996</b> , 109, 268-277   | 66  |
| 2175 | Structure-function comparisons of the proapoptotic protein Bax in yeast and mammalian cells. <b>1996</b> , 16, 6494-508   | 269 |
| 2174 | Expression of galectin-3 modulates T-cell growth and apoptosis. <b>1996</b> , 93, 6737-42   | 607 |
| 2173 | bcl-2 overexpression reduces apoptotic photoreceptor cell death in three different retinal degenerations. <b>1996</b> , 93, 7042-7  | 186 |



|      |  |     |
|------|--|-----|
| 2172 | Antisense EGFR sequence enhances apoptosis in a human hepatoma cell line BEL-7404. <b>1996</b> , 6, 145-153  | 1   |
| 2171 | Bcl-2 interacting protein, BAG-1, binds to and activates the kinase Raf-1. <b>1996</b> , 93, 7063-8  | 321 |
| 2170 | Section Review Central & Peripheral Nervous Systems: Mechanisms of apoptosis as drug targets in the central nervous system. <b>1996</b> , 6, 345-366             | 3   |
| 2169 | The control of hematopoiesis and leukemia: from basic biology to the clinic. <b>1996</b> , 93, 4742-9  | 115 |
| 2168 | Differential suppression by protease inhibitors and cytokines of apoptosis induced by wild-type p53 and cytotoxic agents. <b>1996</b> , 93, 12507-12             | 75  |
| 2167 | Superoxide anion is a natural inhibitor of FAS-mediated cell death.. <b>1996</b> , 15, 216-225   | 195 |
| 2166 | The role of calcium in the regulation of apoptosis. <b>1996</b> , 59, 775-783  | 174 |
| 2165 | Simple method for pretreatment of tissue sections for the detection of apoptosis by in situ end-labelling and in situ nick translation. <b>1996</b> , 49, M273-7 | 4   |
| 2164 | Streptozotocin at low doses induces apoptosis and at high doses causes necrosis in a murine pancreatic beta cell line, INS-1. <b>1996</b> , 39, 1229-36          | 33  |
| 2163 | Programmed cell death in bacteria. <b>1996</b> , 41, 451-464   | 21  |
| 2162 | Abnormalities of epithelial apoptosis in multistep colorectal neoplasia demonstrated by terminal deoxyuridine nick end labeling. <b>1996</b> , 41, 2238-47       | 39  |
| 2161 | T-lymphocyte mediated tumor cell destruction in vivo associating with a specific feature of apoptosis. <b>1996</b> , 8, 9-13                                     |     |
| 2160 | Lens epithelial cell apoptosis is an early event in the development of UVB-induced cataract. <b>1996</b> , 20, 301-11  | 128 |
| 2159 | ICE/CED-3 proteases in apoptosis. <b>1996</b> , 6, 245-8   | 119 |
| 2158 | Calcium channel blockers induce thymic apoptosis in vivo in rats. <b>1996</b> , 139, 122-7   | 37  |
| 2157 | Stimulation of N-methyl-D-aspartate receptors induces apoptosis in rat brain. <b>1996</b> , 725, 166-76  | 19  |
| 2156 | Pharmacological characterization of apoptotic cell death in a model of photothrombotic brain injury in rats. <b>1996</b> , 734, 1-9                              | 14  |
| 2155 | Differential apoptotic pattern induced by photodynamic therapy and cisplatin in human squamous cell carcinoma cell line. <b>1996</b> , 289, 52-4                 | 8   |

|      |  |     |
|------|--|-----|
| 2154 | Role of protein kinase activity in apoptosis. <b>1996</b> , 52, 979-94   | 59  |
| 2153 | Induction of vanadium accumulation and nuclear sequestration causing cell suicide in human Chang liver cells. <b>1996</b> , 52, 778-85   | 16  |
| 2152 | Apoptosis of cells lacking mitochondrial DNA. <b>1996</b> , 1, 119-125   | 18  |
| 2151 | Cyclophosphamide-induced apoptosis induces phocomelia in the mouse. <b>1996</b> , 70, 672-7  | 7   |
| 2150 | Upregulated expression of Fas antigen on cultured human keratinocytes with induction of apoptosis by cisplatin. <b>1996</b> , 288, 267-9   | 8   |
| 2149 | Molecular, structural, and biological characteristics of the tumor necrosis factor ligand superfamily. <b>1996</b> , 26, 143-59  | 95  |
| 2148 | Apoptotic cell death of photoreceptor cells in mice deficient for the adhesion molecule on glia (AMOG, the beta 2- subunit of the Na, K-ATPase). <b>1996</b> , 25, 243-55                          | 32  |
| 2147 | Apoptosis: molecular regulation of cell death. <b>1996</b> , 236, 1-26   | 467 |
| 2146 | Cell proliferation and nuclear abnormalities are increased and apoptosis is decreased in the epidermis of the p53 null mouse after topical application of benzo[a]pyrene. <b>1996</b> , 29, 561-76 | 6   |
| 2145 | Established cell lines transformed by E2F-1 overexpression contain wild-type p53. <b>1996</b> , 29, 579-88   | 7   |
| 2144 | Cycloheximide-induced apoptosis in melanoma cells derived from regressing cutaneous tumours of Sinclair swine. <b>1996</b> , 115, 353-72   | 9   |
| 2143 | Apoptosis and gastrointestinal pharmacology. <b>1996</b> , 72, 149-69  | 60  |
| 2142 | Apoptosis and cancer risk assessment. <b>1996</b> , 365, 71-90   | 44  |
| 2141 | Radiation induced apoptosis. <b>1996</b> , 366, 171-9  | 63  |
| 2140 | RNA- and protein-synthesis inhibitors induce apoptosis in a midgut cell line from the spruce budworm, <i>Choristoneura fumiferana</i> . <b>1996</b> , 42, 1061-1069                                | 8   |
| 2139 | Cell death in <i>C. elegans</i> : molecular insights into mechanisms conserved between nematodes and mammals. <b>1996</b> , 6, 411-25  | 32  |
| 2138 | Mechanisms of neuronal death in Alzheimer's disease. <b>1996</b> , 6, 493-506  | 236 |
| 2137 | Nahua indian medicinal plants (Mexico): Inhibitory activity on NF- $\kappa$ B as an anti-inflammatory model and antibacterial effects. <b>1996</b> , 3, 263-9                                      | 35  |

|      |  |     |
|------|--|-----|
| 2136 | The cell-death machine. <b>1996</b> , 6, 555-62  | 334 |
| 2135 | The stress-activated protein kinase pathway mediates cell death following injury induced by cis-platinum, UV irradiation or heat. <b>1996</b> , 6, 606-13                                  | 411 |
| 2134 | Clinical applications of molecular biology in radiation oncology. <b>1996</b> , 6, 245-249   | 8   |
| 2133 | Is the induction of apoptosis the mechanism of the protective effects of TNF alpha in helminth infection?. <b>1996</b> , 18, 111-3   | 6   |
| 2132 | Expression and function of the Fas receptor on human blood and tissue eosinophils. <b>1996</b> , 26, 1775-80   | 74  |
| 2131 | Induction of apoptosis in HT-29 cells infected with SA-11 rotavirus. <b>1996</b> , 50, 325-34  | 30  |
| 2130 | Apoptosis of crypt epithelial cells in ulcerative colitis. <b>1996</b> , 180, 152-9  | 215 |
| 2129 | Sequestration of mitotic (M-phase) chromosomes in autophagosomes: mitotic programmed cell death in human Chang liver cells induced by an OH* burst from vanadyl(4). <b>1996</b> , 245, 1-8 | 37  |
| 2128 | Enhancement of survivability of mammalian cells by overexpression of the apoptosis-suppressor gene bcl-2. <b>1996</b> , 52, 166-75   | 73  |
| 2127 | Final checkpoint in the drug-promoted and poliovirus-promoted apoptosis is under post-translational control by growth factors. <b>1996</b> , 63, 422-431                                   | 14  |
| 2126 | Insulin-like growth factor I rescues SH-SY5Y human neuroblastoma cells from hyperosmotic induced programmed cell death. <b>1996</b> , 166, 323-31  | 132 |
| 2125 | Interferon-gamma induced cell death in a cultured human salivary gland cell line. <b>1996</b> , 167, 297-304   | 53  |
| 2124 | Activation of the insulin-like growth factor-I receptor inhibits tumor necrosis factor-induced cell death. <b>1996</b> , 168, 499-509  | 77  |
| 2123 | A glass fiber/diethylaminoethyl double filter binding assay that measures apoptotic internucleosomal DNA fragmentation. <b>1996</b> , 242, 187-96  | 4   |
| 2122 | Synthesis of chemoreversible prodrugs of ara-C with variable time-release profiles. Biological evaluation of their apoptotic activity. <b>1996</b> , 4, 1585-96                            | 26  |
| 2121 | 'Gloom in the society of enzymes': on the nature of biological information. <b>1996</b> , 38, 163-71   | 17  |
| 2120 | Lymphocyte activation and effector functions. <b>1996</b> , 8, 421-44  |     |
| 2119 | CD8+ lymphocyte phenotype and cytokine production in long-term non-progressor and in progressor patients with HIV-1 infection. <b>1996</b> , 105, 220-4                                    | 75  |

|      |  |      |
|------|--|------|
| 2118 | Salmonella spp. are cytotoxic for cultured macrophages. <b>1996</b> , 21, 1101-15  | 330  |
| 2117 | Neuronal apoptosis versus necrosis induced by glutamate or free radicals. <b>1996</b> , 1, 5-10  | 16   |
| 2116 | Epidermal growth factor induced apoptosis. <b>1996</b> , 1, 33-39  | 12   |
| 2115 | The neutral comet assay is sufficient to identify an apoptotic window by visual inspection. <b>1996</b> , 1, 91-94                             | 20   |
| 2114 | Editorial review: Apoptosis and its role in immunity. <b>1996</b> , 1, 227-230   | 1    |
| 2113 | The cell biology of apoptosis: Evidence for the implication of mitochondria. <b>1996</b> , 1, 231-242  | 37   |
| 2112 | Signal transduction pathways in apoptosis. <b>1996</b> , 14, 619-31  | 92   |
| 2111 | Bcl-2 protects from lethal hepatic apoptosis induced by an anti-Fas antibody in mice. <b>1996</b> , 2, 80-6                                    | 354  |
| 2110 | Selective radiosensitization of p53-deficient cells by caffeine-mediated activation of p34cdc2 kinase. <b>1996</b> , 2, 1140-3                 | 134  |
| 2109 | Global ischemia induces immediate-early genes encoding zinc finger transcription factors. <b>1996</b> , 16, 557-65                             | 65   |
| 2108 | Antibodies against adhesion molecules reduce apoptosis after transient middle cerebral artery occlusion in rat brain. <b>1996</b> , 16, 578-84 | 166  |
| 2107 | The role of CTLA-4 in the regulation and initiation of T-cell responses. <b>1996</b> , 153, 27-46  | 183  |
| 2106 | Endonuclease induced DNA damage and cell death in chemical hypoxic injury to LLC-PK1 cells. <b>1996</b> , 49, 355-61                           | 38   |
| 2105 | ICE/CED3-like proteases as therapeutic targets for the control of inappropriate apoptosis. <b>1996</b> , 14, 297-301                           | 225  |
| 2104 | Hypoxia-mediated selection of cells with diminished apoptotic potential in solid tumours. <b>1996</b> , 379, 88-91                             | 2026 |
| 2103 | Schwann cell apoptosis at developing neuromuscular junctions is regulated by glial growth factor. <b>1996</b> , 379, 174-7                     | 252  |
| 2102 | Suppression of apoptosis in mammalian cells by NAIP and a related family of IAP genes. <b>1996</b> , 379, 349-53                               | 917  |
| 2101 | Reversal of apoptosis by the leukaemia-associated E2A-HLF chimaeric transcription factor. <b>1996</b> , 382, 541-4                             | 124  |

|      |  |     |
|------|--|-----|
| 2100 | Apoptosis is the predominant form of epithelial target cell injury in acute experimental graft-versus-host disease. <b>1996</b> , 107, 377-83                                      | 62  |
| 2099 | Binding of DNA oligonucleotides to sequences in the promoter of the human bc1-2 gene. <b>1996</b> , 24, 1758-64  | 23  |
| 2098 | Induction of gastric epithelial apoptosis by Helicobacter pylori. <b>1996</b> , 38, 498-501  | 324 |
| 2097 | Molecular ordering of the cell death pathway. Bcl-2 and Bcl-xL function upstream of the CED-3-like apoptotic proteases. <b>1996</b> , 271, 4573-6                                  | 471 |
| 2096 | HIV-induced apoptosis requires the CD4 receptor cytoplasmic tail and is accelerated by interaction of CD4 with p56lck. <b>1996</b> , 183, 39-48                                    | 47  |
| 2095 | Chemospheric evaluation. <b>1996</b> , 15, 695-6   |     |
| 2094 | Importance of and approaches to quantification of hepatocyte apoptosis. <b>1996</b> , 24, 24-35  | 55  |
| 2093 | Proapoptotic protein Bax heterodimerizes with Bcl-2 and homodimerizes with Bax via a novel domain (BH3) distinct from BH1 and BH2. <b>1996</b> , 271, 7440-4                       | 324 |
| 2092 | Proteins of the Myc network: essential regulators of cell growth and differentiation. <b>1996</b> , 68, 109-82   | 600 |
| 2091 | Requirement of the familial Alzheimer's disease gene PS2 for apoptosis. Opposing effect of ALG-3. <b>1996</b> , 271, 31025-8   | 111 |
| 2090 | Induction of neuronal apoptosis by camptothecin, an inhibitor of DNA topoisomerase-I: evidence for cell cycle-independent toxicity. <b>1996</b> , 134, 757-70                      | 261 |
| 2089 | DNA-dependent protein kinase is a target for a CPP32-like apoptotic protease. <b>1996</b> , 271, 25035-40  | 96  |
| 2088 | Bax homodimerization is not required for Bax to accelerate chemotherapy-induced cell death. <b>1996</b> , 271, 32073-7   | 41  |
| 2087 | Two wound-inducible soybean cysteine proteinase inhibitors have greater insect digestive proteinase inhibitory activities than a constitutive homolog. <b>1996</b> , 111, 1299-306 | 131 |
| 2086 | The involvement of protein phosphatases in the activation of ICE/CED-3 protease, intracellular acidification, DNA digestion, and apoptosis. <b>1996</b> , 271, 18263-71            | 123 |
| 2085 | Localisation of apoptosis and expression of apoptosis related proteins in the synovium of patients with rheumatoid arthritis. <b>1996</b> , 55, 442-9                              | 75  |
| 2084 | Apoptosis and vascular wall remodeling in hypertension. <b>1996</b> , 74, 850-861  | 46  |
| 2083 | Exits from the maze of apoptosis?. <b>1996</b> , 15, 694-5   |     |

|      |   |     |
|------|---|-----|
| 2082 | The <i>Caenorhabditis elegans</i> cell-death protein CED-3 is a cysteine protease with substrate specificities similar to those of the human CPP32 protease. <b>1996</b> , 10, 1073-83  | 269 |
| 2081 | Type I insulin-like growth factor receptor activation regulates apoptotic proteins. <b>1996</b> , 271, 31791-4  | 133 |
| 2080 | The rise and fall of apoptosis during multistage tumorigenesis: down-modulation contributes to tumor progression from angiogenic progenitors. <b>1996</b> , 10, 2105-16   | 144 |
| 2079 | Stress proteins in inflammation. <b>1996</b> , 77, 375-91   | 32  |
| 2078 | Glutathione levels and sensitivity to apoptosis are regulated by changes in transaldolase expression. <b>1996</b> , 271, 32994-3001   | 155 |
| 2077 | At least two ways to apoptose: The 2-chlorodeoxyadenosine-induced cell death signalling pathway in human thymocytes is different from that induced by 2-chloroadenosine Szondy Z Biochemical Journal, 1995; 311: 585 - 588. <b>1996</b> , 15, 274-276 |     |
| 2076 | Oxygen deprivation but not a combination of oxygen, glucose, and serum deprivation induces DNA degradation in mouse cortical neurons in vitro: attenuation by transgenic overexpression of CuZn-superoxide dismutase. <b>1996</b> , 13, 233-44        | 28  |
| 2075 | D4-GDI, a substrate of CPP32, is proteolyzed during Fas-induced apoptosis. <b>1996</b> , 271, 11209-13  | 182 |
| 2074 | Increased small intestinal apoptosis in coeliac disease. <b>1996</b> , 39, 811-7  | 114 |
| 2073 | Bax can antagonize Bcl-XL during etoposide and cisplatin-induced cell death independently of its heterodimerization with Bcl-XL. <b>1996</b> , 271, 22764-72  | 89  |
| 2072 | Hypoxia, ischaemia, and apoptosis. <b>1996</b> , 75, F73-5  | 22  |
| 2071 | A role for Jun-N-terminal kinase in anoikis; suppression by bcl-2 and crmA. <b>1996</b> , 135, 1377-82  | 220 |
| 2070 | Mechanisms of cell injury and death. <b>1996</b> , 77, 3-10   | 74  |
| 2069 | RRR-alpha-tocopheryl succinate induces apoptosis in avian retrovirus-transformed lymphoid cells. <b>1996</b> , 25, 9-26   | 40  |
| 2068 | Bcl-x(S) antagonizes the protective effects of Bcl-x(L). <b>1996</b> , 271, 6306-12   | 155 |
| 2067 | Intracellular calcium stores are not required for Bcl-2-mediated protection from apoptosis. <b>1996</b> , 271, 27739-43   | 32  |
| 2066 | Transcriptional activation of the cdc2 gene is associated with Fas-induced apoptosis of human hematopoietic cells. <b>1996</b> , 271, 28469-77  | 54  |
| 2065 | CrmA/SPI-2 inhibition of an endogenous ICE-related protease responsible for lamin A cleavage and apoptotic nuclear fragmentation. <b>1996</b> , 271, 32487-90   | 58  |

|      |  |     |
|------|--|-----|
| 2064 | Activation of the CPP32 apoptotic protease by distinct signaling pathways with differential sensitivity to Bcl-xL. <b>1996</b> , 271, 17601-4  | 145 |
| 2063 | Biochemical pathways of apoptosis: nicotinamide adenine dinucleotide-deficient cells are resistant to tumor necrosis factor or ultraviolet light activation of the 24-kD apoptotic protease and DNA fragmentation. <b>1996</b> , 183, 463-71 | 50  |
| 2062 | Persistent activation of c-Jun N-terminal kinase 1 (JNK1) in gamma radiation-induced apoptosis. <b>1996</b> , 271, 631-4   | 389 |
| 2061 | European CSF Symposium. <b>1996</b> , 20, 156-179  | 1   |
| 2060 | Polycystic Ovary Syndrome (PCOS): The Possible Roles of Apoptosis in Human Granulosa Cells. <b>1996</b> , 51-70  | 3   |
| 2059 | Modification of growth related enzymatic pathways and apparent loss of tumorigenicity of a ras-transformed bovine endothelial cell line by treatment with 5-iodo-6-amino-1,2-benzopyrone (INH2BP). <b>1996</b> , 8, 239-52                   | 4   |
| 2058 | Different types of DNA cleavage involved in osteosarcoma cell death. <b>1996</b> , 9, 145  |     |
| 2057 | Apoptosis: A Functional Paradigm for Programmed Plant Cell Death Induced by a Host-Selective Phytotoxin and Invoked during Development. <b>1996</b> , 8, 375   | 78  |
| 2056 | Bcl-x gene expression in Hodgkin's disease. <b>1996</b> , 23, 143-6  | 14  |
| 2055 | In-situ end labelling with bromodeoxyuridine--an advanced technique for the visualization of apoptotic cells in histological specimens. <b>1996</b> , 28, 311-4  | 11  |
| 2054 | Fas gene mutations in the Canale-Smith syndrome, an inherited lymphoproliferative disorder associated with autoimmunity. <b>1996</b> , 335, 1643-9   | 438 |
| 2053 | Growth factors in ovarian follicle atresia. <b>1996</b> , 14, 197-202  | 17  |
| 2052 | Silica-induced apoptosis mediated via scavenger receptor in human alveolar macrophages. <b>1996</b> , 141, 84-92   | 140 |
| 2051 | C-Myc and Bcl-2 protein expression during the induction of apoptosis and differentiation in TNF alpha-treated HL-60 cells. <b>1996</b> , 23, 383-94  | 18  |
| 2050 | Hepatocyte growth factor in bronchoalveolar lavage fluids and cells in patients with inflammatory chest diseases of the lower respiratory tract: detection by RIA and in situ hybridization. <b>1997</b> , 16, 388-97                        | 43  |
| 2049 | Blockierung von Zelladhäsionsmechanismen: Eine neue Perspektive zur Behandlung des ischämischen Hirninfarkts. <b>1997</b> , 24, 56-60  | 1   |
| 2048 | Interference of BAD (Bcl-xL/Bcl-2-associated death promoter)-induced apoptosis in mammalian cells by 14-3-3 isoforms and P11. <b>1997</b> , 11, 1858-67  | 143 |
| 2047 | Asbestos, the mesothelial cell and malignancy: a matter of life or death. <b>1997</b> , 17, 657-9  | 26  |

|      |  |     |
|------|--|-----|
| 2046 | [Apoptosis and anti-apoptosis genes in the Bcl-2 family]. <b>1997</b> , 105, 125-35  | 40  |
| 2045 | Induction of the apoptosis-promoting protein Bak by perillyl alcohol in pancreatic ductal adenocarcinoma relative to untransformed ductal epithelial cells. <b>1997</b> , 18, 1655-8 | 49  |
| 2044 | 3,5,3'-Triiodo-L-thyronine potentiates all-trans-retinoic acid-induced apoptosis during differentiation of the promyeloleukemic cell HL-60. <b>1997</b> , 138, 805-9                 | 8   |
| 2043 | Interferon-gamma modulates a p53-independent apoptotic pathway and apoptosis-related gene expression. <b>1997</b> , 272, 16351-7   | 214 |
| 2042 | Scott syndrome: an inherited defect of the procoagulant activity of platelets. <b>1997</b> , 8, 117-24   | 32  |
| 2041 | Nitric oxide inhibits apoptosis by preventing increases in caspase-3-like activity via two distinct mechanisms. <b>1997</b> , 272, 31138-48  | 718 |
| 2040 | Mutations resulting in transient and localized degeneration in the developing zebrafish brain. <b>1997</b> , 75, 579-600   | 17  |
| 2039 | Helicobacter pylori cagA+ strains and dissociation of gastric epithelial cell proliferation from apoptosis. <b>1997</b> , 89, 863-8  | 288 |
| 2038 | The topological inventions of life: From the specialization of multicellular colonies to the functioning of the vertebrate brain. <b>1997</b> , 50, 617-631                          | 2   |
| 2037 | Disturbed Cell Arrangement, Increased Cell Membrane Permeability and Apoptotic Cell Death Occur in Adenomyotic Uterine Tissues in Mice. <b>1997</b> , 14, 659-664                    | 7   |
| 2036 | Apoptosis in neural development and disease. <b>1997</b> , 77, F165-70   | 41  |
| 2035 | Aging and regulation of apoptosis. <b>1997</b> , 35, 107-21  | 56  |
| 2034 | Control of apoptosis in breast epithelium. <b>1997</b> , 4, 45-53  | 5   |
| 2033 | Fas (APO-1, CD95)-mediated apoptosis in thyroid cells is regulated by a labile protein inhibitor. <b>1997</b> , 138, 5019-27   | 69  |
| 2032 | Fertility and incidence of KRAS2 mutations in borderline ovarian adenocarcinomas. <b>1997</b> , 89, 890-1  |     |
| 2031 | Activated phosphatidylinositol 3-kinase and Akt kinase promote survival of superior cervical neurons. <b>1997</b> , 139, 809-15  | 232 |
| 2030 | Apoptosis in haematological malignancies. <b>1997</b> , 50, 361-4  | 2   |
| 2029 | Apoptotic cell death in mouse models of GM2 gangliosidosis and observations on human Tay-Sachs and Sandhoff diseases. <b>1997</b> , 6, 1879-85                                       | 134 |



|      |   |      |
|------|---|------|
| 2028 | 2-Methoxyestradiol, an endogenous estrogen metabolite, induces apoptosis in endothelial cells and inhibits angiogenesis: possible role for stress-activated protein kinase signaling pathway and Fas expression. <b>1997</b> , 51, 951-62 | 167  |
| 2027 | Significance of apoptosis in the temporal and stage-specific loss of germ cells in the adult rat after gonadotropin deprivation. <b>1997</b> , 57, 1193-201   | 124  |
| 2026 | CLARP, a death effector domain-containing protein interacts with caspase-8 and regulates apoptosis. <b>1997</b> , 94, 10717-22  | 266  |
| 2025 | Selective activation of caspases during apoptotic induction in HL-60 cells. Effects Of a tetrapeptide inhibitor. <b>1997</b> , 272, 7013-21   | 109  |
| 2024 | Bik and Bak induce apoptosis downstream of CrmA but upstream of inhibitor of apoptosis. <b>1997</b> , 272, 8841-4   | 61   |
| 2023 | Cleavage of PITSLRE kinases by ICE/CASP-1 and CPP32/CASP-3 during apoptosis induced by tumor necrosis factor. <b>1997</b> , 272, 11694-7  | 115  |
| 2022 | A combinatorial approach defines specificities of members of the caspase family and granzyme B. Functional relationships established for key mediators of apoptosis. <b>1997</b> , 272, 17907-11  | 1675 |
| 2021 | Identification and molecular cloning of two novel receptors for the cytotoxic ligand TRAIL. <b>1997</b> , 272, 25417-20   | 428  |
| 2020 | c-Jun NH2-terminal kinase-mediated activation of interleukin-1beta converting enzyme/CED-3-like protease during anticancer drug-induced apoptosis. <b>1997</b> , 272, 4631-6  | 156  |
| 2019 | Identification of the MDM2 oncoprotein as a substrate for CPP32-like apoptotic proteases. <b>1997</b> , 272, 15049-52   | 81   |
| 2018 | Caspase cleavage of keratin 18 and reorganization of intermediate filaments during epithelial cell apoptosis. <b>1997</b> , 138, 1379-94  | 535  |
| 2017 | Antiapoptotic signalling by the insulin-like growth factor I receptor, phosphatidylinositol 3-kinase, and Akt. <b>1997</b> , 17, 1595-606   | 933  |
| 2016 | Structure and function of plasminogen activator inhibitor-2. <b>1997</b> , 11, 557  | 2    |
| 2015 | Differential cellular zinc levels in metastatic and primary nasopharyngeal carcinoma. <b>1997</b> , 11, 745-8   | 2    |
| 2014 | Intracellular acidification is associated with, but not required for caspase activation, DNA fragmentation or apoptosis. <b>1997</b> , 11, 1241-6   |      |
| 2013 | Activated endothelial cells induce apoptosis in lymphoma cells. <b>1997</b> , 10, 465-71  | 4    |
| 2012 | The significance and potential molecular mechanisms of gastrointestinal barrier homeostasis. <b>1997</b> , 32, 1073-82  | 9    |
| 2011 | Inoculation of VacA- and CagA- Helicobacter pylori delays gastric ulcer healing in the rat. <b>1997</b> , 32, 439-44  | 19   |

|      |   |      |
|------|---|------|
| 2010 | Caspases: the executioners of apoptosis. <b>1997</b> , 326 ( Pt 1), 1-16  | 3905 |
| 2009 | Apoptosis and the immune system. <b>1997</b> , 53, 591-603  | 55   |
| 2008 | Apoptosis and cytotoxins. <b>1997</b> , 53, 632-43  | 13   |
| 2007 | Activation of the STAT signaling pathway can cause expression of caspase 1 and apoptosis. <b>1997</b> , 17, 5328-37   | 431  |
| 2006 | Bcl-2 undergoes phosphorylation by c-Jun N-terminal kinase/stress-activated protein kinases in the presence of the constitutively active GTP-binding protein Rac1. <b>1997</b> , 272, 25238-42            | 327  |
| 2005 | Isolation and characterization of the cDNA encoding bovine poly(ADP-ribose) glycohydrolase. <b>1997</b> , 272, 11895-901  | 157  |
| 2004 | Generation of anti-apoptotic presenilin-2 polypeptides by alternative transcription, proteolysis, and caspase-3 cleavage. <b>1997</b> , 272, 28315-20   | 87   |
| 2003 | Dimerization properties of human BAD. Identification of a BH-3 domain and analysis of its binding to mutant BCL-2 and BCL-XL proteins. <b>1997</b> , 272, 30866-72  | 112  |
| 2002 | Distinctive functions of Syk and Lyn in mediating osmotic stress- and ultraviolet C irradiation-induced apoptosis in chicken B cells. <b>1997</b> , 272, 17994-9  | 59   |
| 2001 | The control of cell death in the early chick embryo wing bud. <b>1997</b> , 76, 105-10  | 2    |
| 2000 | Crystal structure of rat Bcl-xL. Implications for the function of the Bcl-2 protein family. <b>1997</b> , 272, 27886-92   | 97   |
| 1999 | Cell-specific induction of apoptosis by microinjection of cytochrome c. Bcl-xL has activity independent of cytochrome c release. <b>1997</b> , 272, 30299-305   | 283  |
| 1998 | The central executioner of apoptosis: multiple connections between protease activation and mitochondria in Fas/APO-1/CD95- and ceramide-induced apoptosis. <b>1997</b> , 186, 25-37                       | 584  |
| 1997 | Activation of c-Jun N-terminal kinase antagonizes an anti-apoptotic action of Bcl-2. <b>1997</b> , 272, 16725-8   | 96   |
| 1996 | The PI 3-kinase/Akt signaling pathway delivers an anti-apoptotic signal. <b>1997</b> , 11, 701-13   | 874  |
| 1995 | Adenovirus-mediated expression of Fas ligand induces hepatic apoptosis after Systemic administration and apoptosis of ex vivo-infected pancreatic islet allografts and isografts. <b>1997</b> , 8, 955-63 | 74   |
| 1994 | The pathways of cell death: oncosis, apoptosis, and necrosis. <b>1997</b> , 25, 82-8  | 312  |
| 1993 | Glucocorticoid-induced apoptosis. <b>1997</b> , 41, 247-70  | 13   |

|      |  |     |
|------|--|-----|
| 1992 | Activation of CPP32-like proteases is not sufficient to trigger apoptosis: inhibition of apoptosis by agents that suppress activation of AP24, but not CPP32-like activity. <b>1997</b> , 186, 1107-17 | 76  |
| 1991 | Nitric oxide inhibits Fas-induced apoptosis. <b>1997</b> , 272, 24125-8  | 248 |
| 1990 | Baseline apoptosis of tumor cells as a response predictor to chemotherapy. <b>1997</b> , 89, 889-90  | 8   |
| 1989 | Harnessing the power of antisense technology for combination chemotherapy. <b>1997</b> , 89, 107-8   | 4   |
| 1988 | Smooth muscle apoptosis during vascular regression in spontaneously hypertensive rats. <b>1997</b> , 29, 340-9   | 142 |
| 1987 | Induction of heat shock protein 70 protects thymocytes against radiation-induced apoptosis. <b>1997</b> , 132, 1277-82   | 46  |
| 1986 | Molecular pathways in low grade B-cell lymphoma. <b>1997</b> , 26 Suppl 1, 107-13  | 10  |
| 1985 | Wild-type p53 triggers a rapid senescence program in human tumor cells lacking functional p53. <b>1997</b> , 94, 9648-53   | 252 |
| 1984 | Baculovirus inhibitors of apoptosis (IAPs) block activation of Sf-caspase-1. <b>1997</b> , 94, 13606-11  | 141 |
| 1983 | Neuronal and glial apoptosis after traumatic spinal cord injury. <b>1997</b> , 17, 5395-406  | 757 |
| 1982 | Induction of apoptosis after expression of PYK2, a tyrosine kinase structurally related to focal adhesion kinase. <b>1997</b> , 139, 529-39  | 146 |
| 1981 | Effects of all-trans-retinoic acid (ATRA) and retinoic acid receptor (RAR) expression on secretion, growth, and apoptosis of insulin-secreting RINm5F cells. <b>1997</b> , 15, 122-31                  | 15  |
| 1980 | What does cell death have to do with aging?. <b>1997</b> , 45, 1140-6  | 88  |
| 1979 | A functional role for death proteases in s-Myc- and c-Myc-mediated apoptosis. <b>1997</b> , 17, 6736-45  | 63  |
| 1978 | Doom, a product of the <i>Drosophila</i> mod(mdg4) gene, induces apoptosis and binds to baculovirus inhibitor-of-apoptosis proteins. <b>1997</b> , 17, 2835-43   | 85  |
| 1977 | Current concepts of apoptosis. <b>1997</b> , 3, e6   |     |
| 1976 | Scrapie-induced neuron loss is reduced by treatment with basic fibroblast growth factor. <b>1997</b> , 8, 2405-9   | 11  |
| 1975 | ch-IAP1, a member of the inhibitor-of-apoptosis protein family, is a mediator of the antiapoptotic activity of the v-Rel oncoprotein. <b>1997</b> , 17, 7328-41  | 163 |

1974 Will Tolerance Become a Clinical Reality?. **1997**, 313, 310-314

1973 The Bcl-2/Bax ratio of lymphocytes from human systemic lupus erythematosus patients. **1997**, 7, 305-313

1972 Specific inhibition of lymphocyte proliferation and induction of apoptosis by CLL-I, a beta-galactoside-binding lectin. **1997**, 122, 365-73 48

1971 Macrophage apoptosis in microbial infections. **1997**, 115 Suppl, S79-87 35

1970 Apoptosis in aorta of deoxycorticosterone acetate-salt hypertensive rats: effect of endothelin receptor antagonism. **1997**, 15, 1441-8 56

1969 Regulation of apoptosis through CD95 (APO-1/Fas) receptor-ligand interaction. **1997**, 25, 405-10 23

1968 Activation of pro-caspase-7 by serine proteases includes a non-canonical specificity. **1997**, 324 ( Pt 2), 361-4 125

1967 p53 alterations are predictive of chemoresistance and aggressiveness in ovarian carcinomas: a molecular and immunohistochemical study. **1997**, 75, 230-5 126

1966 pH-dependent DNA cleavage in permeabilized human fibroblasts. **1997**, 323 ( Pt 2), 337-41 38

1965 Bcl-xL overexpression attenuates glutathione depletion in FL5.12 cells following interleukin-3 withdrawal. **1997**, 325 ( Pt 2), 315-9 89

1964 Granulocyte-macrophage colony-stimulating factor receptor-targeted therapy of chemotherapy- and radiation-resistant human myeloid leukemias. **1997**, 25, 247-56 12

1963 Ceramide: a novel lipid mediator of apoptosis. **1997**, 41, 133-54 46

1962 Serum levels of soluble Fas/APO-1 (CD95) and its molecular structure in patients with systemic lupus erythematosus (SLE) and other autoimmune diseases. **1997**, 107, 89-95 79

1961 Apoptosis of enterocytes induced by inoculation of a strain of attaching and effacing Escherichia coli and verotoxin. **1997**, 59, 815-8 12

1960 An adaptationist view of apoptosis. **1997**, 72, 135-47 26

1959 SARPs: a family of secreted apoptosis-related proteins. **1997**, 94, 13636-41 283

1958 Apoptin induces apoptosis in human transformed and malignant cells but not in normal cells. **1997**, 94, 5843-7 192

1957 Channel formation by antiapoptotic protein Bcl-2. **1997**, 94, 5113-8 566

|      |   |     |
|------|---|-----|
| 1956 | Induction of Apoptosis in Human Leukaemia Cells is Differentially Regulated by Vitamin D Derivatives and Retinoids. <b>1997</b> , 2, 289-301  | 3   |
| 1955 | Transcriptional repression of p53 promoter by hepatitis C virus core protein. <b>1997</b> , 272, 10983-6  | 206 |
| 1954 | Interleukin 3-dependent survival by the Akt protein kinase. <b>1997</b> , 94, 11345-50  | 329 |
| 1953 | Molecular mechanisms of defective eosinophil apoptosis in diseases associated with eosinophilia. <b>1997</b> , 113, 206-8   | 18  |
| 1952 | Targeted tumor cytotoxicity mediated by intracellular single-chain anti-oncogene antibodies. <b>1997</b> , 40, 51-84  | 3   |
| 1951 | Genetics of apoptosis. <b>1997</b> , 41, 35-56  | 5   |
| 1950 | The role of the IGF-I receptor in apoptosis. <b>1997</b> , 53, 65-98  | 54  |
| 1949 | Elevated frequency of p53-independent apoptosis after irradiation increases levels of DNA breaks in ataxia telangiectasia lymphoblasts. <b>1997</b> , 72, 257-69  | 18  |
| 1948 | Bcl-2 modulates telomerase activity. <b>1997</b> , 272, 14183-7   | 116 |
| 1947 | Low level expression of basic FGF upregulates Bcl-2 and delays apoptosis, but high intracellular levels are required to induce transformation in NIH 3T3 cells. <b>1997</b> , 15, 41-60   | 32  |
| 1946 | Puraquinonic Acid, a Novel Inducer of Differentiation of Human HL-60 Promyelocytic Leukemia Cells from Mycena pura (Pers. Ex Fr.). <b>1997</b> , 9, 229-236   | 16  |
| 1945 | The CrmA- and TPCK-sensitive pathways that trigger oligonucleosome-sized DNA fragmentation in camptothecin-induced apoptosis: relation to caspase activation and high molecular weight DNA fragmentation. <b>1997</b> , 75, 359-368 | 7   |
| 1944 | The Bcl-xL and Bax-a control points: modulation of apoptosis induced by cancer chemotherapy and relation to TPCK-sensitive protease and caspase activation. <b>1997</b> , 75, 301-314   | 31  |
| 1943 | Increase in TUNEL positive cells in aorta from diabetic rats. <b>1997</b> , 5, 241-50   | 10  |
| 1942 | Bcl-2 family proteins: strategies for overcoming chemoresistance in cancer. <b>1997</b> , 41, 501-32  | 95  |
| 1941 | Disruption of brain cell ion homeostasis in Alzheimer's disease by oxy radicals, and signaling pathways that protect therefrom. <b>1997</b> , 10, 507-17  | 43  |
| 1940 | Promise and problems of Bcl-2 antisense therapy. <b>1997</b> , 89, 988-90   | 51  |
| 1939 | Synergistic induction of DNA strand breakage caused by nitric oxide together with catecholamine: implications for neurodegenerative disease. <b>1997</b> , 10, 1015-22  | 31  |

|      |  |     |
|------|--|-----|
| 1938 | Apoptosis in the Rat Penis After Penile Denervation. <b>1997</b> , 158, 626-630  | 167 |
| 1937 | New approaches to the integrated management of early lung cancer. <b>1997</b> , 11, 235-52   | 8   |
| 1936 | Asbestos and Silica-Induced Changes in Human Alveolar Macrophage Phenotype. <b>1997</b> , 105, 1139  | 10  |
| 1935 | Crocidolite Asbestos Induces Apoptosis of Pleural Mesothelial Cells: Role of Reactive Oxygen Species and Poly(ADP-Ribosyl) Polymerase. <b>1997</b> , 105, 1147   | 6   |
| 1934 | Acute testicular ischemia results in germ cell-specific apoptosis in the rat. <b>1997</b> , 57, 1267-74  | 224 |
| 1933 | Apoptosis: clinical relevance and pharmacological manipulation. <b>1997</b> , 54, 511-32   | 70  |
| 1932 | Epothilones: novel microtubule-stabilising agents. <b>1997</b> , 6, 867-73   | 24  |
| 1931 | Inhibition of thymocyte apoptosis by berberine. <b>1997</b> , 53, 1315-22  | 38  |
| 1930 | Apoptotic cell death in atherosclerotic plaques of hyperlipidemic knockout mice. <b>1997</b> , 135, 235-9  | 19  |
| 1929 | The role of Fas/APO 1 and apoptosis in the development of human atherosclerotic lesions. <b>1997</b> , 131, 177-86   | 123 |
| 1928 | Thymosin alpha 1 antagonizes dexamethasone and CD3-induced apoptosis of CD4+ CD8+ thymocytes through the activation of cAMP and protein kinase C dependent second messenger pathways. <b>1997</b> , 94, 85-101 | 43  |
| 1927 | Molecular aspects of neuro-oncology. <b>1997</b> , 99, 184-95  | 11  |
| 1926 | Stress-induced apoptosis and the sphingomyelin pathway. <b>1997</b> , 53, 615-21   | 211 |
| 1925 | Induction of mitochondrial dysfunction and apoptosis in HeLa cells by bis-pyridinium oximes, a newly synthesized family of lipophilic biscations. <b>1997</b> , 53, 1543-52                                    | 15  |
| 1924 | Tumor necrosis factor-induced apoptosis during the poisoning of mice with hepatotoxins. <b>1997</b> , 112, 923-34  | 167 |
| 1923 | Methods in Bone Biology. <b>1997</b> ,   | 3   |
| 1922 | Induction of acute gastritis and epithelial apoptosis by Helicobacter pylori lipopolysaccharide. <b>1997</b> , 32, 203-11  | 87  |
| 1921 | The Baculoviruses. <b>1997</b> ,   | 78  |

|      |   |      |     |
|------|---|------|-----|
| 1920 | Regulation of ovarian follicle atresia. <b>1997</b> , 59, 349-63  |      | 347 |
| 1919 | DCP-1, a Drosophila cell death protease essential for development. <i>Science</i> , <b>1997</b> , 275, 536-40   | 33-3 | 265 |
| 1918 | Interaction of CED-4 with CED-3 and CED-9: a molecular framework for cell death. <i>Science</i> , <b>1997</b> , 275, 1122-6                               | 33-3 | 577 |
| 1917 | Alternative cleavage of Alzheimer-associated presenilins during apoptosis by a caspase-3 family protease. <i>Science</i> , <b>1997</b> , 277, 373-6       | 33-3 | 335 |
| 1916 | Requirement of NF-kappaB activation to suppress p53-independent apoptosis induced by oncogenic Ras. <i>Science</i> , <b>1997</b> , 278, 1812-5            | 33-3 | 494 |
| 1915 | Apoptosis. <b>1997</b> , 78, 245-9; quiz 249-50   |      | 53  |
| 1914 | p53-dependent induction of apoptosis by proteasome inhibitors. <b>1997</b> , 272, 12893-6   |      | 353 |
| 1913 | Specific cleavage of the large subunit of replication factor C in apoptosis is mediated by CPP32-like protease. <b>1997</b> , 233, 343-8                  |      | 17  |
| 1912 | Apoptosis in gastric epithelial cells is induced by Helicobacter pylori and accompanied by increased expression of BAK. <b>1997</b> , 239, 626-32         |      | 93  |
| 1911 | Fas/Fas ligand interaction regulates cytotoxicity of CD4+ T cells against staphylococcal enterotoxin B-pulsed endothelial cells. <b>1997</b> , 239, 782-8 |      | 6   |
| 1910 | Apoptosis in sea urchin embryos. <b>1997</b> , 240, 359-66  |      | 23  |
| 1909 | Interaction of phagocytes with apoptotic cells leads to production of pro-inflammatory cytokines. <b>1997</b> , 239, 799-803                              |      | 47  |
| 1908 | Molecular cloning and characterization of the mouse apoptosis signal-regulating kinase 1. <b>1997</b> , 239, 905-10                                       |      | 63  |
| 1907 | c-Jun/AP-1, but not NF-kappa B, is a mediator for oxidant-initiated apoptosis in glomerular mesangial cells. <b>1997</b> , 240, 496-501                   |      | 81  |
| 1906 | Bcl-xL overexpression restricts heat-induced apoptosis and influences hsp70, bcl-2, and Bax protein levels in FL5.12 cells. <b>1997</b> , 241, 164-8      |      | 28  |
| 1905 | Dominant suppression of lymphocyte apoptosis by hepatoma cells. <b>1997</b> , 230, 121-32   |      | 9   |
| 1904 | Bcl-X(L) expression and its downregulation by a novel retinoid in breast carcinoma cells. <b>1997</b> , 232, 17-24  |      | 29  |
| 1903 | Expression and localization of the retinoblastoma gene during radiation-induced apoptosis in neonatal rat kidney. <b>1997</b> , 235, 354-61               |      | 2   |

|      |   |     |
|------|---|-----|
| 1902 | Caspase-mediated apoptosis in AK-5 tumor cells: a cell-free study using peptide inhibitors and antisense strategy. <b>1997</b> , 236, 371-7   | 8   |
| 1901 | Soluble integrin ligands and growth factors independently rescue neuroblastoma cells from apoptosis under nonadherent conditions. <b>1997</b> , 237, 326-37                             | 45  |
| 1900 | Apoptosis in proliferative vitreoretinal disorders: possible involvement of TGF-beta-induced RPE cell apoptosis. <b>1997</b> , 65, 365-78   | 48  |
| 1899 | Mechanisms of dopamine-induced cell death in cultured rat forebrain neurons: interactions with and differences from glutamate-induced cell death. <b>1997</b> , 143, 269-81             | 85  |
| 1898 | Tirilazad mesylate increases dopaminergic neuronal survival in the in Oculo grafting model. <b>1997</b> , 148, 324-33   | 37  |
| 1897 | Three-dimensional structures of proteins involved in programmed cell death. <b>1997</b> , 274, 291-302  | 56  |
| 1896 | Apoptosis occurs in endothelial cells during hypertension-induced microvascular rarefaction. <b>1997</b> , 118, 63-72   | 81  |
| 1895 | Mechanism of intestinal mucosal immune dysfunction following trauma-hemorrhage: increased apoptosis associated with elevated Fas expression in Peyer's patches. <b>1997</b> , 70, 55-60 | 57  |
| 1894 | Insulin-like growth factors regulate neuronal differentiation and survival. <b>1997</b> , 4, 201-14   | 169 |
| 1893 | Zinc metabolism in the brain: relevance to human neurodegenerative disorders. <b>1997</b> , 4, 137-69   | 479 |
| 1892 | Portrait of an executioner: the molecular mechanism of FAS/APO-1-induced apoptosis. <b>1997</b> , 9, 69-76  | 87  |
| 1891 | Functional cloning of genes involved in T-cell receptor-induced programmed cell death. <b>1997</b> , 9, 17-23   | 27  |
| 1890 | Antioxidant defense of the brain: a role for astrocytes. <b>1997</b> , 75, 1149-1163  | 323 |
| 1889 | Hormonal regulation of apoptosis an ovarian perspective. <b>1997</b> , 8, 207-13  | 41  |
| 1888 | Turn to the worm!. <b>1997</b> , 7, 410-5   | 32  |
| 1887 | Apoptosis during wound healing, fibrocontractive diseases and vascular wall injury. <b>1997</b> , 29, 19-30   | 139 |
| 1886 | Separation of germ cell apoptosis from toxin-induced cell death by necrosis using in situ end-labeling histochemistry after glutaraldehyde fixation. <b>1997</b> , 29, 487-93           | 18  |
| 1885 | Class I MHC mediates programmed cell death in a Fas-independent manner. <b>1997</b> , 29, 1101  | 3   |



|      |  |      |
|------|--|------|
| 1884 | Apoptosis in bronchiolitis obliterans, chronic rejection and infection after lung transplantation in rats. <b>1997</b> , 29, 1532-5                                | 9    |
| 1883 | Role of apoptosis in spontaneous regression of peripheral T-cell lymphoma arising in the skin or subcutis. <b>1997</b> , 28, 472-7                                 | 7    |
| 1882 | Early apoptosis in human myocardial infarcts. <b>1997</b> , 28, 485-92   | 120  |
| 1881 | Caspases: intracellular signaling by proteolysis. <b>1997</b> , 91, 443-6  | 1921 |
| 1880 | Ceramide induces apoptosis in PC12 cells. <b>1997</b> , 401, 148-52  | 84   |
| 1879 | Sphingosine induces apoptosis in androgen-independent human prostatic carcinoma DU-145 cells by suppression of bcl-X(L) gene expression. <b>1997</b> , 407, 97-100 | 43   |
| 1878 | Cell death induction by receptors of the TNF family: towards a molecular understanding. <b>1997</b> , 410, 96-106  | 184  |
| 1877 | Bcl-2 antagonizes apoptotic cell death induced by two new ceramide analogues. <b>1997</b> , 411, 260-4   | 28   |
| 1876 | The promyelocytic leukemia protein PML has a pro-apoptotic activity mediated through its RING domain. <b>1997</b> , 418, 30-4                                      | 67   |
| 1875 | Amphetamine induces hydroxyl radical formation in the striatum of rats. <b>1997</b> , 61, 2219-29  | 44   |
| 1874 | Prostaglandin E1 prevents apoptotic cell death in superficial dorsal horn of rat spinal cord. <b>1997</b> , 36, 1023-30  | 49   |
| 1873 | Intracellular antibodies (intrabodies) for gene therapy of infectious diseases. <b>1997</b> , 51, 257-83   | 104  |
| 1872 | Apoptose : de la biologie moléculaire aux perspectives thérapeutiques. <b>1997</b> , 6, 689-694  |      |
| 1871 | Spontaneous overexpression of the long form of the Bcl-X protein in a highly resistant P388 leukaemia. <b>1997</b> , 75, 268-74                                    | 26   |
| 1870 | Nitric oxide-mediated apoptosis of K-1735 melanoma cells is associated with downregulation of Bcl-2. <b>1997</b> , 15, 771-9                                       | 71   |
| 1869 | Apoptosis in liver disease. <b>1997</b> , 27, 405-12   | 90   |
| 1868 | Use of cloned genetically modified human fibroblasts to assess long-term survival in vivo. <b>1997</b> , 8, 523-32   | 9    |
| 1867 | Nonsteroidal anti-inflammatory drugs and colorectal cancer: evolving concepts of their chemopreventive actions. <b>1997</b> , 113, 1992-8                          | 139  |

|      |   |     |
|------|---|-----|
| 1866 | The apoptotic death of neuroblastoma cells caused by serum from patients with insulin-dependent diabetes and neuropathy may be Fas-mediated. <b>1997</b> , 76, 153-60                       | 35  |
| 1865 | Reduced glutathione prevents nitric oxide-induced apoptosis in vascular smooth muscle cells. <b>1997</b> , 1359, 143-52   | 44  |
| 1864 | Global cerebral ischemia activates nuclear factor-kappa B prior to evidence of DNA fragmentation. <b>1997</b> , 48, 187-96  | 111 |
| 1863 | Apoptosis and cutaneous biology. <b>1997</b> , 36, 885-96; quiz 897-8   | 48  |
| 1862 | Suppression of apoptosis by overexpression of Bcl-2 or Bcl-xL promotes survival and mutagenesis after oxidative damage. <b>1997</b> , 79, 613-7   | 48  |
| 1861 | The brain as a symbol-processing machine. <b>1997</b> , 53, 121-98  | 14  |
| 1860 | Frequent expression of Fas in gonadotropin-releasing hormone receptor-bearing tumors. <b>1997</b> , 74, 73-8  | 22  |
| 1859 | Apoptosis and metastasis: increased apoptosis resistance of metastatic cancer cells is associated with the profound deficiency of apoptosis execution mechanisms. <b>1997</b> , 115, 185-93 | 122 |
| 1858 | Lack of effect of Presenilin 1, $\Delta$ APP and their Alzheimer's disease-related mutated forms on <i>Xenopus</i> oocytes membrane currents. <b>1997</b> , 221, 85-88                      | 5   |
| 1857 | Increased expression of cyclin-dependent kinase 5 in induced apoptotic neuron death in rat substantia nigra. <b>1997</b> , 230, 41-4  | 48  |
| 1856 | Phosphorylation of retinoblastoma protein at apoptotic cell death in rat neuroblastoma B50 cells. <b>1997</b> , 235, 45-8   | 4   |
| 1855 | Changes in metabolism of inorganic polyphosphate in rat tissues and human cells during development and apoptosis. <b>1997</b> , 1335, 51-60   | 57  |
| 1854 | Induction of apoptosis in vitro and in vivo by the cholinergic neurotoxin ethylcholine aziridinium. <b>1997</b> , 79, 535-42  | 13  |
| 1853 | Soluble macrophage factors trigger apoptosis in cultured hippocampal neurons. <b>1997</b> , 80, 437-48  | 61  |
| 1852 | Nerve growth factor, central nervous system apoptosis, and adrenocortical activity in aged Fischer-344/brown Norway F1 hybrid rats. <b>1997</b> , 43, 229-33                                | 9   |
| 1851 | Identification of a differential display product associated with apoptosis in chicken thymocytes. <b>1997</b> , 21, 413-24  | 1   |
| 1850 | Calcium channel blockers: association with myocardial infarction, mortality, and cancer. <b>1997</b> , 19, 1255-68; discussion 1253-4   | 5   |
| 1849 | Brief post-hypoxic-ischemic hypothermia markedly delays neonatal brain injury. <b>1997</b> , 19, 326-38   | 142 |

|      |  |     |
|------|--|-----|
| 1848 | Bok is a pro-apoptotic Bcl-2 protein with restricted expression in reproductive tissues and heterodimerizes with selective anti-apoptotic Bcl-2 family members. <b>1997</b> , 94, 12401-6                                    | 280 |
| 1847 | A Bcl-2 homolog encoded by Kaposi sarcoma-associated virus, human herpesvirus 8, inhibits apoptosis but does not heterodimerize with Bax or Bak. <b>1997</b> , 94, 690-4   | 388 |
| 1846 | Asbestos and silica-induced changes in human alveolar macrophage phenotype. <b>1997</b> , 105 Suppl 5, 1139-42   | 41  |
| 1845 | Evidence that 4-hydroxynonenal mediates oxidative stress-induced neuronal apoptosis. <b>1997</b> , 17, 5089-100  | 677 |
| 1844 | Enforced Bcl-2 expression inhibits antigen-mediated clonal elimination of peripheral B cells in an antigen dose-dependent manner and promotes receptor editing in autoreactive, immature B cells. <b>1997</b> , 186, 1513-22 | 118 |
| 1843 | A Mathematical Model of a Micrometastasis. <b>1997</b> , 1, 153-168  | 1   |
| 1842 | Molecular Interactions of Aging and Cancer. <b>1997</b> , 13, 69-77  | 4   |
| 1841 | Defining Apoptosis: Players and Systems. <b>1997</b> , 4, 219-228  | 5   |
| 1840 | Alzheimer's presenilin mutation sensitizes neural cells to apoptosis induced by trophic factor withdrawal and amyloid beta-peptide: involvement of calcium and oxyradicals. <b>1997</b> , 17, 4212-22                        | 473 |
| 1839 | Calcium channel density and hippocampal cell death with age in long-term culture. <b>1997</b> , 17, 5629-39  | 122 |
| 1838 | Variability of glutathione levels in normal breast tissue and subcutaneous fat during the menstrual cycle: an in vivo study with microdialysis technique. <b>1997</b> , 82, 1382-4   | 29  |
| 1837 | Crocidolite asbestos induces apoptosis of pleural mesothelial cells: role of reactive oxygen species and poly(ADP-ribosyl) polymerase. <b>1997</b> , 105 Suppl 5, 1147-52  | 18  |
| 1836 | Pivotal role for the NFIL3/E4BP4 transcription factor in interleukin 3-mediated survival of pro-B lymphocytes. <b>1997</b> , 94, 2609-14   | 120 |
| 1835 | Involvement of the ICE family of proteases in silica-induced apoptosis in human alveolar macrophages. <b>1997</b> , 273, L760-7  | 22  |
| 1834 | Enhanced apoptosis in metallothionein null cells. <b>1997</b> , 52, 195-201  | 162 |
| 1833 | Inhibition of reaper-induced apoptosis by interaction with inhibitor of apoptosis proteins (IAPs). <b>1997</b> , 94, 10183-8   | 191 |
| 1832 | Grb2-associated binder-1 mediates phosphatidylinositol 3-kinase activation and the promotion of cell survival by nerve growth factor. <b>1997</b> , 94, 12419-24   | 225 |
| 1831 | A common binding site mediates heterodimerization and homodimerization of Bcl-2 family members. <b>1997</b> , 272, 11350-5   | 88  |

|      |  |     |
|------|--|-----|
| 1830 | Induction of mitochondrial manganese superoxide dismutase in macrophages by oxidized LDL: its relevance in atherosclerosis of humans and heritable hyperlipidemic rabbits. <b>1997</b> , 11, 1317-28 | 93  |
| 1829 | Intestinal inflammation: a complex interplay of immune and nonimmune cell interactions. <b>1997</b> , 273, G769-75   | 94  |
| 1828 | Cellular actions of beta-amyloid precursor protein and its soluble and fibrillogenic derivatives. <b>1997</b> , 77, 1081-132   | 875 |
| 1827 | Hydrogen peroxide-induced liver cell necrosis is dependent on AP-1 activation. <b>1997</b> , 273, G795-803   | 18  |
| 1826 | Quantitative Analysis of Apoptotic Cell Death Using Proton Nuclear Magnetic Resonance Spectroscopy. <b>1997</b> , 89, 3778-3786  | 130 |
| 1825 | Involvement of Reactive Oxygen Intermediates in Spontaneous and CD95(Fas/APO-1) Mediated Apoptosis of Neutrophils. <b>1997</b> , 89, 1748-1753   | 293 |
| 1824 | Selection for Drug Resistance Results in Resistance to Fas-Mediated Apoptosis. <b>1997</b> , 89, 1854-1861   | 152 |
| 1823 | Phosphatidylserine Externalization Is a Downstream Event of Interleukin-1 Converting Enzyme Family Protease Activation During Apoptosis. <b>1997</b> , 89, 2060-2066                                 | 107 |
| 1822 | Bcl-2 and Bcl-XL Can Differentially Block Chemotherapy-Induced Cell Death. <b>1997</b> , 90, 1208-1216   | 214 |
| 1821 | A Role for T-Helper Type-1 and Type-2 Cytokines in the Regulation of Human Monocyte Apoptosis. <b>1997</b> , 90, 1618-1625   | 65  |
| 1820 | Apoptosis Resistance of Blood Cells From Patients With Paroxysmal Nocturnal Hemoglobinuria, Aplastic Anemia, and Myelodysplastic Syndrome. <b>1997</b> , 90, 2716-2722                               | 89  |
| 1819 | Cross-Resistance of CD95- and Drug-Induced Apoptosis as a Consequence of Deficient Activation of Caspases (ICE/Ced-3 Proteases). <b>1997</b> , 90, 3118-3129   | 176 |
| 1818 | Protease Activation Is Required for Glucocorticoid-Induced Apoptosis in Chronic Lymphocytic Leukemic Lymphocytes. <b>1997</b> , 90, 3673-3681  | 49  |
| 1817 | Apoptosis after stent implantation compared with balloon angioplasty in rabbits. Role of macrophages. <b>1997</b> , 17, 2383-8   | 72  |
| 1816 | Apoptosis: Molecular mechanisms, regulation and role in pathogenesis. <b>1997</b> , 8, 103-9   | 11  |
| 1815 | Current Concepts in Neuro-Oncology: The Cell Cycle-A Review. <b>1997</b> ,   |     |
| 1814 | Cell Death. <b>1997</b> , 101-104  | 1   |
| 1813 | Up-regulation of Bax protein in degenerating retinal ganglion cells precedes apoptotic cell death after optic nerve lesion in the rat. <b>1997</b> , 9, 1763-72                                      | 140 |

|      |   |     |
|------|---|-----|
| 1812 | Regression of metastatic liver tumors in rats treated with angiogenesis inhibitor TNP-470: occurrence of apoptosis and necrosis. <b>1997</b> , 88, 977-81   | 13  |
| 1811 | Ethanol Promotes Cell Death by Inhibition of the Insulin-Like Growth Factor I Receptor. <b>1997</b> , 21, 1121-1127   | 38  |
| 1810 | Chronic Alcohol Ingestion Enhances Tumor Necrosis Factor- $\alpha$ Expression and Salivary Gland Apoptosis. <b>1997</b> , 21, 1530-1533   | 34  |
| 1809 | Modulation of apoptosis by adenosine in the central nervous system: a possible role for the A3 receptor. Pathophysiological significance and therapeutic implications for neurodegenerative disorders. <b>1997</b> , 825, 11-22 | 72  |
| 1808 | Central giant cell granulomas of the jaws: phenotype and proliferation-associated markers. <b>1997</b> , 26, 159-63   | 82  |
| 1807 | Apoptosis-associated markers in oral lichen planus. <b>1997</b> , 26, 170-5   | 86  |
| 1806 | Flupirtine protects both neuronal cells and lymphocytes against induced apoptosis in vitro: implications for treatment of AIDS patients. <b>1997</b> , 4, 51-8  | 13  |
| 1805 | Induction of differentiation and apoptosis by interferon-gamma in human neuroblastoma cells in vitro as a dual and alternative early biological response. <b>1997</b> , 4, 150-8  | 9   |
| 1804 | Transient G2M arrest and subsequent release of apoptotic and mitotic cells in vanadyl(4)-prepulsed human Chang liver cells. <b>1997</b> , 4, 216-23   | 10  |
| 1803 | Susceptibility to p53 dependent apoptosis correlates with increased levels of Gas2 and Gas3 proteins. <b>1997</b> , 4, 247-53   | 15  |
| 1802 | Mitochondrial implication in apoptosis. Towards an endosymbiont hypothesis of apoptosis evolution. <b>1997</b> , 4, 443-56  | 212 |
| 1801 | Lack of 'tissue' transglutaminase protein cross-linking leads to leakage of macromolecules from dying cells: relationship to development of autoimmunity in MRLlpr/lpr mice. <b>1997</b> , 4, 463-72                            | 73  |
| 1800 | A <i>Bacillus thuringiensis</i> delta-endotoxin induces programmed cell death in mosquito larvae. <b>1997</b> , 4, 560-9  | 14  |
| 1799 | Unscheduled apoptosis during acute inflammatory lung injury. <b>1997</b> , 4, 600-7   | 51  |
| 1798 | Apoptosis in human monocytic THP.1 cells involves several distinct targets of N-tosyl-L-phenylalanyl chloromethyl ketone (TPCK). <b>1997</b> , 4, 590-9   | 25  |
| 1797 | Photodynamic therapy induces caspase-3 activation in HL-60 cells. <b>1997</b> , 4, 623-8  | 85  |
| 1796 | Induction of in vitro nuclear apoptosis activity coincides with the production of 50 kDa cytosolic protein. <b>1997</b> , 4, 617-22   | 4   |
| 1795 | Anti- and pro-apoptotic activities of baculovirus and <i>Drosophila</i> IAPs in an insect cell line. <b>1997</b> , 4, 733-44  | 41  |

|      |  |     |
|------|--|-----|
| 1794 | Integrin up-regulation as marker of neuroblastoma cell differentiation: correlation with neurite extension. <b>1997</b> , 4, 713-24  | 16  |
| 1793 | Cleavage of cytoskeletal proteins by caspases during ovarian cell death: evidence that cell-free systems do not always mimic apoptotic events in intact cells. <b>1997</b> , 4, 707-12                   | 39  |
| 1792 | Mycotoxins reveal connections between plants and animals in apoptosis and ceramide signaling. <b>1997</b> , 4, 689-98  | 78  |
| 1791 | Mechanisms of apoptotic cell death. <b>1997</b> , 11, 457-65   | 107 |
| 1790 | Inhibition of caspase proteases by CrmA enhances the resistance of human leukemic cells to multiple chemotherapeutic agents. <b>1997</b> , 11, 1665-72   | 42  |
| 1789 | Bcl-2, Bcl-XL and adenovirus protein E1B19kD are functionally equivalent in their ability to inhibit cell death. <b>1997</b> , 14, 405-14  | 231 |
| 1788 | Characterization of factor-independent variants derived from TF-1 hematopoietic progenitor cells: the role of the Raf/MAP kinase pathway in the anti-apoptotic effect of GM-CSF. <b>1997</b> , 14, 721-8 | 19  |
| 1787 | Inhibition of apoptosis by normal and aberrant Fli-1 and erg proteins involved in human solid tumors and leukemias. <b>1997</b> , 14, 1259-68  | 98  |
| 1786 | Bcl-2 and Hsp27 act at different levels to suppress programmed cell death. <b>1997</b> , 15, 347-60  | 90  |
| 1785 | The transcriptional repressor ICER and cAMP-induced programmed cell death. <b>1997</b> , 15, 827-36  | 44  |
| 1784 | v-Rel prevents apoptosis in transformed lymphoid cells and blocks TNFalpha-induced cell death. <b>1997</b> , 15, 971-80  | 25  |
| 1783 | Baculovirus p35 and Z-VAD-fmk inhibit thapsigargin-induced apoptosis of breast cancer cells. <b>1997</b> , 15, 1207-12   | 38  |
| 1782 | Oncogenic transformation potentiates apoptosis, S-phase arrest and stress-kinase activation by etoposide. <b>1997</b> , 15, 1643-51  | 55  |
| 1781 | Bak can accelerate chemotherapy-induced cell death independently of its heterodimerization with Bcl-XL and Bcl-2. <b>1997</b> , 15, 1871-5   | 48  |
| 1780 | Bcl-2 inhibits c-fos induction by calcium. <b>1997</b> , 15, 2849-53   | 15  |
| 1779 | Attenuation of transient focal cerebral ischemic injury in transgenic mice expressing a mutant ICE inhibitory protein. <b>1997</b> , 17, 370-5   | 219 |
| 1778 | The regulation of mitogenesis and apoptosis in response to the persistent stimulation of alpha1-adrenoceptors: a possible role of 15-lipoxygenase. <b>1997</b> , 122, 1516-22                            | 13  |
| 1777 | The inhibition of pro-apoptotic ICE-like proteases enhances HIV replication. <b>1997</b> , 3, 333-7  | 76  |

|      |   |      |
|------|---|------|
| 1776 | The proto-oncogene Bcl-2 and its role in regulating apoptosis. <b>1997</b> , 3, 614-20  | 1602 |
| 1775 | A novel anti-apoptosis gene, survivin, expressed in cancer and lymphoma. <b>1997</b> , 3, 917-21  | 2689 |
| 1774 | Interleukin-15 protects from lethal apoptosis in vivo. <b>1997</b> , 3, 1124-8  | 278  |
| 1773 | Interaction between the <i>C. elegans</i> cell-death regulators CED-9 and CED-4. <b>1997</b> , 385, 653-6   | 274  |
| 1772 | Suppression of signalling through transcription factor NF-AT by interactions between calcineurin and Bcl-2. <b>1997</b> , 386, 728-31   | 347  |
| 1771 | Agonistic anti-Fas antibodies induce glomerular cell apoptosis in mice in vivo. <b>1997</b> , 51, 1739-46   | 36   |
| 1770 | HIV and the Nervous System - Part II. <b>1997</b> , 7, 1303-1305  | 78   |
| 1769 | The IGF-I receptor in cell growth, transformation and apoptosis. <b>1997</b> , 1332, F105-26  | 166  |
| 1768 | The role of the <i>bcl-2/ced-9</i> gene family in cancer and general implications of defects in cell death control for tumourigenesis and resistance to chemotherapy. <b>1997</b> , 1333, F151-78 | 62   |
| 1767 | Apoptosis, cancer and cancer therapy. <b>1997</b> , 6, 133-42   | 193  |
| 1766 | <i>Caenorhabditis elegans</i> CED-4 stimulates CED-3 processing and CED-3-induced apoptosis. <b>1997</b> , 7, 455-60  | 154  |
| 1765 | Regulation of apoptosis by BH3 domains in a cell-free system. <b>1997</b> , 7, 913-20   | 157  |
| 1764 | Caspases: killer proteases. <b>1997</b> , 22, 299-306   | 2022 |
| 1763 | Ordering the multiple pathways of apoptosis. <b>1997</b> , 7, 294-301   | 14   |
| 1762 | Investigating retinitis pigmentosa: a laboratory scientist's perspective. <b>1997</b> , 16, 353-373   | 21   |
| 1761 | Mechanisms of neuronal cell injury/death and targets for drug intervention. <b>1997</b> , 2, 219-228  | 23   |
| 1760 | Apoptotic cell death induced by inhibitors of energy conservation--Bcl-2 inhibits apoptosis downstream of a fall of ATP level. <b>1997</b> , 250, 467-75  | 41   |
| 1759 | The use of Apostain in identifying early apoptosis. <b>1997</b> , 205, 95-101   | 23   |

|      |  |     |
|------|--|-----|
| 1758 | Control of pupal fat body disappearance in the female black blow fly, <i>Phormia regina</i> (Meigen) by the brain and the corpus allatum. <b>1997</b> , 43, 533-540                    | 2   |
| 1757 | Cell death/apoptosis: normal, chemically induced, and teratogenic effect. <b>1997</b> , 396, 149-61  | 43  |
| 1756 | Demonstration of in-situ apoptosis in mouse liver and kidney after short-term repeated exposure to fumonisin B1. <b>1997</b> , 117, 371-81   | 67  |
| 1755 | Placental apoptosis in normal human pregnancy. <b>1997</b> , 177, 57-65  | 344 |
| 1754 | Dexamethasone prevents apoptosis in a neonatal rat model of hypoxic-ischemic encephalopathy (HIE) by a reactive oxygen species-independent mechanism. <b>1997</b> , 747, 9-17          | 32  |
| 1753 | Polyamines prevent apoptotic cell death in cultured cerebellar granule neurons. <b>1997</b> , 753, 251-9   | 57  |
| 1752 | Norepinephrine transmitter metabolite induces apoptosis in differentiated rat pheochromocytoma cells. <b>1997</b> , 760, 290-3   | 18  |
| 1751 | Evidence of apoptosis in primary neuronal cultures after heat shock. <b>1997</b> , 764, 205-13   | 38  |
| 1750 | Apoptosis and protein expression after focal cerebral ischemia in rat. <b>1997</b> , 765, 301-12   | 144 |
| 1749 | Apoptosis and necrosis in toxicology: a continuum or distinct modes of cell death?. <b>1997</b> , 75, 153-77   | 145 |
| 1748 | Active efflux by multidrug transporters as one of the strategies to evade chemotherapy and novel practical implications of yeast pleiotropic drug resistance. <b>1997</b> , 76, 219-42 | 44  |
| 1747 | Decreased IGF-I gene expression during the apoptosis of Purkinje cells in pcd mice. <b>1997</b> , 98, 164-76   | 33  |
| 1746 | Apoptosis is induced by choline deficiency in fetal brain and in PC12 cells. <b>1997</b> , 101, 9-16   | 77  |
| 1745 | Modulation of p53, WAF1/p21 and BCL-2 expression during retinoic acid-induced differentiation of NB4 promyelocytic cells. <b>1997</b> , 21, 439-47                                     | 33  |
| 1744 | Apoptosis as a parameter of cytokine treatment in myelodysplasia. <b>1997</b> , 21, 427-8  | 1   |
| 1743 | Facing death in the fly: genetic analysis of apoptosis in <i>Drosophila</i> . <b>1997</b> , 13, 222-6  | 76  |
| 1742 | Neuroblastoma and insulin-like growth factor system. New insights and clinical perspectives. <b>1997</b> , 156, 256-61   | 24  |
| 1741 | Two pathways of the nitric oxide-induced cytotoxic action. <b>1997</b> , 41, 1025-33   | 3   |



|      |  |          |
|------|--|----------|
| 1740 | Gastric mucosal apoptosis induced by ethanol: effect of antiulcer agents. <b>1997</b> , 42, 247-54   | 15       |
| 1739 | Regulation of apoptosis and cell cycle arrest by Zac1, a novel zinc finger protein expressed in the pituitary gland and the brain. <b>1997</b> , 16, 2814-25                                   | 177      |
| 1738 | Caspase activity is required for commitment to Fas-mediated apoptosis. <b>1997</b> , 16, 3805-12   | 120      |
| 1737 | TRAIL-R2: a novel apoptosis-mediating receptor for TRAIL. <b>1997</b> , 16, 5386-97  | 876      |
| 1736 | Identification of a novel regulatory domain in Bcl-X(L) and Bcl-2. <b>1997</b> , 16, 968-77  | 230      |
| 1735 | harakiri, a novel regulator of cell death, encodes a protein that activates apoptosis and interacts selectively with survival-promoting proteins Bcl-2 and Bcl-X(L). <b>1997</b> , 16, 1686-94 | 293      |
| 1734 | Induction of apoptosis by the transcription factor c-Jun. <b>1997</b> , 16, 1695-709   | 330      |
| 1733 | Multiple species of CPP32 and Mch2 are the major active caspases present in apoptotic cells. <b>1997</b> , 16, 2271-81   | 300      |
| 1732 | Role of XIAP protein, a human member of the inhibitor of apoptosis (IAP) protein family, in phytohemagglutinin-induced apoptosis of human T cell lines. <b>1997</b> , 2, 501-9                 | 10       |
| 1731 | Simultaneous in situ hybridization and TUNEL to identify cells undergoing apoptosis. <b>1997</b> , 29, 413-8   | 11       |
| 1730 | Life and death decisions: the role of the IAPs in modulating programmed cell death. <b>1997</b> , 2, 423-41  | 49       |
| 1729 | Radiation-induced apoptosis and its relationship to loss of clonogenic survival. <b>1997</b> , 2, 265-82   | 34       |
| 1728 | Morphine induces splenocyte apoptosis and enhanced mRNA expression of cathepsin-B. <b>1997</b> , 21, 609-17  | 30       |
| 1727 | Apoptosis dependent decrease of the intramembrane ion traffic in cultured mouse fibroblasts shown by conductivity dispersion. <b>1997</b> , 17, 547-56   | 11       |
| 1726 | Structure of Bcl-xL-Bak peptide complex: recognition between regulators of apoptosis. <i>Science</i> , <b>1997</b> , 275, 983-6  | 333 1263 |
| 1725 | Expression of Fas ligand and its receptor in cutaneous lupus: implication in tissue injury. <b>1997</b> , 83, 223-9  | 45       |
| 1724 | Suppression of apoptosis by gonadotropin, 17beta-estradiol, and epidermal growth factor in rainbow trout preovulatory ovarian follicles. <b>1997</b> , 105, 186-93                             | 100      |
| 1723 | Rel/NF-kappa B transcription factors and the control of apoptosis. <b>1997</b> , 8, 113-9  | 198      |

|      |   |     |
|------|---|-----|
| 1722 | Repression of bax gene expression by the HTLV-1 Tax protein: implications for suppression of apoptosis in virally infected cells. <b>1997</b> , 231, 135-40                                       | 118 |
| 1721 | Bovine herpesvirus 1-induced apoptosis occurs at the G0/G1 phase of the cell cycle. <b>1997</b> , 232, 351-8  | 20  |
| 1720 | Apoptosis of CD4+ and CD19+ cells during human immunodeficiency virus type 1 infection--correlation with clinical progression, viral load, and loss of humoral immunity. <b>1997</b> , 238, 180-8 | 55  |
| 1719 | Evidence of apoptosis in neuroblastoma at onset and relapse. An analysis of a large series of tumors. <b>1997</b> , 31, 209-15  | 9   |
| 1718 | Apoptosis: molecular mechanisms and implications for cancer chemotherapy. <b>1997</b> , 19, 119-25  | 71  |
| 1717 | Hydroxyl free radicals generated by vanadyl[IV] induce cell blebbing in mitotic human Chang liver cells. <b>1997</b> , 10, 119-22   | 19  |
| 1716 | Mitochondrial implication in accidental and programmed cell death: apoptosis and necrosis. <b>1997</b> , 29, 185-93   | 264 |
| 1715 | The Bcl-2/Bax ratio of lymphocytes from human systemic lupus erythematosus patients. <b>1997</b> , 7, 305-313   | 2   |
| 1714 | Terminal dUTP nick end labeling (TUNEL) positive cells in the different regions of the brain in normal aging and Alzheimer patients. <b>1997</b> , 8, 75-82                                       | 113 |
| 1713 | The insulin-like growth factor-I receptor and apoptosis. Implications for the aging progress. <b>1997</b> , 7, 103-5  | 33  |
| 1712 | Adding Zn <sup>2+</sup> induces DNA fragmentation and cell condensation in cultured human Chang liver cells. <b>1997</b> , 58, 135-47   | 11  |
| 1711 | The role of apoptosis in intestinal disease. <b>1997</b> , 32, 414-23   | 11  |
| 1710 | The nuclear matrix and apoptosis. <b>1997</b> , 108, 1-10   | 50  |
| 1709 | Apoptotic cell death is an important cause of neuronal injury in experimental Venezuelan equine encephalitis virus infection of mice. <b>1997</b> , 93, 349-53                                    | 57  |
| 1708 | Muscle apoptosis in humans occurs in normal and denervated muscle, but not in myotonic dystrophy, dystrophinopathies or inflammatory disease. <b>1997</b> , 1, 81-7                               | 47  |
| 1707 | Delayed neuronal death following perinatal asphyxia in rat. <b>1997</b> , 115, 105-15   | 73  |
| 1706 | Calpain: a cytosolic proteinase active at the membranes. <b>1997</b> , 156, 1-8   | 133 |
| 1705 | Apoptosis in astrocytic neoplasms. <b>1997</b> , 139, 845-50  | 21  |

|      |  |     |
|------|--|-----|
| 1704 | Induction of apoptotic cell death by direct-current treatment in human leukemic cell lines. <b>1997</b> , 123, 370-6   | 9   |
| 1703 | Apoptosis of human BEL-7402 hepatocellular carcinoma cells released by antisense H-ras DNA--in vitro and in vivo studies. <b>1997</b> , 123, 25-33                                     | 24  |
| 1702 | Butyric acid and pivaloyloxymethyl butyrate, AN-9, a novel butyric acid derivative, induce apoptosis in HL-60 cells. <b>1997</b> , 123, 152-60   | 34  |
| 1701 | Apoptosis in metastatic cancer cells. <b>1997</b> , 25, 175-86   | 24  |
| 1700 | A purine nucleoside phosphorylase (PNP) inhibitor induces apoptosis via caspase-3-like protease activity in MOLT-4 T cells. <b>1997</b> , 37, 231-44                                   | 10  |
| 1699 | Differential role for IL-2 and IL-15 in the inhibition of apoptosis in short-term activated human lymphocytes. <b>1997</b> , 45, 660-9   | 32  |
| 1698 | Increased apoptotic cells in bone marrow biopsies from patients with aplastic anaemia. <b>1997</b> , 98, 18-20   | 31  |
| 1697 | Role of the CD40 and CD95 (APO-1/Fas) antigens in the apoptosis of human B-cell malignancies. <b>1997</b> , 97, 409-17   | 95  |
| 1696 | Effects of rapamycin on apoptosis of rheumatoid synovial cells. <b>1997</b> , 108, 199-203   | 22  |
| 1695 | Physiological cell death in endocrine-dependent tissues: an ovarian perspective. <b>1997</b> , 46, 241-54  | 21  |
| 1694 | bcl-2 and p53 immunophenotypes in pre-invasive, early and advanced oesophageal squamous cancer. <b>1997</b> , 31, 430-5  | 32  |
| 1693 | p53 expression in CMV-infected cells: association with the alternative expression of the p53 transactivated genes p21/WAF1 and MDM2. <b>1997</b> , 30, 120-5                           | 13  |
| 1692 | Apoptosis in the rheumatic diseases. <b>1997</b> , 40, 1917-27   | 80  |
| 1691 | Stereoisomeric Peptide Libraries and Peptidomimetics for Designing Selective Inhibitors of the $\alpha\beta$ Integrin for a New Cancer Therapy. <b>1997</b> , 36, 1374-1389            | 368 |
| 1690 | Ataxia-telangiectasia: is ATM a sensor of oxidative damage and stress?. <b>1997</b> , 19, 911-7  | 129 |
| 1689 | Multiple sclerosis: oligodendrocytes display cell death-related molecules in situ but do not undergo apoptosis. <b>1997</b> , 42, 74-84  | 190 |
| 1688 | Stereoisomere Peptid-Bibliotheken und Peptidmimetika zum Design von selektiven Inhibitoren des $\alpha\beta$ -Integrins für eine neuartige Krebstherapie. <b>1997</b> , 109, 1440-1456 | 75  |
| 1687 | Mycobacterium bovis Bacillus Calmette Guérin infection prevents apoptosis of resting human monocytes. <b>1997</b> , 27, 2450-6   | 72  |

|      |  |     |
|------|--|-----|
| 1686 | Apoptosis after ischemia-reperfusion in human liver allografts. <b>1997</b> , 3, 407-15  | 94  |
| 1685 | Potential therapeutic intervention following hypoxic-ischemic insult. <b>1997</b> , 3, 76-84   | 2   |
| 1684 | Analysis of apoptosis in relation to tissue destruction associated with Hashimoto's autoimmune thyroiditis. <b>1997</b> , 182, 138-44  | 52  |
| 1683 | Mammalian cell death proteases: a family of highly conserved aspartate specific cysteine proteases. <b>1997</b> , 64, 33-42  | 233 |
| 1682 | Fas stimulation induces RB dephosphorylation and proteolysis that is blocked by inhibitors of the ICE protease family. <b>1997</b> , 64, 586-594   | 47  |
| 1681 | Characterization of interior cleavage of retinoblastoma protein in apoptosis. <b>1997</b> , 67, 399-408  | 46  |
| 1680 | Cell damage at the origin of antiphospholipid antibodies and their pathogenic potential in recurrent pregnancy loss. <b>1997</b> , 5, 176-180  | 1   |
| 1679 | Aliphatic propargylamines: New antiapoptotic drugs. <b>1997</b> , 42, 150-156  | 83  |
| 1678 | Apoptosis and the shape of death. <b>1997</b> , 21, 245-8  | 12  |
| 1677 | Expression of a dominant negative I kappa B-alpha modulates hypersensitivity of ataxia telangiectasia fibroblasts to streptonigrin-induced apoptosis. <b>1997</b> , 5, 265-8                 | 6   |
| 1676 | Spontaneous regression of primary intracranial germinoma. A case report. <b>1997</b> , 79, 558-63  | 24  |
| 1675 | Retinoblastoma protein expression and MIB-1 correlate with survival of patients with malignant astrocytoma. <b>1997</b> , 80, 242-9  | 46  |
| 1674 | bcl-2 over-expression delays radiation-induced apoptosis without affecting the clonogenic survival of human prostate cancer cells. <b>1997</b> , 70, 341-8                                   | 104 |
| 1673 | Rapid induction of apoptosis in human C33A cervical carcinoma cells by the synthetic retinoid 6-[3-(1-adamantyl)hydroxyphenyl]-2-naphtalene carboxylic acid (CD437). <b>1997</b> , 70, 484-7 | 50  |
| 1672 | Induction of apoptosis in human neuroblastoma cells by abrogation of integrin-mediated cell adhesion. <b>1997</b> , 70, 688-98   | 62  |
| 1671 | Radiation-induced apoptosis in human ovarian carcinoma cells growing as a monolayer and as multicell spheroids. <b>1997</b> , 72, 851-9  | 26  |
| 1670 | Intracellular Ca <sup>2+</sup> release mediates ursolic acid-induced apoptosis in human leukemic HL-60 cells. <b>1997</b> , 73, 725-8  | 73  |
| 1669 | Extension of Sp2/0 hybridoma cell viability through interleukin-6 supplementation. <b>1997</b> , 55, 439-46  | 11  |

|      |   |     |
|------|---|-----|
| 1668 | High CD40 membrane expression in AIDS-related lymphoma B cell lines is associated with the CD45RA+, CD45RO+, CD95+ phenotype and high levels of its soluble form in culture supernatants. <b>1997</b> , 30, 33-38 | 11  |
| 1667 | Inhibition of nuclear factor kappa B (NFB) activity induces nerve growth factor-resistant apoptosis in PC12 cells. <b>1997</b> , 47, 155-162  | 167 |
| 1666 | Different pathways of apoptosis revealed by 2-chloro-adenosine and deoxy-D-ribose in mammalian astroglial cells. <b>1997</b> , 47, 372-83   | 43  |
| 1665 | Activation of CPP32 during apoptosis of neurons and astrocytes. <b>1997</b> , 48, 168-80  | 126 |
| 1664 | Cell and molecular neurobiology of presenilins: a role for the endoplasmic reticulum in the pathogenesis of Alzheimer's disease?. <b>1997</b> , 50, 505-13  | 38  |
| 1663 | Fluorometric and colorimetric detection of caspase activity associated with apoptosis. <b>1997</b> , 251, 98-102  | 297 |
| 1662 | Necrosis of lung epithelial cells by filarial parasitic protein via an early induction of c-H-ras and TNF alpha expression. <b>1997</b> , 21, 273-80  | 3   |
| 1661 | Crocidolite asbestos causes an induction of p53 and apoptosis in cultured A-549 lung carcinoma cells. <b>1998</b> , 3, 203-12   | 15  |
| 1660 | Caspase inhibition prevents staurosporine-induced apoptosis in CHO-K1 cells. <b>1998</b> , 3, 27-33   | 9   |
| 1659 | Signal transduction and the regulation of apoptosis: roles of ceramide. <b>1998</b> , 3, 317-34   | 36  |
| 1658 | Cardiomyocyte Apoptosis in Experimental Health Failure. <b>1998</b> , 3, 35-43  |     |
| 1657 | Heat Shock Proteins in the Regulation of the Apoptotic Response. <b>1998</b> , 2, 47-53   | 6   |
| 1656 | Establishment and characterization of a new mammary adenocarcinoma cell line derived from MMTV neu transgenic mice. <b>1998</b> , 47, 171-80  | 19  |
| 1655 | Biochemical and molecular mechanisms regulating apoptosis. <b>1998</b> , 178, 9-25  | 37  |
| 1654 | Proteolytic cleavage of retinoblastoma protein upon DNA damage and Fas-mediated apoptosis. <b>1998</b> , 14, 133-40   | 10  |
| 1653 | Regulation of caspase activation in apoptosis: implications for transformation and drug resistance. <b>1998</b> , 27, 309-20  | 4   |
| 1652 | Increased expression of Fas ligand on Mycobacterium tuberculosis infected macrophages: a potential novel mechanism of immune evasion by Mycobacterium tuberculosis?. <b>1999</b> , 23, 507-21                     | 18  |
| 1651 | Paraquat-induced cell death in PC12 cells. <b>1998</b> , 23, 1387-94  | 26  |

|      |  |      |
|------|--|------|
| 1650 | Choline availability modulates the expression of TGFbeta1 and cytoskeletal proteins in the hippocampus of developing rat brain. <b>1998</b> , 23, 751-8                                      | 32   |
| 1649 | Expression of cell cycle-related genes during neuronal apoptosis: is there a distinct pattern?. <b>1998</b> , 23, 767-77   | 35   |
| 1648 | Heat shock stress induces cleavage and activation of PAK2 in apoptotic cells. <b>1998</b> , 17, 485-94   | 28   |
| 1647 | The mouse ERG before and after light damage is independent of p53. <b>1998</b> , 96, 311-20  | 5    |
| 1646 | Induction of buccal mucosal apoptosis with chronic alcohol ingestion. <b>1998</b> , 44, 381-9  | 2    |
| 1645 | Mitochondrial cytochrome c release in apoptosis occurs upstream of DEVD-specific caspase activation and independently of mitochondrial transmembrane depolarization. <b>1998</b> , 17, 37-49 | 973  |
| 1644 | Enforced dimerization of BAX results in its translocation, mitochondrial dysfunction and apoptosis. <b>1998</b> , 17, 3878-85  | 957  |
| 1643 | Drosophila grim induces apoptosis in mammalian cells. <b>1998</b> , 17, 7199-208   | 58   |
| 1642 | A link between cell cycle and cell death: Bax and Bcl-2 modulate Cdk2 activation during thymocyte apoptosis. <b>1998</b> , 17, 7209-18   | 141  |
| 1641 | IAPs block apoptotic events induced by caspase-8 and cytochrome c by direct inhibition of distinct caspases. <b>1998</b> , 17, 2215-23   | 1077 |
| 1640 | Mammalian thioredoxin is a direct inhibitor of apoptosis signal-regulating kinase (ASK) 1. <b>1998</b> , 17, 2596-606  | 1905 |
| 1639 | Apoptosis inhibiting factor Bcl-xL might be the crucial member of the Bcl-2 gene family in colorectal cancer. <b>1998</b> , 43, 2641-8   | 53   |
| 1638 | The mitochondrial death/life regulator in apoptosis and necrosis. <b>1998</b> , 60, 619-42   | 1695 |
| 1637 | Interaction between human interleukin-2-activated natural killer cells and heat-killed germ tube forms of <i>Candida albicans</i> . <b>1998</b> , 186, 28-38                                 | 19   |
| 1636 | Cytokine response modifier A (CrmA): a strategically deployed viral weapon. <b>1998</b> , 86, 134-40   | 23   |
| 1635 | Role of Fas/FasL interaction in physiology and pathology: the good and the bad. <b>1998</b> , 87, 1-7  | 22   |
| 1634 | A study of the immunology of the chronic fatigue syndrome: correlation of immunologic parameters to health dysfunction. <b>1998</b> , 87, 60-7   | 40   |
| 1633 | Apoptosis and thyroiditis. <b>1998</b> , 87, 207-17  | 57   |

|      |  |     |
|------|--|-----|
| 1632 | Bcl-2 family expression in salivary glands from patients with primary Sjögren's syndrome: involvement of Bax in salivary gland destruction. <b>1998</b> , 88, 133-41   | 56  |
| 1631 | Bcl-xL is expressed in ovarian carcinoma and modulates chemotherapy-induced apoptosis. <b>1998</b> , 70, 398-403   | 69  |
| 1630 | Is Helicobacter pylori really the cause of gastric cancer?. <b>1998</b> , 8, 275-83  | 18  |
| 1629 | Patterns of c-fos and c-jun proto-oncogene expression, apoptosis, and proliferation in rat pleural mesothelial cells exposed to erionite or asbestos fibers. <b>1998</b> , 151, 88-97  | 28  |
| 1628 | Blocking apoptosis prevents blindness in Drosophila retinal degeneration mutants. <b>1998</b> , 391, 587-91  | 141 |
| 1627 | Laser Line-Scanning Confocal Fluorescence Imaging of the Photodynamic Action of Aluminum and Zinc Phthalocyanines in V79 Chinese Hamster Fibroblasts. <b>1998</b> , 68, 199-204  | 16  |
| 1626 | A neuronal C5a receptor and an associated apoptotic signal transduction pathway. <b>1998</b> , 507 ( Pt 3), 679-87   | 68  |
| 1625 | Lessons from transplantation and future perspectives. <b>1998</b> , 11, 397-400  | 3   |
| 1624 | Review article: Cellular markers in the gastric precancerous process. <b>1998</b> , 12 Suppl 1, 91-109   | 48  |
| 1623 | Effect of curcumin on cell cycle progression and apoptosis in vascular smooth muscle cells. <b>1998</b> , 124, 1029-40   | 163 |
| 1622 | Virus infection induces neuronal apoptosis: A comparison with trophic factor withdrawal. <b>1998</b> , 5, 50-9   | 39  |
| 1621 | Distinct cleavage products of nuclear proteins in apoptosis and necrosis revealed by autoantibody probes. <b>1998</b> , 5, 183-90  | 142 |
| 1620 | Bcl-2 family proteins as ion-channels. <b>1998</b> , 5, 372-80   | 283 |
| 1619 | Cell death attenuation by 'Usurpin', a mammalian DED-caspase homologue that precludes caspase-8 recruitment and activation by the CD-95 (Fas, APO-1) receptor complex. <b>1998</b> , 5, 271-88   | 279 |
| 1618 | Bax-alpha promotes apoptosis induced by cancer chemotherapy and accelerates the activation of caspase 3-like cysteine proteases in p53 double mutant B lymphoma Namalwa cells. <b>1998</b> , 5, 506-16   | 26  |
| 1617 | Interaction of viral proteins with host cell death machinery. <b>1998</b> , 5, 653-9   | 27  |
| 1616 | Activation of the CD95 (APO-1/Fas) pathway in drug- and gamma-irradiation-induced apoptosis of brain tumor cells. <b>1998</b> , 5, 884-93  | 113 |
| 1615 | Apoptosis, in human monocytic THP.1 cells, results in the release of cytochrome c from mitochondria prior to their ultracondensation, formation of outer membrane discontinuities and reduction in inner membrane potential. <b>1998</b> , 5, 953-62 | 86  |

|      |  |     |
|------|--|-----|
| 1614 | Rel blocks both anti-Fas- and TNF alpha-induced apoptosis and an intact Rel transactivation domain is essential for this effect. <b>1998</b> , 5, 963-72                             | 38  |
| 1613 | Induction of apoptosis by the novel retinoid AHPN in human T-cell lymphoma cells involves caspase-dependent and independent pathways. <b>1998</b> , 5, 973-83                        | 38  |
| 1612 | Processing/activation of caspases, -3 and -7 and -8 but not caspase-2, in the induction of apoptosis in B-chronic lymphocytic leukemia cells. <b>1998</b> , 12, 1553-60              | 39  |
| 1611 | Sensitivity to Fas-mediated apoptosis in pediatric acute lymphoblastic leukemia is associated with a mutant p53 phenotype and absence of Bcl-2 expression. <b>1998</b> , 12, 1756-63 | 34  |
| 1610 | Induction of apoptosis by Elk-1 and deltaElk-1 proteins. <b>1998</b> , 17, 527-32  | 40  |
| 1609 | Subcellular and submitochondrial mode of action of Bcl-2-like oncoproteins. <b>1998</b> , 16, 2265-82  | 357 |
| 1608 | Nuclear targeting of Bax during apoptosis in human colorectal cancer cells. <b>1998</b> , 17, 999-1007   | 113 |
| 1607 | Human BAG-1/RAP46 protein is generated as four isoforms by alternative translation initiation and overexpressed in cancer cells. <b>1998</b> , 17, 981-9                             | 120 |
| 1606 | Suppression of transforming growth factor-beta-induced apoptosis through a phosphatidylinositol 3-kinase/Akt-dependent pathway. <b>1998</b> , 17, 1959-68                            | 173 |
| 1605 | Death associated proteins (DAPs): from gene identification to the analysis of their apoptotic and tumor suppressive functions. <b>1998</b> , 17, 3331-40                             | 105 |
| 1604 | Cytotoxic effect of the cyclosporin PSC 833 in multidrug-resistant leukaemia cells with increased expression of P-glycoprotein. <b>1998</b> , 78, 593-600                            | 9   |
| 1603 | Insulin growth factor-I inhibits apoptosis in hematopoietic progenitor cells. Implications in thymic aging. <b>1998</b> , 840, 518-24  | 42  |
| 1602 | Promotion of neuronal survival by GM1 ganglioside. Phenomenology and mechanism of action. <b>1998</b> , 845, 263-73  | 53  |
| 1601 | Induction of type I PACAP receptor expression by the new zinc finger protein Zac1 and p53. <b>1998</b> , 865, 49-58  | 22  |
| 1600 | The role of B7 co-stimulation in activation and differentiation of CD4+ and CD8+ T cells. <b>1998</b> , 165, 231-47  | 251 |
| 1599 | Second conference on foundations of information science: the quest for a unified theory of information. <b>1998</b> , 46, 1-7  | 1   |
| 1598 | Oxidative DNA damage and apoptosis induced by metabolites of butylated hydroxytoluene. <b>1998</b> , 56, 361-70  | 72  |
| 1597 | Bruton's tyrosine kinase (BTK) as a dual-function regulator of apoptosis. <b>1998</b> , 56, 683-91   | 74  |



|      |   |     |
|------|---|-----|
| 1596 | Effect of flupirtine on cell death of human umbilical vein endothelial cells induced by reactive oxygen species. <b>1998</b> , 56, 1615-24  | 17  |
| 1595 | Norepinephrine transmitter metabolite generates free radicals and activates mitochondrial permeability transition: a mechanism for DOPEGAL-induced apoptosis. <b>1998</b> , 787, 328-32 | 44  |
| 1594 | Hypoxia/reoxygenation induces apoptosis through biphasic induction of protein synthesis in cultured rat brain neurons. <b>1998</b> , 787, 107-16  | 63  |
| 1593 | Cross-linking of NCAM receptors on neurons induces programmed cell death. <b>1998</b> , 796, 20-6   | 15  |
| 1592 | Apoptosis as a mechanism of 2-chloroethylethyl sulfide-induced cytotoxicity. <b>1998</b> , 110, 57-70   | 20  |
| 1591 | Prevalence of antiphospholipid antibodies in patients with chronic liver disease related to alcohol or hepatitis C virus: correlation with liver injury. <b>1998</b> , 131, 243-50      | 47  |
| 1590 | Expression and function of Fas and Fas ligand on peripheral blood lymphocytes in normal subjects. <b>1998</b> , 132, 404-13   | 7   |
| 1589 | Apoptosis induction in synovial fibroblasts by ceramide: in vitro and in vivo effects. <b>1998</b> , 131, 410-6   | 21  |
| 1588 | Apoptin specifically causes apoptosis in tumor cells and after UV-treatment in untransformed cells from cancer-prone individuals: a review. <b>1998</b> , 400, 447-55                   | 23  |
| 1587 | Apoptosis in heart failure. <b>1998</b> , 40, 549-62  | 69  |
| 1586 | Nitric oxide and its role in apoptosis. <b>1998</b> , 351, 261-72   | 347 |
| 1585 | Lack of correlation between apoptosis and DNA single-strand breaks in X-irradiated human peripheral blood mononuclear cells in the course of ageing. <b>1998</b> , 106, 117-28          | 7   |
| 1584 | Calcium, free radicals and excitotoxins in neuronal apoptosis. <b>1998</b> , 23, 165-71   | 168 |
| 1583 | Paracrine mechanisms of ovarian follicle apoptosis. <b>1998</b> , 39, 63-75   | 71  |
| 1582 | Cell death induced by topoisomerase-targeted drugs: more questions than answers. <b>1998</b> , 1400, 195-211  | 215 |
| 1581 | Apoptotic cell death in retinal degenerations. <b>1998</b> , 17, 443-64   | 191 |
| 1580 | Transforming growth factor beta 1 potently activates CPP32-like proteases in human hepatoma cells. <b>1998</b> , 10, 511-5  | 20  |
| 1579 | DAP genes: novel apoptotic genes isolated by a functional approach to gene cloning. <b>1998</b> , 1377, F13-33  | 20  |

|      |   |     |
|------|---|-----|
| 1578 | Apoptosis-inducing brain factors in maturation of an insect sex pheromone gland during differentiation. <b>1998</b> , 63, 53-58   | 18  |
| 1577 | Anti-apoptosis therapy: a way of treating neural degeneration?. <b>1998</b> , 8, R418-21  | 26  |
| 1576 | Tumor necrosis factor and endothelial cell death. <b>1998</b> , 8, 19-24  | 19  |
| 1575 | Anticancer quinones induce pRb-preventable G2/M cell cycle arrest and apoptosis. <b>1998</b> , 24, 848-54   | 36  |
| 1574 | Metal-mediated DNA damage induced by diabetogenic alloxan in the presence of NADH. <b>1998</b> , 25, 586-95   | 35  |
| 1573 | Potentials and limitations of the natural antioxidants RRR-alpha-tocopherol, L-ascorbic acid and beta-carotene in cutaneous photoprotection. <b>1998</b> , 25, 848-73       | 337 |
| 1572 | Histological evidence for cell proliferation activity in cystic tumor (endodermal heterotopia) of the atrioventricular node. <b>1998</b> , 48, 917-23                       | 14  |
| 1571 | Preparation and characterization of an endogenously fluorescent annexin for detection of apoptotic cells. <b>1998</b> , 260, 18-23  | 50  |
| 1570 | Synthesis of a Biochemically Important Aldehyde, 3,4-Dihydroxyphenylacetaldehyde. <b>1998</b> , 26, 45-50   | 14  |
| 1569 | Apoptosis induced by filarial parasitic sheath protein in HEp 2 cell lines blocked by ectopic expression of bcl 2. <b>1998</b> , 22, 483-92                                 | 4   |
| 1568 | Loss of butyrate-induced apoptosis in human hepatoma cell lines HCC-M and HCC-T having substantial Bcl-2 expression. <b>1998</b> , 27, 1233-40                              | 33  |
| 1567 | Cyclic adenosine monophosphate-mediated protection against bile acid-induced apoptosis in cultured rat hepatocytes. <b>1998</b> , 27, 1324-31                               | 111 |
| 1566 | Apoptosis of sinusoidal endothelial cells is a critical mechanism of preservation injury in rat liver transplantation. <b>1998</b> , 27, 1652-60                            | 286 |
| 1565 | Apoptosis: silent killer or neutron bomb?. <b>1998</b> , 28, 865-7  | 25  |
| 1564 | Proteomic changes associated with degeneration of myelin-forming cells in the central nervous system of c-myc transgenic mice. <b>1998</b> , 19, 2014-20                    | 8   |
| 1563 | Upregulation of Fas/Fas ligand in inclusion body myositis. <b>1998</b> , 43, 127-30   | 24  |
| 1562 | Modulation of bleomycin-induced pulmonary toxicity in the hamster by the antioxidant amifostine. <b>1998</b> , 83, 2008-2014  | 25  |
| 1561 | Resistance to apoptosis correlates with a highly proliferative phenotype and loss of Fas and CPP32 (caspase-3) expression in human leukemia cells. <b>1998</b> , 75, 473-81 | 39  |

|      |  |     |
|------|--|-----|
| 1560 | Apoptosis induction by different pathways with methylene blue derivative and light from mitochondrial sites in V79 cells. <b>1998</b> , 75, 941-8                      | 58  |
| 1559 | Down-regulation of c-myc and bcl-2 gene expression in PU.1-induced apoptosis in murine erythroleukemia cells. <b>1998</b> , 76, 523-30                                 | 29  |
| 1558 | Comparative analysis of apoptosis measured by Hoechst and flow cytometry in non-Hodgkin's lymphomas. <b>1998</b> , 32, 44-50   | 20  |
| 1557 | Cell death mediated by Fas-FasL interaction between glial cells and MBP-reactive T cells. <b>1998</b> , 52, 458-67   | 13  |
| 1556 | Impaired differentiation of HPRT-deficient dopaminergic neurons: a possible mechanism underlying neuronal dysfunction in Lesch-Nyhan syndrome. <b>1998</b> , 53, 78-85 | 38  |
| 1555 | Self-protection of PC12 cells by 6R-tetrahydrobiopterin from nitric oxide toxicity. <b>1998</b> , 54, 664-72   | 25  |
| 1554 | Protection of CD95-mediated apoptosis by activation of phosphatidylinositide 3-kinase and protein kinase B. <b>1998</b> , 28, 57-69                                    | 96  |
| 1553 | TNF-induced enterocyte apoptosis in mice is mediated by the TNF receptor 1 and does not require p53. <b>1998</b> , 28, 3499-505  | 95  |
| 1552 | Mechanisms of neuronal cell death. <b>1998</b> , 4, 157-170  | 7   |
| 1551 | Organische Synthese und biologische Signaltransduktion. <b>1998</b> , 110, 716-780   | 47  |
| 1550 | Organic Synthesis and Biological Signal Transduction. <b>1998</b> , 37, 688-749  | 121 |
| 1549 | Manganese superoxide dismutase (MnSOD) and autoantibodies against MnSOD in acute viral infections. <b>1998</b> , 55, 161-167   | 17  |
| 1548 | Induction of apoptosis by laser: a new therapeutic modality. <b>1998</b> , 23, 65  | 3   |
| 1547 | The induction of apoptosis by laser: a new therapeutic modality. <b>1998</b> , 23, 247   | 2   |
| 1546 | Characterization of spinal motoneuron degeneration following different types of peripheral nerve injury in neonatal and adult mice. <b>1998</b> , 396, 158-168         | 95  |
| 1545 | Proteolytic cleavage and activation of PAK2 during UV irradiation-induced apoptosis in A431 cells. <b>1998</b> , 70, 442-454   | 37  |
| 1544 | Anti-Fas induces apoptosis and proliferation in human dermal fibroblasts: differences between foreskin and adult fibroblasts. <b>1998</b> , 175, 19-29                 | 45  |
| 1543 | Programmed cell death of an identified motoneuron in vitro: Temporal requirements for steroid exposure and protein synthesis. <b>1998</b> , 35, 300-322                | 24  |

|      |   |     |
|------|---|-----|
| 1542 | In vitro and in vivo effects of an extract of Ginkgo biloba (EGb 761), ginkgolide B, and bilobalide on apoptosis in primary cultures of rat hippocampal neurons. <b>1998</b> , 45, 23-29  | 34  |
| 1541 | Enhanced expression of anti-apoptotic proteins in human papillomavirus-immortalized and cigarette smoke condensate-transformed human endocervical cells: Correlation with resistance to apoptosis induced by DNA damage. <b>1998</b> , 22, 95-101 | 16  |
| 1540 | Role of apoptosis in the pathogenesis of Parkinson's disease: A novel therapeutic opportunity?. <b>1998</b> , 13, 865-70  | 16  |
| 1539 | Apoptosis in liver transplantation: a mechanism contributing to immune modulation, preservation injury, neoplasia, and viral disease. <b>1998</b> , 4, 42-50  | 21  |
| 1538 | Rekombinante Wachstumsfaktoren: Neue Therapeutische Perspektiven beim akuten Nierenversagen. <b>1998</b> , 35, 680-690  |     |
| 1537 | The polymorphic 43Thr bcl-2 protein confers relative resistance to autoimmunity: an analytical evaluation. <b>1998</b> , 103, 435-40  | 30  |
| 1536 | The time course of nerve growth factor content in different neuropsychiatric diseases--a unifying hypothesis. <b>1998</b> , 105, 871-903  | 56  |
| 1535 | Bcl-2 protein expression associated with resistance to apoptosis in clear cell adenocarcinomas of the vagina and cervix expressing wild-type p53. <b>1998</b> , 5, 544-7  | 20  |
| 1534 | Oxidative stress and neurodegenerative disorders. <b>1998</b> , 5, 401-14   | 151 |
| 1533 | [Apoptosis and ischemic infarct]. <b>1998</b> , 69, 459-64  | 0   |
| 1532 | Thermotolerance inhibits various stress-induced apoptosis in NIH3T3 cells. <b>1998</b> , 21, 46-53  | 9   |
| 1531 | Mechanisms controlling cellular suicide: role of Bcl-2 and caspases. <b>1998</b> , 54, 427-45   | 154 |
| 1530 | Caspases: key mediators of apoptosis. <b>1998</b> , 5, R97-103  | 360 |
| 1529 | Somatostatin analogue predisposes enterocytes to apoptosis. <b>1998</b> , 2, 167-73   | 15  |
| 1528 | A p53-dependent G1 checkpoint function is not required for induction of apoptosis by acute choline deficiency in immortalized rat hepatocytes in culture. <b>1998</b> , 9, 476-481  | 13  |
| 1527 | DNA fragmentation reduced by antioxidants following ischaemia-reperfusion in the isolated perfused rat kidney. <b>1998</b> , 4, 163-175   | 22  |
| 1526 | Bcl-2 expressing T lymphocytes in multiple sclerosis lesions. <b>1998</b> , 24, 202-8   | 30  |
| 1525 | Apoptosis of myofibres and satellite cells: exercise-induced damage in skeletal muscle of the mouse. <b>1998</b> , 24, 518-31   | 79  |

|      |   |     |
|------|---|-----|
| 1524 | Reduction of intrafollicular apoptosis in chemotherapy-induced alopecia by topical calcitriol-analogs. <b>1998</b> , 111, 598-604   | 44  |
| 1523 | Regulation of survival and death of mesangial cells by extracellular matrix. <b>1998</b> , 54, 1188-96  | 34  |
| 1522 | p53 and apoptosis alterations in keloids and keloid fibroblasts. <b>1998</b> , 6, 28-37   | 123 |
| 1521 | Soluble Fas mRNA is dominantly expressed in cases with silicosis. <b>1998</b> , 94, 258-62  | 55  |
| 1520 | Fas-mediated apoptosis with normal expression of bcl-2 and p53 in lymphocytes from aplastic anaemia. <b>1998</b> , 100, 698-703   | 10  |
| 1519 | Eosinophil apoptosis in allergic diseases--an emerging new issue. <b>1998</b> , 28, 1321-4  | 20  |
| 1518 | Elevated serum levels of soluble Fas/APO-1 (CD95) in patients with hepatocellular carcinoma. <b>1998</b> , 112, 166-71  | 58  |
| 1517 | Modulation by proinflammatory cytokines of Fas/Fas ligand-mediated apoptotic cell death of synovial cells in patients with rheumatoid arthritis (RA). <b>1998</b> , 114, 119-28 | 39  |
| 1516 | Modes of epithelial cell death and repair in Sjögren's syndrome (SS). <b>1998</b> , 114, 485-90   | 90  |
| 1515 | The association of type II pneumocytes and endothelial permeability with the pulmonary custocyte system in experimental acute pancreatitis. <b>1998</b> , 28, 778-85            | 12  |
| 1514 | The inhibitory effect of lycorine on tumor cell apoptosis induced by polymorphonuclear leukocyte-derived calprotectin. <b>1998</b> , 40, 151-62                                 | 65  |
| 1513 | Imuthiol inhibits the etoposide-induced apoptosis in HL-60 cells. <b>1998</b> , 64, 1-4   | 4   |
| 1512 | Molecular cloning of a cDNA encoding a silkworm protein that contains the conserved BH regions of Bcl-2 family proteins. <b>1998</b> , 212, 287-93                              | 9   |
| 1511 | Fluorescent differential display analysis of gene expression in apoptotic neuroblastoma cells. <b>1998</b> , 223, 21-31   | 33  |
| 1510 | Apoptosis in the human inner ear. Detection by in situ end-labeling of fragmented DNA and correlation with other markers. <b>1998</b> , 117, 131-9                              | 33  |
| 1509 | La mitochondrie, chef d'orchestre de la mort cellulaire. <b>1998</b> , 1998, 32-36  |     |
| 1508 | Inflammation and glial responses in ischemic brain lesions. <b>1998</b> , 56, 149-71  | 684 |
| 1507 | Intracellular mechanisms of ovarian cell apoptosis. <b>1998</b> , 145, 21-5   | 21  |

|      |  |           |
|------|--|-----------|
| 1506 | Hypoxia-induced apoptosis in human hepatocellular carcinoma cells: a possible involvement of the 6-TG-sensitive protein kinase(s)-dependent signaling pathway. <b>1998</b> , 126, 97-104 | 27        |
| 1505 | Myc activation reduces fibroblast clonogenicity via an apoptotic mechanism that can be suppressed by a soluble paracrine factor. <b>1998</b> , 127, 211-9                                | 12        |
| 1504 | Genomic organization and mutation analyses of the DR5/TRAIL receptor 2 gene in colorectal carcinomas. <b>1998</b> , 133, 197-204   | 36        |
| 1503 | Apoptotic fraction in lymphoid tissue of FIV-infected SPF cats. <b>1998</b> , 64, 33-44  | 12        |
| 1502 | Ex vivo malignant glioma cells are sensitive to Fas (CD95/APO-1) ligand-mediated apoptosis. <b>1998</b> , 87, 105-13   | 31        |
| 1501 | Evidence that photodynamic stress kills Zellweger fibroblasts by a nonapoptotic mechanism. <b>1998</b> , 1402, 61-9  | 6         |
| 1500 | H-7-induced apoptosis in the cells of a Drosophila neuronal cell line through affecting unidentified H-7-sensitive substance(s). <b>1998</b> , 31, 113-21                                | 17        |
| 1499 | Distinct mode of apoptosis induced by genotoxic agent etoposide and serum withdrawal in neuroblastoma cells. <b>1998</b> , 62, 43-55   | 34        |
| 1498 | Sodium nitroprusside/nitric oxide causes apoptosis in spiral ganglion cells. <b>1998</b> , 119, 323-30   | 12        |
| 1497 | The apo-1/fas death signaling pathway: a life and death balance. <b>1998</b> , 18, 97-102  | 2         |
| 1496 | Tumor necrosis factor locus: genetic organisation and biological implications. <b>1998</b> , 59, 571-9   | 75        |
| 1495 | Expression of ced-3 and ced-9 homologs in Alzheimer's disease cerebral cortex. <b>1998</b> , 244, 69-72  | 33        |
| 1494 | Brefeldin A-induced apoptosis is expressed in rat neurons with dephosphorylated tau protein. <b>1998</b> , 250, 1-4  | 27        |
| 1493 | Apoptosis of hair follicle cells in the second-degree burn wound under hypernatremic conditions. <b>1998</b> , 24, 464-9   | 26        |
| 1492 | The keys of oxidative stress in acquired immune deficiency syndrome apoptosis. <b>1998</b> , 51, 169-73  | 38        |
| 1491 | Deleterious network hypothesis of apoptosis. <b>1998</b> , 50, 393-8   | 12        |
| 1490 | Expression of p53 and p21 proteins in oral squamous cell carcinoma: correlation with lymph node metastasis and response to chemoradiotherapy. <b>1998</b> , 194, 821-30                  | 21        |
| 1489 | Death receptors: signaling and modulation. <i>Science</i> , <b>1998</b> , 281, 1305-8  | 33-3 4373 |

|      |   |      |
|------|---|------|
| 1488 | Zinc and brain injury. <b>1998</b> , 21, 347-75   | 663  |
| 1487 | An increase of soluble Fas, an inhibitor of apoptosis, associated with progression of COPD. <b>1998</b> , 92, 993-9   | 85   |
| 1486 | The Bcl-2 family and cell death regulation. <b>1998</b> , 8, 68-75  | 116  |
| 1485 | Apoptotic neuronal death following cerebral ischaemia. <b>1998</b> , 5, 125-45  | 9    |
| 1484 | Granzyme B directly and efficiently cleaves several downstream caspase substrates: implications for CTL-induced apoptosis. <b>1998</b> , 8, 451-60                            | 279  |
| 1483 | The transcription factor NFAT4 is involved in the generation and survival of T cells. <b>1998</b> , 9, 295-304  | 223  |
| 1482 | Apoptosis-associated proteins in oral lymphomas from HIV-positive patients. <b>1998</b> , 86, 196-202   | 9    |
| 1481 | Overstimulation of nerve growth factors in postinfectious and autoimmune diseases. <b>1998</b> , 18, 231-5  | 7    |
| 1480 | Apoptosis in vasculature of spontaneously hypertensive rats: effect of an angiotensin converting enzyme inhibitor and a calcium channel antagonist. <b>1998</b> , 11, 1108-16 | 69   |
| 1479 | Neuronal cell death. <b>1998</b> , 20, 633-47   | 504  |
| 1478 | Récepteurs de surface et signaux intracellulaires impliqués dans la régulation de l'apoptose. <b>1998</b> , 13, 339-349   |      |
| 1477 | Apoptosis and programmed cell death: a role in cerebral ischemia. <b>1998</b> , 52, 264-9   | 29   |
| 1476 | Bcl-2 and Bax expression on rat ischemic kidney. <b>1998</b> , 30, 2861-2   | 5    |
| 1475 | Integrins and T helper cell activation. <b>1998</b> , 30, 4270-4  | 13   |
| 1474 | Reduced apoptosis and cytochrome c-mediated caspase activation in mice lacking caspase 9. <b>1998</b> , 94, 325-37  | 1450 |
| 1473 | Differential requirement for caspase 9 in apoptotic pathways in vivo. <b>1998</b> , 94, 339-52  | 1136 |
| 1472 | Bid, a Bcl2 interacting protein, mediates cytochrome c release from mitochondria in response to activation of cell surface death receptors. <b>1998</b> , 94, 481-90          | 3061 |
| 1471 | The Drosophila gene hid is a direct molecular target of Ras-dependent survival signaling. <b>1998</b> , 95, 331-41  | 415  |

|      |  |           |
|------|--|-----------|
| 1470 | Mitochondrial control of apoptosis: the role of cytochrome c. <b>1998</b> , 1366, 139-49   | 522       |
| 1469 | Human recombinant tissue factor pathway inhibitor induces apoptosis in cultured human endothelial cells. <b>1998</b> , 421, 197-202  | 32        |
| 1468 | TRUNDD, a new member of the TRAIL receptor family that antagonizes TRAIL signalling. <b>1998</b> , 424, 41-5   | 244       |
| 1467 | A deficiency in Syk enhances ceramide-induced apoptosis in DT40 lymphoma B cells. <b>1998</b> , 427, 139-43  | 11        |
| 1466 | Activation of bcl-2 suppressible 40 and 44 kDa p38-like kinases during apoptosis of early and late B lymphocytic cell lines. <b>1998</b> , 427, 29-35  | 3         |
| 1465 | Proteolytic cleavage of HsRad51 during apoptosis. <b>1998</b> , 427, 247-51  | 29        |
| 1464 | Mammalian Bax triggers apoptotic changes in yeast. <b>1998</b> , 438, 61-5   | 163       |
| 1463 | Cleavage of translation initiation factor 4G (eIF4G) during anti-Fas IgM-induced apoptosis does not require signalling through the p38 mitogen-activated protein (MAP) kinase. <b>1998</b> , 438, 41-8 | 59        |
| 1462 | The Drosophila inhibitor of apoptosis D-IAP1 suppresses cell death induced by the caspase drICE. <b>1998</b> , 440, 243-8  | 93        |
| 1461 | A necessary role for cell shrinkage in apoptosis. <b>1998</b> , 56, 1549-59  | 216       |
| 1460 | Reactive oxygen intermediates mediate a systemic signal network in the establishment of plant immunity. <b>1998</b> , 92, 773-84   | 973       |
| 1459 | Control of Apoptosis by Poxviruses. <b>1998</b> , 8, 453-469   | 27        |
| 1458 | Apoptosis induced by hydrogen peroxide is mediated by decreased superoxide anion concentration and reduction of intracellular milieu. <b>1998</b> , 440, 13-8  | 164       |
| 1457 | The Bcl-2 protein family: arbiters of cell survival. <i>Science</i> , <b>1998</b> , 281, 1322-6  | 33.3 4058 |
| 1456 | Nitric Oxide and Its Congeners in Mitochondria: Implications for Apoptosis. <b>1998</b> , 106, 1125  | 7         |
| 1455 | EXPRESSION OF BCL-2 AND BCL-X IN BLADDER CANCER. <b>1998</b> , 159, 1348-1353  | 44        |
| 1454 | Dual signaling of the Fas receptor: initiation of both apoptotic and necrotic cell death pathways. <b>1998</b> , 188, 919-30   | 472       |
| 1453 | Antigen-Induced Death of T-Lymphocytes. <b>1998</b> , 18, 329-354  |           |



|      |   |     |
|------|---|-----|
| 1452 | The influence of apoptosis on intestinal barrier integrity in rats. <b>1998</b> , 33, 415-22  | 78  |
| 1451 | Pyruvate prevents hydrogen peroxide-induced apoptosis. <b>1998</b> , 29, 283-95   | 40  |
| 1450 | Cleavage of beta-catenin and plakoglobin and shedding of VE-cadherin during endothelial apoptosis: evidence for a role for caspases and metalloproteinases. <b>1998</b> , 9, 1589-601   | 243 |
| 1449 | Recent progress on the regulation of apoptosis by Bcl-2 family members. <b>1998</b> , 70, 245-79  | 48  |
| 1448 | Retinal degeneration, apoptosis and the c-fos gene. <b>1998</b> , 20, 143-148   | 1   |
| 1447 | Development of the cerebral cortex: VIII. Apoptosis: neuronal Hari-Kari. <b>1998</b> , 37, 890-2  | 3   |
| 1446 | Ubiquitin and the Biology of the Cell. <b>1998</b> ,  | 32  |
| 1445 | Interaction of the baculovirus anti-apoptotic protein p35 with caspases. Specificity, kinetics, and characterization of the caspase/p35 complex. <b>1998</b> , 37, 10757-65             | 193 |
| 1444 | Current Scientific Issues Related to Clinical Radiation Oncology. <b>1998</b> , 150, 125  | 6   |
| 1443 | Impaired Regulation of Nuclear Factor-B Results in Apoptosis Induced by Gamma Radiation. <b>1998</b> , 149, 596   | 38  |
| 1442 | Butyrate Attenuates BCLX L Expression in Human Fibroblasts and Acts in Synergy with Ionizing Radiation to Induce Apoptosis. <b>1998</b> , 149, 187                                      | 21  |
| 1441 | Antiapoptotic signaling by the insulin receptor in Chinese hamster ovary cells. <b>1998</b> , 37, 15747-57  | 42  |
| 1440 | Production of recombinant DTctGMCSF fusion toxin in a baculovirus expression vector system for biotherapy of GMCSF-receptor positive hematologic malignancies. <b>1998</b> , 13, 210-21 | 10  |
| 1439 | The highly reducing sugar 2-deoxy-D-ribose induces apoptosis in human fibroblasts by reduced glutathione depletion and cytoskeletal disruption. <b>1998</b> , 243, 416-25               | 67  |
| 1438 | A mutant strain of mouse FM3A cells defective in apoptotic DNA fragmentation. <b>1998</b> , 243, 550-4  | 2   |
| 1437 | Abrogation of Fas-induced fulminant hepatic failure in mice by hepatocyte growth factor. <b>1998</b> , 244, 683-90  | 181 |
| 1436 | Chemotherapeutic drug activation of the AP24 protease in apoptosis: requirement for caspase 3-like-proteases. <b>1998</b> , 245, 797-803  | 28  |
| 1435 | Induction of apoptosis in pancreatic acinar cells reduces the severity of acute pancreatitis. <b>1998</b> , 246, 476-83   | 102 |

|      |  |     |
|------|--|-----|
| 1434 | Enhanced expression of Fas ligand is associated with aburatubolactam C-induced apoptosis in human Jurkat T cells. <b>1998</b> , 246, 276-81                                    | 4   |
| 1433 | Hepatocyte growth factor protects renal epithelial cells from apoptotic cell death. <b>1998</b> , 246, 821-6   | 79  |
| 1432 | Role of ultraviolet A-induced oxidative DNA damage in apoptosis via loss of mitochondrial membrane potential and caspase-3 activation. <b>1998</b> , 247, 693-6                | 62  |
| 1431 | The role of caspase 3 and BclxL in the action of interleukin 7 (IL-7): a survival factor in activated human T cells. <b>1998</b> , 10, 662-8                                   | 42  |
| 1430 | Fiber apoptosis in developing rat muscles is regulated by activity, neuregulin. <b>1998</b> , 196, 193-203   | 33  |
| 1429 | Basic fibroblast growth factor downregulates Bcl-2 and promotes apoptosis in MCF-7 human breast cancer cells. <b>1998</b> , 238, 177-87  | 53  |
| 1428 | Serum deprivation and protein synthesis inhibition induce two different apoptotic processes in N18 neuroblastoma cells. <b>1998</b> , 238, 422-9                               | 26  |
| 1427 | Apoptosis, excitotoxicity, and neuropathology. <b>1998</b> , 239, 183-201  | 240 |
| 1426 | Bcl-xL modulates apoptosis induced by anticancer drugs and delays DEVDase and DNA fragmentation-promoting activities. <b>1998</b> , 240, 107-21                                | 44  |
| 1425 | Nucleotide excision repair is not required for the antiapoptotic function of insulin-like growth factor 1. <b>1998</b> , 241, 458-66   | 6   |
| 1424 | Nuclear translocation and increased expression of Bax and disturbance in cell cycle progression without prominent apoptosis induced by hyperthermia. <b>1998</b> , 244, 357-66 | 40  |
| 1423 | Caspase-3-like activity is necessary for IL-2 release in activated Jurkat T-cells. <b>1998</b> , 244, 302-9  | 29  |
| 1422 | Overexpression of HA-Bax but not Bcl-2 or Bcl-XL attenuates 6-hydroxydopamine-induced neuronal apoptosis. <b>1998</b> , 154, 193-8   | 28  |
| 1421 | Lovastatin triggers an apoptosis-like cell death process in the fungus <i>Mucor racemosus</i> . <b>1998</b> , 25, 119-33   | 77  |
| 1420 | Apoptosis in esophageal cancer following induction chemoradiotherapy. <b>1998</b> , 79, 20-4   | 7   |
| 1419 | New isolation technique to study apoptosis in human intestinal epithelial cells. <b>1998</b> , 153, 53-62  | 99  |
| 1418 | Histopathological evaluation of apoptosis in cancer. <b>1998</b> , 153, 1041-53  | 172 |
| 1417 | Apoptosis after traumatic human spinal cord injury. <b>1998</b> , 89, 911-20   | 324 |

|      |   |          |
|------|---|----------|
| 1416 | Programmed cell death in plant disease: the purpose and promise of cellular suicide. <b>1998</b> , 36, 393-414  | 218      |
| 1415 | ? REVIEW : Excitotoxicity, Free Radicals, Necrosis, and Apoptosis. <b>1998</b> , 4, 345-352   | 9        |
| 1414 | Induction of apoptosis in glioblastoma cells by inhibition of protein kinase C and its association with the rapid accumulation of p53 and induction of the insulin-like growth factor-1-binding protein-3. <b>1998</b> , 55, 1711-9 | 36       |
| 1413 | Ovarian fecundity in patients with endometriosis can be estimated by the incidence of apoptotic bodies. <b>1998</b> , 69, 931-5   | 52       |
| 1412 | Spontaneous apoptosis of endometrial tissue is impaired in women with endometriosis. <b>1998</b> , 69, 1042-7   | 178      |
| 1411 | Of what use is molecular biology to the practicing radiation oncologist?. <b>1998</b> , 46, 117-25  | 6        |
| 1410 | Abnormal phenotype of cultured fibroblasts in human skin with chronic radiotherapy damage. <b>1998</b> , 47, 255-61   | 49       |
| 1409 | The role of the stress-activated protein kinase (SAPK/JNK) signaling pathway in radiation-induced apoptosis. <b>1998</b> , 47, 225-32   | 75       |
| 1408 | Biochemical determinants of apoptosis and necrosis. <b>1998</b> , 99, 157-68  | 203      |
| 1407 | Release of mitochondrial cytochrome c is upstream of caspase activation in chemical-induced apoptosis in human monocytic tumour cells. <b>1998</b> , 102-103, 121-9   | 26       |
| 1406 | EPC-K1 attenuates peroxynitrite-induced apoptosis in cerebellar granule cells. <b>1998</b> , 46, 89-97  | 2        |
| 1405 | CIDE, a novel family of cell death activators with homology to the 45 kDa subunit of the DNA fragmentation factor. <b>1998</b> , 17, 2526-33  | 255      |
| 1404 | Ultraviolet B-induced cell death in four cutaneous cell lines exhibiting different enzymatic antioxidant defences: involvement of apoptosis. <b>1998</b> , 17, 140-50   | 41       |
| 1403 | Apoptosis. <b>1998</b> , 559-588  |          |
| 1402 | Medical therapy of chronic heart failure. Role of ACE inhibitors and beta-blockers. <b>1998</b> , 16, 711-25, ix  | 8        |
| 1401 | Molecular Genetics of Host-Specific Toxins in Plant Disease. <b>1998</b> ,  | 3        |
| 1400 | Cellular and molecular mechanisms of osteoporosis. <b>1998</b> , 10, 182-90   | 19       |
| 1399 | Induction and evasion of host defenses by type 1-piliated uropathogenic <i>Escherichia coli</i> . <i>Science</i> , <b>1998</b> , 282, 1494-7  | 33-3 733 |

|      |   |     |
|------|---|-----|
| 1398 | Induction of apoptosis by SB202190 through inhibition of p38beta mitogen-activated protein kinase. <b>1998</b> , 273, 16415-20  | 242 |
| 1397 | Diet restriction increases apoptosis in the gut of aging rats. <b>1998</b> , 53, B168-72  | 46  |
| 1396 | Challenging drug resistance in cancer therapy--review of the First Nordic Conference on Chemoresistance in Cancer Treatment, October 9th and 10th, 1997. <b>1998</b> , 37, 431-9                  | 16  |
| 1395 | Cell cycle arrest, apoptosis and p53 expression in nickel(II) acetate-treated Chinese hamster ovary cells. <b>1998</b> , 19, 1203-7   | 61  |
| 1394 | BOD (Bcl-2-related ovarian death gene) is an ovarian BH3 domain-containing proapoptotic Bcl-2 protein capable of dimerization with diverse antiapoptotic Bcl-2 members. <b>1998</b> , 12, 1432-40 | 110 |
| 1393 | ANTIGEN-INDUCED DEATH OF T-LYMPHOCYTES. <b>1998</b> , 18, 329-354   |     |
| 1392 | Molecular Mechanisms of Neuronal Survival and Apoptosis. <b>1998</b> , 257-306  | 11  |
| 1391 | Proteases to die for. <b>1998</b> , 12, 1551-70   | 988 |
| 1390 | Blocking cytochrome c activity within intact neurons inhibits apoptosis. <b>1998</b> , 142, 1583-93   | 148 |
| 1389 | Importance of changes in epithelial cell turnover during Helicobacter pylori infection in gastric carcinogenesis. <b>1998</b> , 43 Suppl 1, S27-32  | 56  |
| 1388 | Calcium channel blockers and the risk of cancer. <b>1998</b> , 279, 1000-4  | 107 |
| 1387 | Apoptotic proteins Reaper and Grim induce stable inactivation in voltage-gated K <sup>+</sup> channels. <b>1998</b> , 95, 11703-8   | 39  |
| 1386 | To die or not to die: an overview of apoptosis and its role in disease. <b>1998</b> , 279, 300-7  | 380 |
| 1385 | DRAKs, novel serine/threonine kinases related to death-associated protein kinase that trigger apoptosis. <b>1998</b> , 273, 29066-71  | 148 |
| 1384 | Inhibition of dimethylhydrazine-induced aberrant crypt foci and induction of apoptosis in rat colon following oral administration of the glucosinolate sinigrin. <b>1998</b> , 19, 267-73         | 83  |
| 1383 | Helicobacter pylori induced apoptosis. <b>1998</b> , 43, 592-4  | 69  |
| 1382 | Vinorelbine induces apoptosis and caspase-3 (CPP32) expression in leukemia and lymphoma cells: a comparison with vincristine. <b>1998</b> , 31, 195-208   | 61  |
| 1381 | Inhibition of Akt kinase by cell-permeable ceramide and its implications for ceramide-induced apoptosis. <b>1998</b> , 273, 16568-75  | 280 |

|      |  |     |
|------|--|-----|
| 1380 | Tumor necrosis factor-induced apoptosis stimulates p53 accumulation and p21WAF1 proteolysis in ME-180 cells. <b>1998</b> , 273, 5067-72  | 69  |
| 1379 | Fas and Fas ligand interactions suppress melanoma lung metastasis. <b>1998</b> , 188, 1717-23  | 149 |
| 1378 | Molecular mechanisms of c-Jun N-terminal kinase-mediated apoptosis induced by anticarcinogenic isothiocyanates. <b>1998</b> , 273, 1769-75   | 172 |
| 1377 | Cytokine-mediated induction of ceramide production is redox-sensitive. Implications to proinflammatory cytokine-mediated apoptosis in demyelinating diseases. <b>1998</b> , 273, 20354-62                  | 166 |
| 1376 | E1B 19K inhibits Fas-mediated apoptosis through FADD-dependent sequestration of FLICE. <b>1998</b> , 141, 1255-66  | 103 |
| 1375 | Extracellular matrix survival signals transduced by focal adhesion kinase suppress p53-mediated apoptosis. <b>1998</b> , 143, 547-60   | 428 |
| 1374 | Evidence that protein kinase Cepsilon mediates phorbol ester inhibition of calphostin C- and tumor necrosis factor-alpha-induced apoptosis in U937 histiocytic lymphoma cells. <b>1998</b> , 273, 24115-21 | 59  |
| 1373 | Induction of ceramide-mediated apoptosis by the anticancer phospholipid analog, hexadecylphosphocholine. <b>1998</b> , 273, 11025-31   | 128 |
| 1372 | Inhibitory effect of glucocorticoid for osteoblast apoptosis induced by activated peripheral blood mononuclear cells. <b>1998</b> , 139, 2032-40   | 34  |
| 1371 | Altered bcl-2 and bax expression and intracellular Ca <sup>2+</sup> signaling in apoptosis of pancreatic cells and the impairment of glucose-induced insulin secretion. <b>1998</b> , 139, 1429-39         | 46  |
| 1370 | CD95-induced apoptosis in human liver disease. <b>1998</b> , 18, 141-51  | 101 |
| 1369 | Oxidative stress and cytotoxicity induced by ferric-nitrosyltriacetate in HepG2 cells that express cytochrome P450 2E1. <b>1998</b> , 54, 1024-35  | 96  |
| 1368 | DEFT, a novel death effector domain-containing molecule predominantly expressed in testicular germ cells. <b>1998</b> , 139, 4839-48   | 13  |
| 1367 | Dysregulation of apoptosis in hepatocellular carcinoma. <b>1998</b> , 18, 115-22   | 62  |
| 1366 | Diva, a Bcl-2 homologue that binds directly to Apaf-1 and induces BH3-independent cell death. <b>1998</b> , 273, 32479-86  | 132 |
| 1365 | Caspase-9, Bcl-XL, and Apaf-1 form a ternary complex. <b>1998</b> , 273, 5841-5  | 403 |
| 1364 | Possible involvement of Fas-mediated apoptosis in eye muscle tissue from patients with thyroid-associated ophthalmopathy. <b>1998</b> , 8, 311-8   | 18  |
| 1363 | Cleavage of the cytoplasmic domain of the integrin beta3 subunit during endothelial cell apoptosis. <b>1998</b> , 273, 19525-31  | 46  |

|      |  |     |
|------|--|-----|
| 1362 | The death inhibitory molecules CED-9 and CED-4L use a common mechanism to inhibit the CED-3 death protease. <b>1998</b> , 273, 17708-12  | 28  |
| 1361 | Fas/Fas ligand up-regulation and Bcl-2 down-regulation may be significant in the pathogenesis of Hashimoto's thyroiditis. <b>1998</b> , 83, 2199-203                                   | 53  |
| 1360 | Dissociation of phagocyte recognition of cells undergoing apoptosis from other features of the apoptotic program. <b>1998</b> , 273, 15628-32  | 67  |
| 1359 | Molecular ordering in HIV-induced apoptosis. Oxidative stress, activation of caspases, and cell survival are regulated by transaldolase. <b>1998</b> , 273, 11944-53                   | 89  |
| 1358 | Induction of apoptosis and inhibition of cell proliferation by survivin gene targeting. <b>1998</b> , 273, 11177-82  | 322 |
| 1357 | Resistance to DNA fragmentation and chromatin condensation in mice lacking the DNA fragmentation factor 45. <b>1998</b> , 95, 12480-5  | 152 |
| 1356 | WD-40 repeat region regulates Apaf-1 self-association and procaspase-9 activation. <b>1998</b> , 273, 33489-94   | 197 |
| 1355 | Bcl-xL functions downstream of caspase-8 to inhibit Fas- and tumor necrosis factor receptor 1-induced apoptosis of MCF7 breast carcinoma cells. <b>1998</b> , 273, 4523-9              | 127 |
| 1354 | Molecular mechanisms of radioresistance: Applications for head and neck cancer. <b>1998</b> , 8, 119-123   | 1   |
| 1353 | Hormonal control of programmed cell death/apoptosis. <b>1998</b> , 138, 482-91   | 84  |
| 1352 | Spontaneous germ cell apoptosis in humans: evidence for ethnic differences in the susceptibility of germ cells to programmed cell death. <b>1998</b> , 83, 152-6                       | 125 |
| 1351 | Cell death and proliferation and its relation to collagen degradation in uterine involution of rat. <b>1998</b> , 37, 163-75   | 30  |
| 1350 | Apoptosis in restenosis versus stable-angina atherosclerosis: implications for the pathogenesis of restenosis. <b>1998</b> , 18, 1132-9  | 72  |
| 1349 | Endothelial cell apoptosis in lipopolysaccharide-induced lung injury in mice. <b>1998</b> , 117, 202-8   | 113 |
| 1348 | Caspases are activated in a branched protease cascade and control distinct downstream processes in Fas-induced apoptosis. <b>1998</b> , 187, 587-600                                   | 398 |
| 1347 | Mtd, a novel Bcl-2 family member activates apoptosis in the absence of heterodimerization with Bcl-2 and Bcl-XL. <b>1998</b> , 273, 8705-10  | 106 |
| 1346 | Bcl-xS and Bad potentiate the death suppressing activities of Bcl-xL, Bcl-2, and A1 in yeast. <b>1998</b> , 273, 23704-8   | 13  |
| 1345 | A splicing variant of the Bcl-2 member Bok with a truncated BH3 domain induces apoptosis but does not dimerize with antiapoptotic Bcl-2 proteins in vitro. <b>1998</b> , 273, 30139-46 | 41  |

|      |  |     |
|------|--|-----|
| 1344 | E4orf4, a novel adenovirus death factor that induces p53-independent apoptosis by a pathway that is not inhibited by zVAD-fmk. <b>1998</b> , 140, 637-45   | 193 |
| 1343 | The caspase-3 precursor has a cytosolic and mitochondrial distribution: implications for apoptotic signaling. <b>1998</b> , 140, 1485-95   | 365 |
| 1342 | Apoptosis: programmed cell death. <b>1998</b> , 133, 773-5   | 15  |
| 1341 | AP-1 (Fos/Jun) transcription factors in hematopoietic differentiation and apoptosis. <b>1998</b> , 12, 685-700   | 43  |
| 1340 | Microtubule-damaging drugs triggered bcl2 phosphorylation-requirement of phosphorylation on both serine-70 and serine-87 residues of bcl2 protein. <b>1998</b> , 13, 659-64  | 29  |
| 1339 | Death activation does not stop tumor growth: quantitative evidence for concomitant activation of apoptosis in tumor growth in vitro. <b>1998</b> , 13, 807-18  |     |
| 1338 | Regulation of B cell apoptosis by Bcl-2 and Bcl-XL and its role in the development of autoimmune diseases (Review). <b>1998</b> , 1, 475-83  | 16  |
| 1337 | Conversion of normal human oral keratinocytes to tumorigenic cells is associated with the acquisition of resistance to TGF-beta. <b>1998</b> , 12, 833-9   | 0   |
| 1336 | Fas and Fas ligand system may mediate antiproliferative activity of gonadotropin-releasing hormone receptor in endometrial cancer cells. <b>1998</b> , 13, 97-100  | 8   |
| 1335 | Evidence for tight coupling of gonadotropin-releasing hormone receptor to stimulated Fas ligand expression in reproductive tract tumors: possible mechanism for hormonal control of apoptotic cell death. <b>1998</b> , 83, 427-31 | 47  |
| 1334 | The insulin-like growth factor-I receptor: Implications for the aging process. <b>1998</b> , 1, 67-72  |     |
| 1333 | Apoptosis in the early human placental bed and its discrimination from necrosis using the in-situ DNA ligation technique. <b>1998</b> , 13, 3511-9   | 19  |
| 1332 | Protection against lipoapoptosis of beta cells through leptin-dependent maintenance of Bcl-2 expression. <b>1998</b> , 95, 9558-61   | 186 |
| 1331 | Ribozyme-mediated inhibition of caspase-12 activity reduces apoptosis induced by endoplasmic reticulum stress in primary mouse hepatocytes. <b>1998</b> , 22, 717  |     |
| 1330 | Drug resistance of human glioblastoma cells conferred by a tumor-specific mutant epidermal growth factor receptor through modulation of Bcl-XL and caspase-3-like proteases. <b>1998</b> , 95, 5724-9                              | 295 |
| 1329 | Molecular and cellular mechanisms of T lymphocyte apoptosis. <b>1998</b> , 68, 51-144  | 54  |
| 1328 | Molecular regulation of neuronal apoptosis. <b>1998</b> , 39, 187-213  | 50  |
| 1327 | Apoptosis. <b>1998</b> , 220-227   |     |

|      |  |     |
|------|--|-----|
| 1326 | Ambient temperature regulation of apoptosis in brown adipose tissue. Erk1/2 promotes norepinephrine-dependent cell survival. <b>1998</b> , 273, 30147-56   | 80  |
| 1325 | The AD1 and AD2 transactivation domains of E2A are essential for the antiapoptotic activity of the chimeric oncoprotein E2A-HLF. <b>1998</b> , 18, 6035-43   | 35  |
| 1324 | Involvement of microtubules in the regulation of Bcl2 phosphorylation and apoptosis through cyclic AMP-dependent protein kinase. <b>1998</b> , 18, 3509-17   | 332 |
| 1323 | Apoptosis after traumatic human spinal cord injury. <b>1998</b> , 5, E1  | 1   |
| 1322 | The appetite suppressant d-fenfluramine induces apoptosis in human serotonergic cells. <b>1998</b> , 9, 2989-93  | 21  |
| 1321 | Effect of combination antiretroviral therapy upon rectal mucosal HIV RNA burden and mononuclear cell apoptosis. <b>1998</b> , 12, 597-604  | 63  |
| 1320 | Cellular Proliferation in the Placenta in Normal Human Pregnancy and Pregnancy Complicated by Intrauterine Growth Restriction. <b>1998</b> , 5, 317-323  | 5   |
| 1319 | Tyrosine kinase-dependent activation of a chloride channel in CD95-induced apoptosis in T lymphocytes. <b>1998</b> , 95, 6169-74   | 186 |
| 1318 | A requirement for NF-kappaB activation in Bcr-Abl-mediated transformation. <b>1998</b> , 12, 968-81  | 306 |
| 1317 | Membrane depolarization and depletion of intracellular calcium stores are associated with delay of apoptosis in human neutrophils. <b>1998</b> , 64, 759-66  | 13  |
| 1316 | ARC, an inhibitor of apoptosis expressed in skeletal muscle and heart that interacts selectively with caspases. <b>1998</b> , 95, 5156-60  | 300 |
| 1315 | Bcl-XL interacts with Apaf-1 and inhibits Apaf-1-dependent caspase-9 activation. <b>1998</b> , 95, 4386-91   | 478 |
| 1314 | mcl-1 is an immediate-early gene activated by the granulocyte-macrophage colony-stimulating factor (GM-CSF) signaling pathway and is one component of the GM-CSF viability response. <b>1998</b> , 18, 4883-98 | 172 |
| 1313 | Stress-induced Fas ligand expression in T cells is mediated through a MEK kinase 1-regulated response element in the Fas ligand promoter. <b>1998</b> , 18, 5414-24  | 179 |
| 1312 | Patterns of pancreatic cell death: apoptosis versus oncosis. <b>1998</b> , 17, 281-8   | 14  |
| 1311 | Drug-induced neuroprotection from global ischemia is associated with prevention of persistent but not transient activation of nuclear factor-kappaB in rats. <b>1998</b> , 29, 677-82                          | 113 |
| 1310 | Human IAP-like protein regulates programmed cell death downstream of Bcl-xL and cytochrome c. <b>1998</b> , 18, 608-15   | 194 |
| 1309 | ZIP kinase, a novel serine/threonine kinase which mediates apoptosis. <b>1998</b> , 18, 1642-51  | 197 |



|      |   |     |
|------|---|-----|
| 1308 | Essential contribution of caspase 3/CPP32 to apoptosis and its associated nuclear changes. <b>1998</b> , 12, 806-19   | 662 |
| 1307 | Caspase-3 controls both cytoplasmic and nuclear events associated with Fas-mediated apoptosis in vivo. <b>1998</b> , 95, 13618-23   | 207 |
| 1306 | Glutamate induced cell death: apoptosis or necrosis?. <b>1998</b> , 116, 265-72   | 28  |
| 1305 | In vivo detection and imaging of phosphatidylserine expression during programmed cell death. <b>1998</b> , 95, 6349-54  | 477 |
| 1304 | The role of caspases in apoptosis. <b>1998</b> , 62, 107-28   | 18  |
| 1303 | Apoptosis, matters of life and death. <b>1998</b> , 112, 822-6  | 3   |
| 1302 | Serum levels of Fas/Apo-1 and Bcl-2 in children with HIV-1 infection. <b>1998</b> , 30, 565-8   | 6   |
| 1301 | Apoptosis of Human Neuroblastoma Cells Induced by Liposome-Encapsulated Fenretinide. <b>1998</b> , 8, 401-423   | 12  |
| 1300 | Compression-induced degeneration of the intervertebral disc: an in vivo mouse model and finite-element study. <b>1998</b> , 23, 2493-506                                    | 319 |
| 1299 | Hydrogen peroxide-induced motoneuron apoptosis is prevented by poly ADP ribosyl synthetase inhibitors. <b>1998</b> , 9, 1835-8  | 33  |
| 1298 | Central nervous system DNA fragmentation induced by the inhibition of nuclear factor kappa B. <b>1998</b> , 9, 489-93   | 59  |
| 1297 | Oxidized lipoproteins activate NF-kappaB binding activity and apoptosis in PC12 cells. <b>1998</b> , 9, 527-32  | 72  |
| 1296 | Phosphorylation and activation of p70 S6 kinase by manganese in PC12 cells. <b>1998</b> , 9, 3037-40  | 7   |
| 1295 | Biochemical evidence for autocrine/paracrine regulation of apoptosis in cultured uterine epithelial cells during mouse embryo implantation in vitro. <b>1998</b> , 4, 990-8 | 47  |
| 1294 | Inhibition of apoptosis: potential clinical targets. <b>1998</b> , 3, 317-333   | 2   |
| 1293 | Molecular Mechanisms of Cell Death Induction by Nedaplatin in Human Tumor Cell Lines. <b>1998</b> , 10, 129-140   |     |
| 1292 | Spaceflight alters microtubules and increases apoptosis in human lymphocytes (Jurkat). <b>1998</b> , 12, 1007-18  | 222 |
| 1291 | A cell surface receptor defined by a mAb mediates a unique type of cell death similar to oncosis. <b>1998</b> , 95, 6290-5  | 60  |

|      |  |     |
|------|--|-----|
| 1290 | Tau cleavage and dephosphorylation in cerebellar granule neurons undergoing apoptosis. <b>1998</b> , 18, 7061-74   | 212 |
| 1289 | Fas gene polymorphisms are not associated with systemic lupus erythematosus, multiple sclerosis and HIV infection. <b>1998</b> , 13, 221-5   | 18  |
| 1288 | Negative Control of Cell Proliferation. Growth Arrest versus Apoptosis. Role of p53. <b>1998</b> , 1, 169-173  | 5   |
| 1287 | Increased sensitivity to mitochondrial toxin-induced apoptosis in neural cells expressing mutant presenilin-1 is linked to perturbed calcium homeostasis and enhanced oxyradical production. <b>1998</b> , 18, 4439-50 | 197 |
| 1286 | Nitric oxide and its congeners in mitochondria: implications for apoptosis. <b>1998</b> , 106 Suppl 5, 1125-30   | 17  |
| 1285 | Apoptotic Regulation in Primitive Hematopoietic Precursors. <b>1998</b> , 92, 2041-2052  | 78  |
| 1284 | Role of Calcium in Glucocorticosteroid-Induced Apoptosis of Thymocytes and Lymphoma Cells: Resurrection of Old Theories by New Findings. <b>1998</b> , 91, 731-734   | 63  |
| 1283 | Hematopoietic Malignancies Demonstrate Loss-of-Function Mutations of BAX. <b>1998</b> , 91, 2991-2997  | 246 |
| 1282 | Expression of Apoptosis-Regulating Proteins in Chronic Lymphocytic Leukemia: Correlations With In Vitro and In Vivo Chemoresponses. <b>1998</b> , 91, 3379-3389  | 577 |
| 1281 | Triggering of CD40 Antigen Inhibits Fludarabine-Induced Apoptosis in B Chronic Lymphocytic Leukemia Cells. <b>1998</b> , 92, 990-995   | 120 |
| 1280 | The Chimeric E2A-HLF Transcription Factor Abrogates p53-Induced Apoptosis in Myeloid Leukemia Cells. <b>1998</b> , 92, 1397-1405   | 34  |
| 1279 | Activated Endothelial Cells Induce Apoptosis in Leukemic Cells by Endothelial Interleukin-8. <b>1998</b> , 92, 2672-2680   | 36  |
| 1278 | Resistance to Cytotoxic Chemotherapy Induced by CD40 Ligand in Lymphoma Cells. <b>1998</b> , 92, 3381-3387   | 45  |
| 1277 | Apoptosis. <b>1998</b> , 159-188   | 1   |
| 1276 | CD4+ T-cell-mediated cytotoxicity against staphylococcal enterotoxin B-pulsed synovial cells. <b>1998</b> , 95, 38-46  | 4   |
| 1275 | Tumor necrosis factor in the heart. <b>1998</b> , 274, R577-95   | 276 |
| 1274 | Overexpression in neurons of human presenilin-1 or a presenilin-1 familial Alzheimer disease mutant does not enhance apoptosis. <b>1998</b> , 18, 9790-9   | 104 |
| 1273 | Inhibition of aberrant proliferation and induction of apoptosis in pre-neoplastic human mammary epithelial cells by natural phytochemicals. <b>1998</b> , 5, 311-5   | 45  |

|      |  |     |
|------|--|-----|
| 1272 | Peroxynitrite induces apoptosis of HL-60 cells by activation of a caspase-3 family protease. <b>1998</b> , 274, C855-60  | 72  |
| 1271 | Cellular Effects of Elevated Glucose Concentrations and Diabetic Retinopathy. <b>1998</b> , 14, 105-112  | 1   |
| 1270 | Inhibition of CPP32-like proteases rescues axotomized retinal ganglion cells from secondary cell death in vivo. <b>1998</b> , 18, 4656-62  | 236 |
| 1269 | Programmed cell death induced by ischemia-reperfusion in rat intestinal mucosa. <b>1998</b> , 274, G270-6  | 81  |
| 1268 | Nitric oxide and peroxynitrite-mediated pulmonary cell death. <b>1998</b> , 274, L112-8  | 29  |
| 1267 | Mechanism of extracellular ATP- and adenosine-induced apoptosis of cultured pulmonary artery endothelial cells. <b>1998</b> , 275, L379-88   | 26  |
| 1266 | Sphingosine kinase mediates cyclic AMP suppression of apoptosis in rat periosteal cells. <b>1998</b> , 54, 70-7  | 51  |
| 1265 | Resistance of pleural mesothelioma cell lines to apoptosis: relation to expression of Bcl-2 and Bax. <b>1998</b> , 275, L165-71  | 33  |
| 1264 | Mechanisms involved in the protective effect of estradiol-17beta on lipid peroxidation and DNA damage. <b>1998</b> , 274, E1002-8  | 43  |
| 1263 | Staurosporine-induced apoptosis of cultured rat hippocampal neurons involves caspase-1-like proteases as upstream initiators and increased production of superoxide as a main downstream effector. <b>1998</b> , 18, 8186-97         | 154 |
| 1262 | Monochloramine induced DNA fragmentation in gastric cell line MKN45. <b>1998</b> , 275, G712-6   | 19  |
| 1261 | Up-regulation of a serine protease inhibitor in astrocytes mediates the neuroprotective activity of transforming growth factor $\beta$ . <b>1998</b> , 12, 1683-1691   | 104 |
| 1260 | Pulmonary apoptosis in aged and oxygen-tolerant rats exposed to hyperoxia. <b>1998</b> , 275, L14-20   | 26  |
| 1259 | Graded ATP depletion can cause necrosis or apoptosis of cultured mouse proximal tubular cells. <b>1998</b> , 274, F315-27  | 165 |
| 1258 | Bax involvement in p53-mediated neuronal cell death. <b>1998</b> , 18, 1363-73   | 300 |
| 1257 | Abnormal DNA methylation and deoxycytosine-deoxyguanine content in nucleosomes from lymphocytes undergoing apoptosis. <b>1999</b> , 13, 1415-22  | 51  |
| 1256 | Bax-dependent caspase-3 activation is a key determinant in p53-induced apoptosis in neurons. <b>1999</b> , 19, 7860-9  | 325 |
| 1255 | Choline deficiency-induced apoptosis in PC12 cells is associated with diminished membrane phosphatidylcholine and sphingomyelin, accumulation of ceramide and diacylglycerol, and activation of a caspase. <b>1999</b> , 13, 135-142 | 134 |

- 1254 Induction of apoptosis in cancer cells by tumor necrosis factor and butyrolactone, an inhibitor of cyclin-dependent kinases. **1999**, 32, 473-82 2
- 1253 LYSOSOMAL LEAKAGE CAUSES APOPTOSIS FOLLOWING OXIDATIVE STRESS, GROWTH-FACTOR STARVATION AND FAS-ACTIVATION. **1999**, 57-66
- 1252 Life and death in otolaryngology: mechanisms of apoptosis and its role in the pathology and treatment of disease. **1999**, 125, 729-37 8
- 1251 Apoptosis in parasites and parasite-induced apoptosis in the host immune system: a new approach to parasitic diseases. **1999**, 32, 395-401 63
- 1250 Increases in Bcl-2 and cleavage of caspase-1 and caspase-3 in human brain after head injury. **1999**, 13, 813-21 231
- 1249 CNS wound healing is severely depressed in metallothionein I- and II-deficient mice. **1999**, 19, 2535-45 138
- 1248 Sustained JNK activation induces endothelial apoptosis: studies with colchicine and shear stress. **1999**, 277, H1593-9 29
- 1247 Death deflected: IL-15 inhibits TNF-alpha-mediated apoptosis in fibroblasts by TRAF2 recruitment to the IL-15Ralpha chain. **1999**, 13, 1575-85 136
- 1246 Seizure-induced cell death produced by repeated tetanic stimulation in vitro: possible role of endoplasmic reticulum calcium stores. **1999**, 81, 3054-64 46
- 1245 Nitric oxide triggers programmed cell death (apoptosis) of adult rat ventricular myocytes in culture. **1999**, 277, H1189-99 21
- 1244 Hepatocyte growth factor promotes renal epithelial cell survival by dual mechanisms. **1999**, 277, F624-33 55
- 1243 Tumor Markers of Radiation Sensitivity. **1999**, 6, 385-392 2
- 1242 Ceramide induces cytochrome c release from isolated mitochondria. **1999**, 66, 27-31 32
- 1241 Nitric oxide induces tyrosine nitration and release of cytochrome c preceding an increase of mitochondrial transmembrane potential in macrophages. **1999**, 13, 2311-7 118
- 1240 Galectin-1, an alternative signal for T cell death, is increased in activated macrophages. **1999**, 32, 557-67 12
- 1239 Role of the Bcl-2 gene family in prostate cancer progression and its implications for therapeutic intervention. **1999**, 107 Suppl 1, 49-57 40
- 1238 Lack of internucleosomal DNA fragmentation is related to Cl(-) efflux impairment in hematopoietic cell apoptosis. **1999**, 13, 1711-23 42
- 1237 Dietary compounds that induce cancer preventive phase 2 enzymes activate apoptosis at comparable doses in HT29 colon carcinoma cells. **1999**, 129, 1827-35 53

|      |   |     |
|------|---|-----|
| 1236 | Magnetic fields increase cell survival by inhibiting apoptosis via modulation of Ca <sup>2+</sup> influx. <b>1999</b> , 13, 95-102  | 181 |
| 1235 | Critical evaluation of techniques to detect and measure cell death--study in a model of UV radiation of the leukaemic cell line HL60. <b>1999</b> , 19, 139-51                                    | 146 |
| 1234 | Cold-induced apoptosis in cultured hepatocytes and liver endothelial cells: mediation by reactive oxygen species. <b>1999</b> , 13, 155-68  | 267 |
| 1233 | Immunohistochemical Study on Apoptosis and Cell Proliferation in the Lining Epithelium of Thyroglossal Duct Cysts.. <b>1999</b> , 4, 47-54  | 1   |
| 1232 | The Non-Uniform Spatial Development of a Micrometastasis. <b>1999</b> , 2, 55-71  | 3   |
| 1231 | Loss of NF- $\kappa$ B Activity during Cerebral Ischemia and TNF Cytotoxicity. <b>1999</b> , 5, 372-381   | 53  |
| 1230 | Non-Inflammatory&sol;Anti-Inflammatory CD14 Responses: CD14 in Apoptosis. <b>1999</b> , 74, 122-140   | 8   |
| 1229 | Apoptosis in Vascular Disease. <b>1999</b> , 82, 727-735  | 36  |
| 1228 | The regulation of apoptosis in the rheumatic disorders. <b>1999</b> , 183-202   |     |
| 1227 | Mitochondrial depolarization is not required for neuronal apoptosis. <b>1999</b> , 19, 7394-404   | 180 |
| 1226 | Nitric oxide protects PC12 cells from serum deprivation-induced apoptosis by cGMP-dependent inhibition of caspase signaling. <b>1999</b> , 19, 6740-7   | 197 |
| 1225 | Epstein-Barr virus encodes a novel homolog of the bcl-2 oncogene that inhibits apoptosis and associates with Bax and Bak. <b>1999</b> , 73, 5181-5  | 141 |
| 1224 | Elevated Levels of Circulating Procoagulant Microparticles in Patients With Paroxysmal Nocturnal Hemoglobinuria and Aplastic Anemia. <b>1999</b> , 93, 3451-3456                                  | 245 |
| 1223 | Nitric OxideInduced Apoptosis in Human Leukemic Lines Requires Mitochondrial Lipid Degradation and Cytochrome C Release. <b>1999</b> , 93, 2342-2352  | 135 |
| 1222 | Myeloma Cells Selected for Resistance to CD95-Mediated Apoptosis Are Not Cross-Resistant to Cytotoxic Drugs: Evidence for Independent Mechanisms of Caspase Activation. <b>1999</b> , 94, 265-274 | 53  |
| 1221 | Spontaneous Apoptosis in Lymphocytes From Patients With Wiskott-Aldrich Syndrome: Correlation of Accelerated Cell Death and Attenuated Bcl-2 Expression. <b>1999</b> , 94, 3872-3882              | 57  |
| 1220 | Phorbol ester facilitates apoptosis in murine fibroblasts pretreated by mild ultraviolet radiation. <b>1999</b> , 126, 340-6  | 10  |
| 1219 | Apoptosis induced by propolis in human hepatocellular carcinoma cell line. <b>1999</b> , 4, 29-32   | 14  |

|      |   |     |
|------|---|-----|
| 1218 | Selectivity of TRAIL-mediated apoptosis of cancer cells and synergy with drugs: the trail to non-toxic cancer therapeutics (review). <b>1999</b> , 15, 793-802              | 32  |
| 1217 | Modulation of fas-mediated apoptosis in osteosarcoma cell lines. <b>1999</b> , 15, 1125-31  | 2   |
| 1216 | Pentoxifylline inhibits anti-Fas antibody-induced hepatitis by affecting downstream of CPP32-like activity in mice. <b>1999</b> , 4, 601-3                                  | 5   |
| 1215 | Functional Fas ligand expression in thyrocytes from patients with Graves' disease. <b>1999</b> , 84, 2896-902   | 25  |
| 1214 | From PTK-STAT signaling to caspase expression and apoptosis induction. <b>1999</b> , 6, 1201-8  | 30  |
| 1213 | Prolactin is a survival factor for androgen-deprived rat dorsal and lateral prostate epithelium in organ culture. <b>1999</b> , 140, 5412-21                                | 78  |
| 1212 | Fas-Mediated apoptosis is inhibited by TSH and iodine in moderate concentrations in primary human thyrocytes in vitro. <b>1999</b> , 31, 355-8                              | 21  |
| 1211 | Androgens down-regulate bcl-2 protooncogene expression in ZR-75-1 human breast cancer cells. <b>1999</b> , 140, 416-21  | 67  |
| 1210 | Apoptotic proteolytic cleavage of the presenilins by caspases. <b>2000</b> , 32, 309-16   | 1   |
| 1209 | HGF-mediated apoptosis via p53/bax-independent pathway activating JNK1. <b>1999</b> , 20, 583-90  | 45  |
| 1208 | Communication: expression of the novel inhibitor of apoptosis survivin in normal and neoplastic skin. <b>1999</b> , 113, 415-8  | 93  |
| 1207 | IkappaBalpha gene transfer is cytotoxic to squamous-cell lung cancer cells and sensitizes them to tumor necrosis factor-alpha-mediated cell death. <b>1999</b> , 21, 238-45 | 40  |
| 1206 | Role of Hsp27 and Related Proteins. <b>1999</b> , 101-132   | 19  |
| 1205 | Alterations of SAG mRNA in human cancer cell lines: requirement for the RING finger domain for apoptosis protection. <b>1999</b> , 20, 1899-903                             | 30  |
| 1204 | Nitric oxide suppresses apoptosis via interrupting caspase activation and mitochondrial dysfunction in cultured hepatocytes. <b>1999</b> , 274, 17325-33                    | 204 |
| 1203 | Apoptosis. Basic concepts and implications in coronary artery disease. <b>1999</b> , 19, 14-22  | 105 |
| 1202 | The intracellular parasite Theileria parva protects infected T cells from apoptosis. <b>1999</b> , 96, 7312-7   | 73  |
| 1201 | Bcl-2 and caspase inhibition cooperate to inhibit tumor necrosis factor-alpha-induced cell death in a Bcl-2 cleavage-independent fashion. <b>1999</b> , 274, 18552-8        | 35  |

|      |   |     |
|------|---|-----|
| 1200 | Down-regulation of tumor necrosis factor alpha expression by activating transcription factor 2 increases UVC-induced apoptosis of late-stage melanoma cells. <b>1999</b> , 274, 14079-89                                  | 39  |
| 1199 | Human right and left colon differ in epithelial cell apoptosis and in expression of Bak, a pro-apoptotic Bcl-2 homologue. <b>1999</b> , 45, 45-50   | 42  |
| 1198 | TRAIL death pathway expression and induction in thyroid follicular cells. <b>1999</b> , 274, 23627-32   | 62  |
| 1197 | Effects of environmental estrogens on tumor necrosis factor alpha-mediated apoptosis in MCF-7 cells. <b>1999</b> , 20, 2057-61  | 63  |
| 1196 | Increased susceptibility of thymocytes to apoptosis in mice lacking AIM, a novel murine macrophage-derived soluble factor belonging to the scavenger receptor cysteine-rich domain superfamily. <b>1999</b> , 189, 413-22 | 135 |
| 1195 | Cascades of mammalian caspase activation in the yeast <i>Saccharomyces cerevisiae</i> . <b>1999</b> , 274, 3189-98  | 67  |
| 1194 | Inflammatory cytokine regulation of Fas-mediated apoptosis in thyroid follicular cells. <b>1999</b> , 274, 25433-8  | 58  |
| 1193 | Tumor content of the antiapoptosis molecule survivin and recurrence of bladder cancer. <b>1999</b> , 341, 452-3   | 255 |
| 1192 | Altered cytochrome c display precedes apoptotic cell death in <i>Drosophila</i> . <b>1999</b> , 144, 701-10   | 121 |
| 1191 | Glucose uptake and glycolysis reduce hypoxia-induced apoptosis in cultured neonatal rat cardiac myocytes. <b>1999</b> , 274, 12567-75   | 174 |
| 1190 | Caspase-6 role in apoptosis of human neurons, amyloidogenesis, and Alzheimer's disease. <b>1999</b> , 274, 23426-36   | 211 |
| 1189 | Endogenous endothelial cell nitric-oxide synthase modulates apoptosis in cultured breast cancer cells and is transcriptionally regulated by p53. <b>1999</b> , 274, 37679-84  | 58  |
| 1188 | Caspase cleaved BID targets mitochondria and is required for cytochrome c release, while BCL-XL prevents this release but not tumor necrosis factor-R1/Fas death. <b>1999</b> , 274, 1156-63                              | 816 |
| 1187 | Caspase-mediated cleavage of DNA topoisomerase I at unconventional sites during apoptosis. <b>1999</b> , 274, 4335-40   | 87  |
| 1186 | DNA fragmentation factor 45-deficient cells are more resistant to apoptosis and exhibit different dying morphology than wild-type control cells. <b>1999</b> , 274, 37450-4   | 63  |
| 1185 | ECell Dysfunction and Death. <b>1999</b> , 29, 47-73  | 2   |
| 1184 | Drug-induced apoptosis and p53, BCL-2 and BAX expression in breast cancer tissues in vivo and in fibroblast cells in vitro. <b>1999</b> , 29, 323-31  | 23  |
| 1183 | Apoptosis. <b>1999</b> , 217-236  | 101 |

|      |   |     |
|------|---|-----|
| 1182 | bcl-x prevents apoptotic cell death of both primitive and definitive erythrocytes at the end of maturation. <b>1999</b> , 189, 1691-8   | 117 |
| 1181 | Fragmentation and death (a.k.a. apoptosis) of ovulated oocytes. <b>1999</b> , 5, 414-20   | 128 |
| 1180 | Effects of N-6 essential fatty acids on glioma invasion and growth: experimental studies with glioma spheroids in collagen gels. <b>1999</b> , 91, 989-96   | 30  |
| 1179 | The inhibitor of death receptor signaling, FLICE-inhibitory protein defines a new class of tumor progression factors. <b>1999</b> , 190, 1025-32  | 360 |
| 1178 | Bruton's tyrosine kinase as an inhibitor of the Fas/CD95 death-inducing signaling complex. <b>1999</b> , 274, 1646-56   | 94  |
| 1177 | Apoptosis during regression of cardiac hypertrophy in spontaneously hypertensive rats. Temporal regulation and spatial heterogeneity. <b>1999</b> , 34, 229-35  | 64  |
| 1176 | Effects of thyroid hormones on apoptotic cell death of human lymphocytes. <b>1999</b> , 84, 1378-85   | 53  |
| 1175 | Cloning, expression, and mapping of PDCD9, the human homolog of Gallus gallus pro-apoptotic protein p52. <b>1999</b> , 87, 85-8   | 16  |
| 1174 | Apoptosis and overexpression of bax protein and bax mRNA in smooth muscle cells within intimal hyperplasia of human radial arteries : analysis with arteriovenous fistulas used for hemodialysis. <b>1999</b> , 19, 2066-77 | 24  |
| 1173 | Effect of retinoids on AOM-induced colon cancer in rats: modulation of cell proliferation, apoptosis and aberrant crypt foci. <b>1999</b> , 20, 255-60  | 79  |
| 1172 | Solution structure of Apaf-1 CARD and its interaction with caspase-9 CARD: a structural basis for specific adaptor/caspase interaction. <b>1999</b> , 96, 11265-70  | 127 |
| 1171 | Decreased intracellular superoxide levels activate Sindbis virus-induced apoptosis. <b>1999</b> , 274, 13650-5  | 27  |
| 1170 | Neuroprotection by brain-derived neurotrophic factor is mediated by extracellular signal-regulated kinase and phosphatidylinositol 3-kinase. <b>1999</b> , 274, 22569-80  | 458 |
| 1169 | 12-O-tetradecanoylphorbol-13-acetate-induced apoptosis is mediated by tumor necrosis factor alpha in human monocytic U937 cells. <b>1999</b> , 274, 28286-92  | 24  |
| 1168 | The cell death-promoting gene DP5, which interacts with the BCL2 family, is induced during neuronal apoptosis following exposure to amyloid beta protein. <b>1999</b> , 274, 7975-81  | 76  |
| 1167 | DAP kinase and DAP-3: novel positive mediators of apoptosis. <b>1999</b> , 58 Suppl 1, 114-9  | 12  |
| 1166 | Interleukin 1 and interleukin 1beta converting enzyme (caspase 1) expression in the human colonic epithelial barrier. Caspase 1 downregulation in colon cancer. <b>1999</b> , 45, 246-51                                    | 53  |
| 1165 | Assignment of apoptotic protease activating factor-1 gene (APAF1) to human chromosome band 12q23 by fluorescence in situ hybridization. <b>1999</b> , 87, 252-3   | 3   |



|      |   |     |
|------|---|-----|
| 1164 | In vivo study of AT(1) and AT(2) angiotensin receptors in apoptosis in rat blood vessels. <b>1999</b> , 34, 617-24                      | 86  |
| 1163 | Molecular heterogeneity and regulation of poly(ADP-ribose) glycohydrolase. <b>1999</b> , 75-81  | 2   |
| 1162 | Emerging therapeutic targets in caspase-dependent disease. <b>1999</b> , 3, 391-411   | 11  |
| 1161 | Emerging therapeutic strategies in autoimmune diabetes: aetiology, prediction, prevention and cure. <b>1999</b> , 3, 177-193            |     |
| 1160 | Signaling by tumor necrosis factor receptors: pathways, paradigms and targets for therapeutic modulation. <b>1999</b> , 18, 405-27      | 16  |
| 1159 | The emerging role of the interferon-induced PKR protein kinase as an apoptotic effector: a new face of death?. <b>1999</b> , 19, 543-54 | 91  |
| 1158 | Helicobacter pylori induces apoptosis in gastric mucosa through an upregulation of Bax expression in humans. <b>1999</b> , 34, 375-83   | 60  |
| 1157 | A fatal relationship--influenza virus interactions with the host cell. <b>1999</b> , 12, 175-96   | 55  |
| 1156 | Involvement of oxidative DNA damage and apoptosis in antitumor actions of aminosugars. <b>1999</b> , 31, 389-403                        | 22  |
| 1155 | The baculovirus antiapoptotic p35 gene also functions via an oxidant-dependent pathway. <b>1999</b> , 96, 4838-43                       | 49  |
| 1154 | Bcl-2 family members do not inhibit apoptosis by binding the caspase activator Apaf-1. <b>1999</b> , 96, 9683-8                         | 134 |
| 1153 | Alternative Splicing and Programmed Cell Death. <b>1999</b> , 220, 64-72  | 73  |
| 1152 | Expression of a murine homologue of the inhibitor of apoptosis protein is related to cell proliferation. <b>1999</b> , 96, 1457-62      | 222 |
| 1151 | Role of NF-kappaB in the apoptotic-resistant phenotype of keratinocytes. <b>1999</b> , 274, 37957-64                                    | 101 |
| 1150 | Male Reproductive Function. <b>1999</b> ,   |     |
| 1149 | Lymphocyte survival--the struggle against death. <b>1999</b> , 15, 113-40   | 40  |
| 1148 | Dietary factors in human colorectal cancer. <b>1999</b> , 19, 545-86  | 240 |
| 1147 | Gastric cellular turnover and the development of atrophy after 31 years of follow-up: a case-control study. <b>1999</b> , 94, 2109-14   | 15  |

|      |   |     |
|------|---|-----|
| 1146 | Sequential activation of caspase-1 and caspase-3-like proteases during apoptosis in myelodysplastic syndromes. <b>1999</b> , 8, 343-56  | 26  |
| 1145 | Mechanisms of transcriptional activation of bcl-2 gene expression by 17beta-estradiol in breast cancer cells. <b>1999</b> , 274, 32099-107  | 198 |
| 1144 | Mitochondrial release of caspase-2 and -9 during the apoptotic process. <b>1999</b> , 189, 381-94   | 633 |
| 1143 | Role of apoptosis induced by Helicobacter pylori infection in the development of duodenal ulcer. <b>1999</b> , 44, 456-62   | 72  |
| 1142 | Characterization of FIM-FGFR1, the fusion product of the myeloproliferative disorder-associated t(8;13) translocation. <b>1999</b> , 274, 26922-30  | 55  |
| 1141 | NH2-terminal BH4 domain of Bcl-2 is functional for heterodimerization with Bax and inhibition of apoptosis. <b>1999</b> , 274, 20415-20   | 71  |
| 1140 | Wild-type but not Alzheimer-mutant amyloid precursor protein confers resistance against p53-mediated apoptosis. <b>1999</b> , 96, 7547-52   | 79  |
| 1139 | Deletion of the loop region of Bcl-2 completely blocks paclitaxel-induced apoptosis. <b>1999</b> , 96, 3775-80  | 298 |
| 1138 | Macrophage derived growth factors modulate Fas ligand expression in cultured endometrial stromal cells: a role in endometriosis. <b>1999</b> , 5, 642-50  | 78  |
| 1137 | Segregation of retinoic acid effects on fetal ovarian germ cell mitosis versus apoptosis by requirement for new macromolecular synthesis. <b>1999</b> , 140, 2696-703   | 66  |
| 1136 | Rational design and synthesis of a novel anti-leukemic agent targeting Bruton's tyrosine kinase (BTK), LFM-A13 [alpha-cyano-beta-hydroxy-beta-methyl-N-(2, 5-dibromophenyl)propenamide]. <b>1999</b> , 274, 9587-99 | 150 |
| 1135 | Apoptosis. <b>1999</b> , 17, 306-13   | 56  |
| 1134 | In vivo detection of apoptotic cell death: a necessary measurement for evaluating therapy for myocarditis, ischemia, and heart failure. <b>1999</b> , 6, 531-9  | 27  |
| 1133 | Fas expression prevents cholangiocarcinoma tumor growth. <b>1999</b> , 3, 374-81; discussion 382  | 11  |
| 1132 | Alpha-trifluoromethylated acylolins induce apoptosis in human oral tumor cell lines. <b>1999</b> , 9, 3113-8  | 22  |
| 1131 | Synthesis and apoptogenic activity of fluorinated ceramide and dihydroceramide analogues. <b>1999</b> , 9, 3159-64  | 24  |
| 1130 | Le concept d'apoptose. <b>1999</b> , 1999, 27-30  |     |
| 1129 | Analyse multiparamétrique de l'apoptose par cytométrie en flux. <b>1999</b> , 1999, 65-73   |     |

|      |  |     |
|------|--|-----|
| 1128 | The antioxidant EPC-K1 attenuates NO-induced mitochondrial dysfunction, lipid peroxidation and apoptosis in cerebellar granule cells. <b>1999</b> , 134, 117-26                | 25  |
| 1127 | Enhanced B cell survival in familial macroglobulinaemia is associated with increased expression of Bcl-2. <b>1999</b> , 117, 252-60  | 28  |
| 1126 | Nitrotyrosine immunoreactivity in gerbil hippocampal CA1 region after transient forebrain ischemia. <b>1999</b> , 19, 311-315  |     |
| 1125 | Poly(ADP ribose) polymerase cleavage precedes neuronal death in the hippocampus and cerebellum following injury to the developing rat forebrain. <b>1999</b> , 11, 91-100      | 53  |
| 1124 | ARNT2, a transcription factor for brain neuron survival?. <b>1999</b> , 11, 1545-53  | 21  |
| 1123 | Channels formed by subnanomolar concentrations of the toxin aerolysin trigger apoptosis of T lymphomas. <b>1999</b> , 1, 69-74   | 73  |
| 1122 | The role of CTLA-4 in the regulation of T cell immune responses. <b>1999</b> , 77, 1-10  | 175 |
| 1121 | Nerve growth factor protects human keratinocytes from ultraviolet-B-induced apoptosis. <b>1999</b> , 113, 920-7  | 36  |
| 1120 | Expression of apoptosis-associated genes by human dermal scar fibroblasts. <b>1999</b> , 7, 511-7  | 71  |
| 1119 | Dark is a Drosophila homologue of Apaf-1/CED-4 and functions in an evolutionarily conserved death pathway. <b>1999</b> , 1, 272-9  | 290 |
| 1118 | Structural basis of procaspase-9 recruitment by the apoptotic protease-activating factor 1. <b>1999</b> , 399, 549-57  | 363 |
| 1117 | Apoptosis. All's well that ends dead. <b>1999</b> , 400, 410-1   | 270 |
| 1116 | The business of research. <b>1999</b> , 400, 411-412   | 11  |
| 1115 | Apoptosis, the Role of Oxidative Stress and the Example of Solar UV Radiation. <b>1999</b> , 70, 380-390   | 131 |
| 1114 | <sup>1</sup> H MRS detects polyunsaturated fatty acid accumulation during gene therapy of glioma: implications for the in vivo detection of apoptosis. <b>1999</b> , 5, 1323-7 | 219 |
| 1113 | On the market. <b>1999</b> , 5, 1327-8   |     |
| 1112 | Activation of a Ca <sup>2+</sup> -permeable cation channel by two different inducers of apoptosis in a human prostatic cancer cell line. <b>1999</b> , 517 ( Pt 1), 95-107     | 38  |
| 1111 | Ethanol-Induced Apoptosis to Stable HepG2 Cell Lines Expressing Human Cytochrome P-450E1. <b>1999</b> , 23, 67-76  | 105 |

|      |   |      |
|------|---|------|
| 1110 | Chronic Ethanol-Initiated Apoptosis in Hepatocytes Is Induced by Changes in Membrane Biogenesis and Intracellular Transport. <b>1999</b> , 23, 334-343  | 13   |
| 1109 | Bcl-2 and p53: role in dopamine-induced apoptosis and differentiation. <b>1999</b> , 893, 372-5   | 28   |
| 1108 | Apoptosis: a two-edged sword in aging. <b>1999</b> , 887, 1-11  | 43   |
| 1107 | Tumor cells utilize multiple pathways to down-modulate apoptosis. Lessons from a mouse model of islet cell carcinogenesis. <b>1999</b> , 887, 150-63  | 32   |
| 1106 | Hyperoxia-induced cell death in the lung--the correlation of apoptosis, necrosis, and inflammation. <b>1999</b> , 887, 171-80   | 92   |
| 1105 | Calpeptin and methylprednisolone inhibit apoptosis in rat spinal cord injury. <b>1999</b> , 890, 261-9  | 56   |
| 1104 | Programmed cell death and the caspases. <b>1999</b> , 107, 73-9   | 39   |
| 1103 | Detection of apoptotic cells in human colorectal cancer by two different in situ methods: antibody against single-stranded DNA and terminal deoxynucleotidyl transferase-mediated dUTP-biotin nick end-labeling (TUNEL) methods. <b>1999</b> , 90, 188-93 | 96   |
| 1102 | A dual topoisomerase inhibitor, TAS-103, induces apoptosis in human cancer cells. <b>1999</b> , 90, 691-8   | 14   |
| 1101 | Antitumor effect on human gastric cancer and induction of apoptosis by vascular endothelial growth factor neutralizing antibody. <b>1999</b> , 90, 794-800  | 27   |
| 1100 | Apoptosis in hematopoietic cells (FL5.12) caused by interleukin-3 withdrawal: relationship to caspase activity and the loss of glutathione. <b>1999</b> , 6, 61-70  | 46   |
| 1099 | IL-2 deprivation triggers apoptosis which is mediated by c-Jun N-terminal kinase 1 activation and prevented by Bcl-2. <b>1999</b> , 6, 87-94  | 19   |
| 1098 | Emerging roles of caspase-3 in apoptosis. <b>1999</b> , 6, 99-104   | 2588 |
| 1097 | Selective inhibition of apoptosis by TPA-induced differentiation of U937 leukemic cells. <b>1999</b> , 6, 351-61  | 46   |
| 1096 | The role of the ubiquitin-proteasome pathway in apoptosis. <b>1999</b> , 6, 303-13  | 326  |
| 1095 | Induction of apoptosis by all-trans retinoic acid in the human myeloma cell line RPMI 8226 and negative regulation of some of its typical morphological features by dexamethasone. <b>1999</b> , 6, 433-44  | 13   |
| 1094 | Apoptosis without caspases: an inefficient molecular guillotine?. <b>1999</b> , 6, 497-507  | 221  |
| 1093 | Caspase-independent programmed cell death with necrotic morphology. <b>1999</b> , 6, 508-15   | 339  |

|      |  |      |
|------|--|------|
| 1092 | Ceramide-induced apoptosis occurs independently of caspases and is decreased by leupeptin. <b>1999</b> , 6, 788-95   | 37   |
| 1091 | Identification of NRF2, a member of the NF-E2 family of transcription factors, as a substrate for caspase-3(-like) proteases. <b>1999</b> , 6, 865-72  | 47   |
| 1090 | The proteolytic procaspase activation network: an in vitro analysis. <b>1999</b> , 6, 1117-24  | 170  |
| 1089 | Caspase structure, proteolytic substrates, and function during apoptotic cell death. <b>1999</b> , 6, 1028-42  | 1274 |
| 1088 | Apoptin: nuclear switch triggers cancer cell death. <b>1999</b> , 6, 713-4   | 3    |
| 1087 | Signal transduction, cell cycle regulatory, and anti-apoptotic pathways regulated by IL-3 in hematopoietic cells: possible sites for intervention with anti-neoplastic drugs. <b>1999</b> , 13, 1109-66                | 152  |
| 1086 | Clinical significance of CD95, Bcl-2 and Bax expression and CD95 function in adult de novo acute myeloid leukemia in context of P-glycoprotein function, maturation stage, and cytogenetics. <b>1999</b> , 13, 1943-53 | 65   |
| 1085 | ASK1 mediates apoptotic cell death induced by genotoxic stress. <b>1999</b> , 18, 173-80   | 158  |
| 1084 | Differential involvement of the CD95 (Fas/APO-1) receptor/ligand system on apoptosis induced by the wild-type p53 gene transfer in human cancer cells. <b>1999</b> , 18, 2189-99                                       | 65   |
| 1083 | Lonidamine triggers apoptosis via a direct, Bcl-2-inhibited effect on the mitochondrial permeability transition pore. <b>1999</b> , 18, 2537-46  | 174  |
| 1082 | Apoptosis induced by the myelodysplastic syndrome-associated NPM-MLF1 chimeric protein. <b>1999</b> , 18, 3716-24  | 27   |
| 1081 | Bcl-2/E1B 19 kDa-interacting protein 3-like protein (Bnip3L) interacts with bcl-2/Bcl-xL and induces apoptosis by altering mitochondrial membrane permeability. <b>1999</b> , 18, 4523-9                               | 129  |
| 1080 | A role of cyclin G in the process of apoptosis. <b>1999</b> , 18, 4606-15  | 100  |
| 1079 | PED/PEA-15: an anti-apoptotic molecule that regulates FAS/TNFR1-induced apoptosis. <b>1999</b> , 18, 4409-15   | 146  |
| 1078 | Cloning and characterization of the human BAG-1 gene promoter: upregulation by tumor-derived p53 mutants. <b>1999</b> , 18, 4546-53  | 51   |
| 1077 | A p53 and apoptotic independent role for p21waf1 in tumour response to radiation therapy. <b>1999</b> , 18, 6540-5   | 49   |
| 1076 | Caspase-mediated cleavage and functional changes of hematopoietic progenitor kinase 1 (HPK1). <b>1999</b> , 18, 7370-7   | 65   |
| 1075 | Dual mechanism of daunorubicin-induced cell death in both sensitive and MDR-resistant HL-60 cells. <b>1999</b> , 79, 1090-7  | 24   |

|      |  |     |
|------|--|-----|
| 1074 | Inhibition of proliferation and induction of apoptosis in soft tissue sarcoma cells by interferon-alpha and retinoids. <b>1999</b> , 80, 1350-8  | 30  |
| 1073 | Inhibition of nuclear factor kappa B and induction of apoptosis in T-lymphocytes by sulfasalazine. <b>1999</b> , 128, 1361-9   | 69  |
| 1072 | Altered expression levels of SEF-2 and p112 in the rat hippocampus after transient cerebral ischemia: identification by mRNA differential display. <b>1999</b> , 19, 435-42                        | 9   |
| 1071 | Excitotoxins in neuronal apoptosis and necrosis. <b>1999</b> , 19, 583-91  | 129 |
| 1070 | Ethanol-induced apoptosis in vitro. <b>1999</b> , 32, 547-55   | 39  |
| 1069 | U937 cells overexpressing bcl-xl are resistant to human immunodeficiency virus-1-induced apoptosis and human immunodeficiency virus-1 replication. <b>1999</b> , 256, 1-7                          | 17  |
| 1068 | Induction of CD95 (Fas) and apoptosis in respiratory epithelial cell cultures following respiratory syncytial virus infection. <b>1999</b> , 257, 198-207  | 44  |
| 1067 | Effects of cigarette smoking on Fas/Fas ligand expression of human lymphocytes. <b>1999</b> , 192, 48-53   | 45  |
| 1066 | Primary ovarian cancer cultures are resistant to Fas-mediated apoptosis. <b>1999</b> , 74, 265-71  | 38  |
| 1065 | Role of endothelial cell survival and death signals in angiogenesis. <b>1999</b> , 3, 101-16   | 45  |
| 1064 | Cytokines as suppressors of apoptosis. <b>1999</b> , 4, 187-96   | 31  |
| 1063 | Induction and alternative splicing of the Bax gene mediated by p53 in a transformed endothelial cell line. <b>1999</b> , 4, 109-14   | 4   |
| 1062 | Combined use of radioimagers and radioactive 3'OH DNA nick end labelling to quantify apoptosis in cell lines and tissue sections: applications to virus-induced apoptosis. <b>1999</b> , 4, 169-78 | 2   |
| 1061 | The role of radiation-induced apoptosis as a determinant of tumor responses to radiation therapy. <b>1999</b> , 4, 115-43  | 70  |
| 1060 | IL-3 induces apoptosis in a ras-transformed myeloid cell line. <b>1999</b> , 4, 71-80  |     |
| 1059 | Mitochondrial Function in Heart Failure. <b>1999</b> , 4, 229-244  | 6   |
| 1058 | Endothelial Dysfunction in Congestive Heart Failure: Effects of Carvedilol. <b>1999</b> , 4, 53-64   | 1   |
| 1057 | Mitochondria and apoptosis: HQ or high-security prison?. <b>1999</b> , 19, 378-87  | 41  |

|      |  |     |
|------|--|-----|
| 1056 | Modulation of antioxidant enzymes and apoptosis in mice by dietary lipids and treadmill exercise. <b>1999</b> , 19, 35-44  | 44  |
| 1055 | A portrait of the Bcl-2 protein family: life, death, and the whole picture. <b>1999</b> , 19, 365-77   | 37  |
| 1054 | Mitochondrial redox signaling during apoptosis. <b>1999</b> , 31, 327-34   | 88  |
| 1053 | Regulation of BAX and BCL-2 expression in breast cancer cells by chemotherapy. <b>1999</b> , 55, 107-17  | 35  |
| 1052 | Programmed cell death in <i>C. elegans</i> . <b>1999</b> , 18, 285-94  | 13  |
| 1051 | Molecular heterogeneity and regulation of poly(ADP-ribose) glycohydrolase. <b>1999</b> , 193, 75-81  | 26  |
| 1050 | Myocardial preconditioning: Basic concepts and potential mechanisms. <b>1999</b> , 196, 3-12   | 37  |
| 1049 | Vanadate induces apoptosis in epidermal JB6 P+ cells via hydrogen peroxide-mediated reactions. <b>1999</b> , 202, 9-17   | 47  |
| 1048 | Detection by the comet assay of apoptosis induced in lymphoid cell lines after growth factor deprivation. <b>1999</b> , 15, 185-92                                 | 28  |
| 1047 | Role of cytochrome c and dATP/ATP hydrolysis in Apaf-1-mediated caspase-9 activation and apoptosis. <b>1999</b> , 18, 3586-95                                      | 356 |
| 1046 | Crystal structure of baculovirus P35: role of a novel reactive site loop in apoptotic caspase inhibition. <b>1999</b> , 18, 2031-9                                 | 89  |
| 1045 | <sup>17</sup> Estradiol-dependent regulation of chaperone expression and telomerase activity in the marine sponge <i>Geodia cydonium</i> . <b>1999</b> , 133, 1-10 | 8   |
| 1044 | Protection from cell death by mcl-1 is mediated by membrane hyperpolarization induced by K(+) channel activation. <b>1999</b> , 172, 113-20                        | 33  |
| 1043 | Technetium-99m HYNIC-annexin V: a potential radiopharmaceutical for the in-vivo detection of apoptosis. <b>1999</b> , 26, 1251-8                                   | 87  |
| 1042 | Reconstitution of caspase-mediated cell-death signalling in <i>Schizosaccharomyces pombe</i> . <b>1999</b> , 36, 21-8  | 25  |
| 1041 | Apoptosis and autoimmune disease. <b>1999</b> , 48, 5-21   | 46  |
| 1040 | Doxorubicin induces male germ cell apoptosis in rats. <b>1999</b> , 73, 274-81   | 61  |
| 1039 | Reactive oxygen species and reactive nitrogen species: relevance to cyto(neuro)toxic events and neurologic disorders. An overview. <b>2000</b> , 1, 197-233        | 144 |

|      |   |     |
|------|---|-----|
| 1038 | [Apoptosis--what is it? Significance in coronary heart disease and myocardial infarct]. <b>1999</b> , 24, 196-210   | 3   |
| 1037 | Construction and application of L929 cell model expressing human bcl-2 protein. <b>1999</b> , 44, 1095-1098   |     |
| 1036 | Invitro culturedSpodoptera frugiperda insect cells: Model for oxidative stress-induced apoptosis. <b>1999</b> , 24, 13-19                                       | 21  |
| 1035 | Plasma Nucleosome Levels in Node-Negative Breast Cancer Patients. <b>1999</b> , 6, 361-364  | 37  |
| 1034 | Ginsenoside Rh2 induces apoptosis independently of Bcl-2, Bcl-xL, or Bax in C6Bu-1 cells. <b>1999</b> , 22, 448-53  | 41  |
| 1033 | Morphological features of cell death in various types of acute tick-borne encephalitis. <b>1999</b> , 29, 449-53  | 2   |
| 1032 | Apoptosis in congestive heart failure induced by viral myocarditis in mice. <b>1999</b> , 14, 29-37   | 20  |
| 1031 | Paraquat induced activation of transcription factor AP-1 and apoptosis in PC12 cells. <b>1999</b> , 106, 1-21   | 43  |
| 1030 | Significance of Fas and retinoblastoma protein expression during the progression of Barrett's metaplasia to adenocarcinoma. <b>1999</b> , 6, 298-304            | 41  |
| 1029 | Oxysterol-induced cell death in U937 and HepG2 cells at reduced and normal serum concentrations. <b>1999</b> , 38, 255-62                                       | 43  |
| 1028 | Apoptosis in experimental rabies in bax-deficient mice. <b>1999</b> , 98, 288-94  | 17  |
| 1027 | Apoptosis-resistant difference between EBv-BHRF1 gene positive and negative cell lines against 3 kinds of apoptosis inducing factors. <b>1999</b> , 11, 180-183 |     |
| 1026 | Apoptotic threshold of adriamycin and cisplatin in hepatocellular carcinoma. <b>1999</b> , 11, 279-281  |     |
| 1025 | The role of excitotoxicity in neurodegenerative disease: implications for therapy. <b>1999</b> , 81, 163-221  | 593 |
| 1024 | Induction of apoptosis in rat hepatic stellate cells by disruption of integrin-mediated cell adhesion. <b>1999</b> , 134, 83-9                                  | 58  |
| 1023 | Regional patterns of neuronal death after deep hypothermic circulatory arrest in newborn pigs. <b>1999</b> , 118, 1068-77                                       | 86  |
| 1022 | Death by design: mechanism and control of apoptosis. <b>1999</b> , 15, M49-M52  | 3   |
| 1021 | Site-specific DNA methylation and apoptosis: induction by diabetogenic streptozotocin. <b>1999</b> , 57, 881-7  | 87  |



|      |   |     |
|------|---|-----|
| 1020 | A study of correlation between NPM-translocation and apoptosis in cells induced by daunomycin. <b>1999</b> , 57, 1265-73  | 29  |
| 1019 | Apoptotic DNA fragmentation and upregulation of Bax induced by transient ischemia of the rat retina. <b>1999</b> , 815, 11-20   | 60  |
| 1018 | Accumulation of 3,4-dihydroxyphenylglycolaldehyde, the neurotoxic monoamine oxidase A metabolite of norepinephrine, in locus ceruleus cell bodies in Alzheimer's disease: mechanism of neuron death. <b>1999</b> , 816, 633-7 | 55  |
| 1017 | Inhibition of serum deprivation- and staurosporine-induced neuronal apoptosis by Ginkgo biloba extract and some of its constituents. <b>1999</b> , 367, 423-30  | 81  |
| 1016 | Synergistic neuroprotective effects by combining an NMDA or AMPA receptor antagonist with nitric oxide synthase inhibitors in global cerebral ischaemia. <b>1999</b> , 381, 113-9   | 16  |
| 1015 | Induction of apoptosis by penta-O-galloyl-beta-D-glucose through activation of caspase-3 in human leukemia HL-60 cells. <b>1999</b> , 381, 171-83   | 47  |
| 1014 | Redox regulation of cellular signalling. <b>1999</b> , 11, 1-14   | 955 |
| 1013 | Mechanisms of nitric oxide-dependent apoptosis: involvement of mitochondrial mediators. <b>1999</b> , 11, 239-44  | 106 |
| 1012 | Death by design: mechanism and control of apoptosis. <b>1999</b> , 9, M49-M52   | 129 |
| 1011 | Death by design: mechanism and control of apoptosis. <b>1999</b> , 24, M49-M52  | 8   |
| 1010 | The three-dimensional structure of caspase-8: an initiator enzyme in apoptosis. <b>1999</b> , 7, 1125-33  | 121 |
| 1009 | Alternative splicing and programmed cell death. <b>1999</b> , 220, 64-72  | 133 |
| 1008 | Apoptotic Pathways in Normal Prostate and Prostate Cancers. <b>1999</b> , 1, 120-125  |     |
| 1007 | Apoptosis and the liver: A mechanism of disease, growth regulation, and carcinogenesis. <b>1999</b> , 30, 811-5   | 38  |
| 1006 | Regulation of synovial cell apoptosis by proteasome inhibitor. <b>1999</b> , 42, 2440-8   | 32  |
| 1005 | Characterization of caspase proteases in cytokine-dependent myeloid progenitor cells using enzyme affinity labeling. <b>1999</b> , 73, 79-89  | 3   |
| 1004 | Differential IGF-independent effects of insulin-like growth factor binding proteins (1-6) on apoptosis of breast epithelial cells. <b>1999</b> , 75, 652-64   | 79  |
| 1003 | Negative cell cycle control of human T cells by beta-galactoside binding protein (beta GBP): induction of programmed cell death in leukaemic cells. <b>1999</b> , 178, 102-8  | 32  |

|      |   |     |
|------|---|-----|
| 1002 | <b><sup>13</sup>C-NMR investigation of protein synthesis during apoptosis in human leukemic cell lines. 1999, 181, 147-52</b>   | 13  |
| 1001 | <b>Programmed cell death of an identified motoneuron examined in vivo: electrophysiological and morphological correlates. 1999, 39, 307-22</b>  | 9   |
| 1000 | <b>Estrogen receptor immunoreactivity in Schwann-like brain macroglia. 1999, 40, 458-70</b>   | 53  |
| 999  | <b>Potential mechanisms of mitochondrial cytochrome-C release during apoptosis. 1999, 46, 18-25</b>   | 7   |
| 998  | <b>Bcl-xL and Bcl-2 expression in squamous cell carcinoma of the head and neck. 1999, 85, 164-70</b>  | 90  |
| 997  | <b>S-phase accumulation precedes apoptosis induced by preoperative treatment with 5-fluorouracil in human colorectal carcinoma cells. 1999, 85, 309-17</b>  | 22  |
| 996  | <b>Impact of the expression of cyclin-dependent kinase inhibitor p27Kip1 and apoptosis in tumor cells on the overall survival of patients with non-early stage gastric carcinoma. 1999, 85, 1711-1718</b>         | 42  |
| 995  | <b>N-(4-hydroxyphenyl) retinamide is cytotoxic to melanoma cells in vitro through induction of programmed cell death. 1999, 81, 262-7</b>   | 23  |
| 994  | <b>Distinct p53-independent apoptotic cell death signalling pathways in testicular germ cell tumour cell lines. 1999, 81, 620-8</b>   | 61  |
| 993  | <b>Expression of Fas (CD95/APO-1) and Fas ligand in lung cancer, its prognostic and predictive relevance. 1999, 84, 239-43</b>  | 74  |
| 992  | <b>Arsenic trioxide induces apoptosis of HPV16 DNA-immortalized human cervical epithelial cells and selectively inhibits viral gene expression. 1999, 82, 286-92</b>  | 53  |
| 991  | <b>Betulinic acid: a new cytotoxic agent against malignant brain-tumor cells. 1999, 82, 435-41</b>  | 143 |
| 990  | <b>Bone morphogenetic proteins-2 and -4 attenuate apoptosis in a cerebellar primitive neuroectodermal tumor cell line. 1999, 56, 248-58</b>   | 31  |
| 989  | <b>Regulatory T cells in experimental allergic encephalomyelitis. II. T cells functionally antagonistic to encephalitogenic MBP-specific T cells show persistent expression of FasL. 1999, 58, 357-366</b>        | 5   |
| 988  | <b>Poliovirus infection induces apoptosis in CaCo-2 cells. 1999, 59, 122-129</b>  | 34  |
| 987  | <b>Apoptosis and cell proliferation in medullary carcinoma of the breast: a comparative study between medullary and non-medullary carcinoma using the TUNEL method and immunohistochemistry. 1999, 70, 209-16</b> | 18  |
| 986  | <b>Apoptosis and therapy. 1999, 187, 127-37</b>   | 239 |
| 985  | <b>'Tissue' transglutaminase release from apoptotic cells into extracellular matrix during human liver fibrogenesis. 1999, 189, 92-8</b>  | 21  |

|     |  |      |      |
|-----|--|------|------|
| 984 | Inhibition of caspase activity does not prevent the signaling phase of apoptosis in prostate cancer cells. <b>1999</b> , 39, 269-79  |      | 19   |
| 983 | The antidepressants imipramine, clomipramine, and citalopram induce apoptosis in human acute myeloid leukemia HL-60 cells via caspase-3 activation. <b>1999</b> , 13, 338-47 |      | 69   |
| 982 | A unifying hypothesis of Alzheimer's disease. II. Pathophysiological processes. <b>1999</b> , 14, 525-581  |      | 22   |
| 981 | Sphingolipide Ihre Stoffwechselwege und die Pathobiochemie neurodegenerativer Erkrankungen. <b>1999</b> , 111, 1632-1670   |      | 49   |
| 980 | Sphingolipids-Their Metabolic Pathways and the Pathobiochemistry of Neurodegenerative Diseases. <b>1999</b> , 38, 1532-1568  |      | 320  |
| 979 | Alzheimer's Disease. <b>1999</b> ,   |      |      |
| 978 | Stress Proteins. <b>1999</b> ,   |      | 8    |
| 977 | The apoptosome: heart and soul of the cell death machine. <b>1999</b> , 1, 5-15  |      | 157  |
| 976 | Inhibition of phosphatidylcholine biosynthesis following induction of apoptosis in HL-60 cells. <b>1999</b> , 274, 19686-92  |      | 103  |
| 975 | Environmental Metal Pollutants, Reactive Oxygen Intermediaries and Genotoxicity. <b>1999</b> ,   |      | 5    |
| 974 | Cell survival promoted by the Ras-MAPK signaling pathway by transcription-dependent and -independent mechanisms. <i>Science</i> , <b>1999</b> , 286, 1358-62                 | 33:3 | 1623 |
| 973 | Proapoptotic Bcl-2 relative Bim required for certain apoptotic responses, leukocyte homeostasis, and to preclude autoimmunity. <i>Science</i> , <b>1999</b> , 286, 1735-8    | 33:3 | 1288 |
| 972 | Review article: the role of tumor necrosis factor in renal ischemia-reperfusion injury. <b>1999</b> , 162, 196-203   |      | 231  |
| 971 | Advances in the immunobiology of eosinophils and their role in disease. <b>1999</b> , 36, 453-96   |      | 68   |
| 970 | Increased serum soluble Fas in patients with Graves' disease. <b>1999</b> , 9, 341-5   |      | 22   |
| 969 | Free radicals and reactive oxygen species in programmed cell death. <b>1999</b> , 52, 451-63   |      | 45   |
| 968 | Chronic inflammation and cancer: potential role of Bcl-2 gene family members as regulators of cellular antioxidant status. <b>1999</b> , 52, 27-30                           |      | 22   |
| 967 | Abortive apoptosis as an initiator of chromosomal translocations. <b>1999</b> , 52, 373-6  |      | 5    |

|     |  |      |
|-----|--|------|
| 966 | Signal transduction of thapsigargin-induced apoptosis in osteoblast. <b>1999</b> , 25, 453-8   | 18   |
| 965 | Cell cycle disturbances and apoptosis induced by topotecan and gemcitabine on human lung cancer cell lines. <b>1999</b> , 35, 796-807  | 121  |
| 964 | Induction of apoptosis and inhibition of human gastric cancer MGC-803 cell growth by arsenic trioxide. <b>1999</b> , 35, 1258-63   | 122  |
| 963 | Organophosphate-induced brain injuries: delayed apoptosis mediated by nitric oxide. <b>1999</b> , 7, 147-52  | 56   |
| 962 | Alcohol intake-associated skin and mucosal cancer. <b>1999</b> , 17, 447-55  | 8    |
| 961 | Regulation of protein and energy metabolism by the somatotropic axis. <b>1999</b> , 17, 209-18   | 128  |
| 960 | Increased p53 protein expression in human failing myocardium. <b>1999</b> , 18, 744-9  | 64   |
| 959 | Programmed cell death in the myocardium of arrhythmogenic right ventricular cardiomyopathy in children and adults. <b>1999</b> , 8, 185-9  | 21   |
| 958 | Constitutive activation of Stat3 signaling confers resistance to apoptosis in human U266 myeloma cells. <b>1999</b> , 10, 105-15   | 1403 |
| 957 | The role of caspases in development, immunity, and apoptotic signal transduction: lessons from knockout mice. <b>1999</b> , 10, 629-39   | 358  |
| 956 | SLUG, a ces-1-related zinc finger transcription factor gene with antiapoptotic activity, is a downstream target of the E2A-HLF oncoprotein. <b>1999</b> , 4, 343-52                        | 180  |
| 955 | HAC-1, a Drosophila homolog of APAF-1 and CED-4 functions in developmental and radiation-induced apoptosis. <b>1999</b> , 4, 745-55  | 183  |
| 954 | Reduced bcl-2 concentrations in hypertensive patients after lisinopril or nifedipine administration. <b>1999</b> , 12, 73-5  | 8    |
| 953 | Implications de l'apoptose en pathologie. <b>1999</b> , 14, 16-31  |      |
| 952 | The beta2-adrenoceptor agonist clenbuterol modulates Bcl-2, Bcl-xl and Bax protein expression following transient forebrain ischemia. <b>1999</b> , 90, 1255-63                            | 47   |
| 951 | Transient hypoxia may lead to neuronal proliferation in the developing mammalian brain: from apoptosis to cell cycle completion. <b>1999</b> , 91, 221-31                                  | 42   |
| 950 | Metabotropic glutamate receptor agonists protect from oxygen-glucose deprivation- and colchicine-induced apoptosis in primary cultures of cerebellar granule cells. <b>1999</b> , 92, 7-14 | 22   |
| 949 | Prevention of neuronal apoptosis by phorbol ester-induced activation of protein kinase C: blockade of p38 mitogen-activated protein kinase. <b>1999</b> , 94, 917-27                       | 65   |

|     |  |     |
|-----|--|-----|
| 948 | Is apoptosis a mechanism of cell death of cardiomyocytes in chronic chagasic myocarditis?. <b>1999</b> , 68, 325-31  | 23  |
| 947 | Trophic effects of purines in neurons and glial cells. <b>1999</b> , 59, 663-90  | 331 |
| 946 | p53/p21(WAF1/CIP1) expression and its possible role in G1 arrest and apoptosis in ellagic acid treated cancer cells. <b>1999</b> , 136, 215-21   | 214 |
| 945 | Resveratrol, an antioxidant present in red wine, induces apoptosis in human promyelocytic leukemia (HL-60) cells. <b>1999</b> , 140, 1-10  | 287 |
| 944 | Phospholipid metabolism and resistance to glucocorticoid-induced apoptosis in a human leukemic cell line: a 31P-NMR study using a phosphonium analog of choline. <b>1999</b> , 140, 189-94           | 5   |
| 943 | Expression of calbindin-D28k in C6 glial cells stabilizes intracellular calcium levels and protects against apoptosis induced by calcium ionophore and amyloid beta-peptide. <b>1999</b> , 64, 69-79 | 66  |
| 942 | Free radical scavenger OPC-14117 attenuates quinolinic acid-induced NF-kappaB activation and apoptosis in rat striatum. <b>1999</b> , 64, 59-68  | 37  |
| 941 | Caspase inhibitors block the retinal ganglion cell death following optic nerve transection. <b>1999</b> , 67, 36-45  | 159 |
| 940 | CPP32/CASPASE-3-like proteases in hypoxia-induced apoptosis in developing brain neurons. <b>1999</b> , 71, 225-37  | 31  |
| 939 | Tissue-specific alternative splicing of the CSE1L/CAS (cellular apoptosis susceptibility) gene. <b>1999</b> , 58, 41-9   | 12  |
| 938 | Tumor angiogenesis, apoptosis, and p53 oncogene in stage I lung adenocarcinoma. <b>1999</b> , 29, 1148-53  | 11  |
| 937 | Apoptosis in skeletal myocytes of patients with chronic heart failure is associated with exercise intolerance. <b>1999</b> , 33, 959-65  | 174 |
| 936 | Evaluation of hepatocyte injury following partial ligation of the left portal vein. <b>1999</b> , 30, 29-37  | 49  |
| 935 | Prevalence of hepatitis C virus infection in patients with antiphospholipid syndrome. <b>1999</b> , 30, 770-3  | 67  |
| 934 | The role of TNF in cardiovascular disease. <b>1999</b> , 40, 97-105  | 131 |
| 933 | Genetic cytoprotection of human endothelial cells during preservation time with an adenoviral vector encoding the anti-apoptotic human Bcl-2 gene. <b>1999</b> , 31, 1012-5                          | 9   |
| 932 | In vivo amifostine (WR-2721) prevents chemotherapy-induced apoptosis of peripheral blood lymphocytes from cancer patients. <b>1999</b> , 64, 1525-32   | 20  |
| 931 | Ginsenoside RH-2 induces apoptotic cell death in rat C6 glioma via a reactive oxygen- and caspase-dependent but Bcl-X(L)-independent pathway. <b>1999</b> , 65, PL33-40                              | 39  |

|     |   |     |
|-----|---|-----|
| 930 | Acteoside inhibits apoptosis in D-galactosamine and lipopolysaccharide-induced liver injury. <b>1999</b> , 65, 421-30   | 87  |
| 929 | Apoptosis in placentas from human T-lymphotropic virus type I-seropositive pregnant women: a possible defense mechanism against transmission from mother to fetus. <b>1999</b> , 94, 279-83 | 7   |
| 928 | Generation of hydrogen peroxide precedes loss of mitochondrial membrane potential during DNA alkylation-induced apoptosis. <b>1999</b> , 442, 65-9  | 72  |
| 927 | Lack of c-Jun activity increases survival to cisplatin. <b>1999</b> , 453, 151-8  | 84  |
| 926 | Induction of p53 dependent apoptosis upon overexpression of a nuclear protein tyrosine phosphatase. <b>1999</b> , 453, 308-12   | 23  |
| 925 | Cells depleted of mitochondrial DNA (rho0) yield insight into physiological mechanisms. <b>1999</b> , 454, 173-6  | 153 |
| 924 | Induction of apoptosis by human amylin in RINm5F islet beta-cells is associated with enhanced expression of p53 and p21WAF1/CIP1. <b>1999</b> , 455, 315-20                                 | 51  |
| 923 | Proteolytic cleavage of beta-catenin by caspases: an in vitro analysis. <b>1999</b> , 458, 167-70   | 38  |
| 922 | Solution structure of the proapoptotic molecule BID: a structural basis for apoptotic agonists and antagonists. <b>1999</b> , 96, 625-34  | 347 |
| 921 | Inherited human Caspase 10 mutations underlie defective lymphocyte and dendritic cell apoptosis in autoimmune lymphoproliferative syndrome type II. <b>1999</b> , 98, 47-58                 | 535 |
| 920 | Biological aspects of reactive nitrogen species. <b>1999</b> , 1411, 385-400  | 350 |
| 919 | From immune activation to gut tissue injury: the pieces of the puzzle are coming together. <b>1999</b> , 117, 1238-41   | 24  |
| 918 | Bile acids and hepatocyte apoptosis: living/leaving life in the Fas lane. <b>1999</b> , 117, 732-6  | 19  |
| 917 | A caspase-resistant form of Bcl-X(L), but not wild type Bcl-X(L), promotes clonogenic survival after ionizing radiation. <b>1999</b> , 1, 63-70   | 8   |
| 916 | Cocaine induced apoptosis in rat testes. <b>1999</b> , 162, 213-6   | 36  |
| 915 | Role of the Bcl-2 Gene Family in Prostate Cancer Progression and Its Implications for Therapeutic Intervention. <b>1999</b> , 107, 49   | 4   |
| 914 | Neuroprotective therapies. <b>1999</b> , 83, 509-23, viii   | 29  |
| 913 | Lens fibre cell differentiation - A link with apoptosis?. <b>1999</b> , 31, 163-83  | 96  |

|     |  |     |
|-----|--|-----|
| 912 | Mercuric chloride-induced apoptosis is dependent on protein synthesis. <b>1999</b> , 105, 183-95   | 17  |
| 911 | Boo, a novel negative regulator of cell death, interacts with Apaf-1. <b>1999</b> , 18, 167-78   | 131 |
| 910 | Presence of a pre-apoptotic complex of pro-caspase-3, Hsp60 and Hsp10 in the mitochondrial fraction of Jurkat cells. <b>1999</b> , 18, 2040-8  | 395 |
| 909 | Differential expression of cell survival and cell cycle regulatory proteins in cutaneous squamoproliferative lesions. <b>1999</b> , 19, 53-67  | 295 |
| 908 | Apoptosis, Bcl-2, and proliferating cell nuclear antigen in the failing human heart: observations made after implantation of left ventricular assist device. <b>1999</b> , 5, 308-15 | 46  |
| 907 | Perturbations in the control of cellular arachidonic acid levels block cell growth and induce apoptosis in HL-60 cells. <b>1999</b> , 20, 757-63                                     | 85  |
| 906 | Role of mitogen-activated protein kinases in S-nitrosoglutathione-induced macrophage apoptosis. <b>1999</b> , 38, 2279-86  | 96  |
| 905 | Nutritional regulation of gene expression. <b>1999</b> , 106, 20S-23S; discussion 50S-51S  | 24  |
| 904 | Apoptosis and tumorigenesis in human cholangiocarcinoma cells. Involvement of Fas/APO-1 (CD95) and calmodulin. <b>1999</b> , 155, 193-203  | 50  |
| 903 | Vascular endothelial growth factor (VEGF)-mediated angiogenesis is associated with enhanced endothelial cell survival and induction of Bcl-2 expression. <b>1999</b> , 154, 375-84   | 544 |
| 902 | The central effectors of cell death in the immune system. <b>1999</b> , 17, 781-828  | 333 |
| 901 | Spermatogenesis and Germ Cell Death. <b>1999</b> , 19-39   |     |
| 900 | Overexpression of anti-apoptotic gene BAG-1 in human cervical cancer. <b>1999</b> , 247, 200-7   | 40  |
| 899 | Establishment of persistent infection with HIV-1 abrogates the caspase-3-dependent apoptotic signaling pathway in U937 cells. <b>1999</b> , 247, 514-24                              | 14  |
| 898 | The temporal relationship between protein phosphatase, mitochondrial cytochrome c release, and caspase activation in apoptosis. <b>1999</b> , 247, 505-13                            | 64  |
| 897 | Tumor radiosensitivity and apoptosis. <b>1999</b> , 248, 10-7  | 121 |
| 896 | Effects of differential overexpression of Bcl-2 on apoptosis, proliferation, and telomerase activity in Jurkat T cells. <b>1999</b> , 251, 175-84                                    | 21  |
| 895 | Caspase activation is downstream of commitment to apoptosis of Ntera-2 neuronal cells. <b>1999</b> , 251, 203-12   | 16  |

|     |  |     |
|-----|--|-----|
| 894 | p21 promotes ceramide-induced apoptosis and antagonizes the antideath effect of Bcl-2 in human hepatocarcinoma cells. <b>1999</b> , 253, 403-12  | 79  |
| 893 | Stimulus-specific and cell type-specific cascades: emerging principles relating to control of apoptosis in the eye. <b>1999</b> , 69, 255-66   | 40  |
| 892 | Temporal profile of apoptotic-like changes in neurons and astrocytes following controlled cortical impact injury in the rat. <b>1999</b> , 158, 76-88  | 135 |
| 891 | Role of TNF in mediating renal insufficiency following cardiac surgery: evidence of a postbypass cardiorenal syndrome. <b>1999</b> , 85, 185-99  | 81  |
| 890 | Neurons undergo apoptosis in animal and cell culture models of diabetes. <b>1999</b> , 6, 347-63   | 344 |
| 889 | Oxidative DNA damage induced by aminoacetone, an amino acid metabolite. <b>1999</b> , 365, 62-70   | 25  |
| 888 | Nitric oxide prevents anoxia-induced apoptosis in colonic HT29 cells. <b>1999</b> , 366, 240-8   | 27  |
| 887 | Identification and characterization of baxepsilon, a novel bax variant missing the BH2 and the transmembrane domains. <b>1999</b> , 254, 779-85  | 26  |
| 886 | Cholestanol induces apoptosis of cerebellar neuronal cells. <b>1999</b> , 256, 198-203   | 33  |
| 885 | TFAR19, a novel apoptosis-related gene cloned from human leukemia cell line TF-1, could enhance apoptosis of some tumor cells induced by growth factor withdrawal. <b>1999</b> , 254, 203-10 | 142 |
| 884 | Activation of caspase 3 in HL-60 cells exposed to hydrogen peroxide. <b>1999</b> , 255, 477-82   | 95  |
| 883 | Geraniol is a potent inducer of apoptosis-like cell death in the cultured shoot primordia of <i>Matricaria chamomilla</i> . <b>1999</b> , 259, 519-22  | 32  |
| 882 | Doxycycline induces Fas/Fas ligand-mediated apoptosis in Jurkat T lymphocytes. <b>1999</b> , 260, 562-7  | 45  |
| 881 | A human IAP-family gene, apollon, expressed in human brain cancer cells. <b>1999</b> , 264, 847-54   | 185 |
| 880 | GM-CSF rescues TF-1 cells from growth factor withdrawal-induced, but not differentiation-induced apoptosis: the role of BCL-2 and MCL-1. <b>1999</b> , 11, 849-55                            | 26  |
| 879 | Refolding, purification, and characterization of a loop deletion mutant of human Bcl-2 from bacterial inclusion bodies. <b>1999</b> , 15, 162-70   | 16  |
| 878 | Molecular Mechanisms of Insulin-like Growth Factor I Receptor Function: Implications for Normal Physiology and Pathological States. <b>1999</b> , 633-662                                    |     |
| 877 | Energy metabolism and protein phosphorylation during apoptosis: a phosphorylation study of tau and high-molecular-weight tau in differentiated PC12 cells*. <b>1999</b> , 340, 51            | 9   |



|     |  |     |
|-----|--|-----|
| 876 | Transcriptional analysis of human survivin gene expression. <b>1999</b> , 344, 305-311   | 259 |
| 875 | Activation of caspase-3-like proteases in apoptosis induced by sphingosine and other long-chain bases in Hep3B hepatoma cells. <b>1999</b> , 338, 161-166                            | 68  |
| 874 | Caspase-mediated cleavage of eukaryotic translation initiation factor subunit 2E1999, 342, 65-70   | 54  |
| 873 | Repeatability of cough-related variables during fog challenges at threshold and suprathreshold stimulus intensity in humans. <b>1999</b> , 13, 1447-1450                             | 2   |
| 872 | Activation of caspase-3-like proteases in apoptosis induced by sphingosine and other long-chain bases in Hep3B hepatoma cells. <b>1999</b> , 338, 161                                | 29  |
| 871 | Caspase-mediated cleavage of eukaryotic translation initiation factor subunit 2E1999, 342, 65  | 17  |
| 870 | Transcriptional analysis of human survivin gene expression. <b>1999</b> , 344 Pt 2, 305-11   | 156 |
| 869 | Ceramide induces cytochrome c release from isolated mitochondria. Importance of mitochondrial redox state. <b>1999</b> , 274, 6080-4   | 210 |
| 868 | Folate deficiency induces a cell cycle-specific apoptosis in HepG2 cells. <b>1999</b> , 129, 25-31   | 74  |
| 867 | To die or not to die--the quest of the TRAIL receptors. <b>1999</b> , 65, 535-42   | 113 |
| 866 | Apoptosis and predisposition to oral cancer. <b>1999</b> , 10, 139-52  | 34  |
| 865 | Apoptosis in vascular endothelial cells caused by serum deprivation, oxidative stress and transforming growth factor-beta. <b>1999</b> , 7, 35-49                                    | 63  |
| 864 | Failure of poly(ADP-ribose) polymerase cleavage by caspases leads to induction of necrosis and enhanced apoptosis. <b>1999</b> , 19, 5124-33   | 197 |
| 863 | Akt/Protein kinase B inhibits cell death by preventing the release of cytochrome c from mitochondria. <b>1999</b> , 19, 5800-10  | 564 |
| 862 | Energy metabolism and protein phosphorylation during apoptosis: a phosphorylation study of tau and high-molecular-weight tau in differentiated PC12 cells*. <b>1999</b> , 340, 51-58 | 22  |
| 861 | NF-kappaB induces expression of the Bcl-2 homologue A1/Bfl-1 to preferentially suppress chemotherapy-induced apoptosis. <b>1999</b> , 19, 5923-9                                     | 509 |
| 860 | Phosphatidylserine-mediated phagocytosis of anticancer drug-treated cells by macrophages. <b>1999</b> , 126, 1101-6  | 19  |
| 859 | Oxidative stress, growth factor starvation and Fas activation may all cause apoptosis through lysosomal leak. <b>1999</b> , 4, 3-11  | 165 |

|     |  |     |
|-----|--|-----|
| 858 | Apoptosis after traumatic human spinal cord injury. <b>1999</b> , 6, E9  |     |
| 857 | Apoptosis in Placentas From Human T-Lymphotropic Virus Type I Seropositive Pregnant Women. <b>1999</b> , 94, 279-283   | 7   |
| 856 | Do nuclear condensation or fragmentation and DNA fragmentation reflect the mode of neuronal death?. <b>1999</b> , 10, 1937-42  | 8   |
| 855 | Over-expression of GAPDH induces apoptosis in COS-7 cells transfected with cloned GAPDH cDNAs. <b>1999</b> , 10, 2029-33   | 77  |
| 854 | SAG, a novel zinc RING finger protein that protects cells from apoptosis induced by redox agents. <b>1999</b> , 19, 3145-55  | 125 |
| 853 | Cleavage and inactivation of ATM during apoptosis. <b>1999</b> , 19, 6076-84   | 86  |
| 852 | Cif (Cytochrome c efflux-inducing factor) activity is regulated by Bcl-2 and caspases and correlates with the activation of Bid. <b>1999</b> , 19, 1381-9  | 59  |
| 851 | Bcl-2 and Bcl-X(L) block thapsigargin-induced nitric oxide generation, c-Jun NH(2)-terminal kinase activity, and apoptosis. <b>1999</b> , 19, 5659-74  | 143 |
| 850 | Mouse receptor interacting protein 3 does not contain a caspase-recruiting or a death domain but induces apoptosis and activates NF-kappaB. <b>1999</b> , 19, 6500-8   | 48  |
| 849 | Telomerase activity in myeloma cells is closely related to cell cycle status, but not to apoptotic signals induced by interferon-alpha. <b>1999</b> , 34, 349-59   | 14  |
| 848 | New molecular targets for cancer chemotherapy. <b>1999</b> , 38, 186-90  |     |
| 847 | Involvement of apoptosis in the endotoxemic lesions of the liver and kidneys of piglets. <b>2000</b> , 62, 621-6   | 8   |
| 846 | Determination of DNA damage, peroxide generation, mitochondrial membrane potential, and caspase-3 activity during ultraviolet A-induced apoptosis. <b>2000</b> , 319, 331-42   | 16  |
| 845 | Protooncogenes as mediators of apoptosis. <b>2000</b> , 197, 137-202   | 23  |
| 844 | Apoptosis in auditory brainstem neurons after a severe noise trauma of the organ of Corti: intracochlear GDNF treatment reduces the number of apoptotic cells. <b>2000</b> , 62, 330-4                                     | 26  |
| 843 | Molecular mechanisms of butylated hydroxyanisole-induced toxicity: induction of apoptosis through direct release of cytochrome c. <b>2000</b> , 58, 431-7  | 60  |
| 842 | Marine specimen banking: archive and pollution control for the 21st century. <b>2000</b> , 13, 326   |     |
| 841 | MK800-62F1, a new inhibitor of apoptotic cell death, from Streptomyces diastatochromogenes MK800-62F1. I. Taxonomy, fermentation, isolation, physico-chemical properties and biological activity. <b>2000</b> , 53, 569-74 | 4   |

|     |   |     |
|-----|---|-----|
| 840 | Apoptosis of proliferative cortical tubular epithelia in chronic progressive nephrosis of rats. <b>2000</b> , 62, 367-74  | 1   |
| 839 | Functional analysis of tumour necrosis factor- $\beta$ -related apoptosis-inducing ligand (TRAIL): cysteine-230 plays a critical role in the homotrimerization and biological activity of this novel tumoricidal cytokine. <b>2000</b> , 350, 505     | 11  |
| 838 | Apoptotic signalling cascade in photosensitized human epidermal carcinoma A431 cells: involvement of singlet oxygen, c-Jun N-terminal kinase, caspase-3 and p21-activated kinase 2. <b>2000</b> , 351, 221-32   | 31  |
| 837 | Functional analysis of tumour necrosis factor- $\beta$ -related apoptosis-inducing ligand (TRAIL): cysteine-230 plays a critical role in the homotrimerization and biological activity of this novel tumoricidal cytokine. <b>2000</b> , 350, 505-510 | 20  |
| 836 | Apoptotic signalling cascade in photosensitized human epidermal carcinoma A431 cells: involvement of singlet oxygen, c-Jun N-terminal kinase, caspase-3 and p21-activated kinase 2. <b>2000</b> , 351, 221-232  | 62  |
| 835 | Analysis of prognostic and survival factors related to treatment of low-grade astrocytomas in adults. <b>2000</b> , 58, 108-16  | 125 |
| 834 | Bcl-2, Bax, Bcl-x(L) and Bcl-x(S) expression in neoplastic and normal endometrium. <b>2000</b> , 58, 161-8  | 27  |
| 833 | Apoptosis. <b>2000</b> , 53, 55-63  | 119 |
| 832 | Arsenite-induced apoptosis in cortical neurons is mediated by c-Jun N-terminal protein kinase 3 and p38 mitogen-activated protein kinase. <b>2000</b> , 20, 6442-51   | 166 |
| 831 | Docosahexaenoic acid, a peroxisome proliferator-activated receptor-alpha ligand, induces apoptosis in vascular smooth muscle cells by stimulation of p38 mitogen-activated protein kinase. <b>2000</b> , 36, 851-5                                    | 153 |
| 830 | <sup>99m</sup> Tc annexin V imaging of neonatal hypoxic brain injury. <b>2000</b> , 31, 2692-700  | 45  |
| 829 | Cyclic peptidase substrates for fluorescent analysis of Caspase 3 enzyme activity. <b>2000</b> , 3913, 54   |     |
| 828 | Regulation of Bcl-xL: a little bit of this and a little bit of STAT. <b>2000</b> , 12, 543-9  | 188 |
| 827 | Serum Soluble Fas Levels in Ovarian Cancer. <b>2000</b> , 96, 65-69   |     |
| 826 | Lactated ringer's solution and hetastarch but not plasma resuscitation after rat hemorrhagic shock is associated with immediate lung apoptosis by the up-regulation of the Bax protein. <b>2000</b> , 49, 47-53; discussion 53-5                      | 71  |
| 825 | The pattern of CPP32/caspase-3 expression reflects the biological behavior of the human pancreatic duct cell tumors. <b>2000</b> , 21, 352-7  | 20  |
| 824 | Intervertebral disc cell death is dependent on the magnitude and duration of spinal loading. <b>2000</b> , 25, 1477-83  | 245 |
| 823 | Apoptosis: implications for inflammatory bowel disease. <b>2000</b> , 6, 191-205  | 26  |

|     |   |     |
|-----|---|-----|
| 822 | Cell death in human lung transplantation: apoptosis induction in human lungs during ischemia and after transplantation. <b>2000</b> , 231, 424-31 | 138 |
| 821 | Coexpression of FAS and FAS-ligand in chronic pancreatitis: correlation with apoptosis. <b>2000</b> , 20, 123-8                                   | 22  |
| 820 | Apoptosis and the thyroid: the biology and potential implications for thyroid disease. <b>2000</b> , 7, 260-264                                   | 2   |
| 819 | Doxazosin modifies Bcl-2 and Bax protein expression in the left ventricle of spontaneously hypertensive rats. <b>2000</b> , 18, 307-15            | 16  |
| 818 | Stress Response in Marine Sponges: Genes and Molecules Involved and Their use as Biomarkers. <b>2000</b> , 1, 193-208                             | 7   |
| 817 | Fas and Fas-ligand expression in human pancreatic cancer. <b>2000</b> , 231, 368-79   | 41  |
| 816 | Differential expression of Bax and Bcl-2 in the brains of hamsters infected with 263K scrapie agent. <b>2000</b> , 11, 1677-82                    | 32  |
| 815 | Apoptosis in UV-exposed rabbit corneas. <b>2000</b> , 19, 99-103  | 109 |
| 814 | Apoptosis: the importance of nuclear medicine. <b>2000</b> , 21, 241-50   | 38  |
| 813 | B lymphopenia in uremia is related to an accelerated in vitro apoptosis and dysregulation of Bcl-2. <b>2000</b> , 15, 502-10                      | 102 |
| 812 | Cell death in denervated skeletal muscle is distinct from classical apoptosis. <b>2000</b> , 258, 305-18  | 138 |
| 811 | Prognostic relevance of altered Fas (CD95)-system in human breast cancer. <b>2000</b> , 89, 127-32  | 85  |
| 810 | Actinomycin D induces apoptosis and inhibits growth of pancreatic cancer cells. <b>2000</b> , 86, 399-407   | 93  |
| 809 | Induction of apoptosis in lung-cancer cells following bcl-xL anti-sense treatment. <b>2000</b> , 86, 570-6  | 73  |
| 808 | Caspase-3 is required for apoptosis-associated DNA fragmentation but not for cell death in neurons deprived of potassium. <b>2000</b> , 59, 24-31 | 73  |
| 807 | Up-regulation of genes involved in cellular stress and apoptosis in a rat model of hippocampal degeneration. <b>2000</b> , 59, 209-17             | 20  |
| 806 | Batten's disease: clues to neuronal protein catabolism in lysosomes. <b>2000</b> , 60, 133-40   | 45  |
| 805 | Telomerase activity in colorectal cancer and its relationship to bcl-2 expression. <b>2000</b> , 73, 219-23                                       | 18  |

|     |  |     |
|-----|--|-----|
| 804 | Apoptosis in mycobacterium tuberculosis infection in mice exhibiting varied immunopathology. <b>2000</b> , 190, 211-20   | 36  |
| 803 | Role of apoptosis in gastric epithelial turnover. <b>2000</b> , 48, 303-11   | 29  |
| 802 | Aponecrosis: morphological and biochemical exploration of a syncretic process of cell death sharing apoptosis and necrosis. <b>2000</b> , 182, 41-9  | 290 |
| 801 | Sensitization of tumor cells to fas killing through overexpression of heat-shock transcription factor 1. <b>2000</b> , 183, 425-31   | 31  |
| 800 | Schwann-like macroglia in adult rat brain. <b>2000</b> , 30, 49-63   | 70  |
| 799 | Thapsigargin induces a calmodulin/calcineurin-dependent apoptotic cascade responsible for the death of prostatic cancer cells. <b>2000</b> , 43, 303-17  | 89  |
| 798 | Multiparametric study of atresia in ewe antral follicles: histology, flow cytometry, internucleosomal DNA fragmentation, and lysosomal enzyme activities in granulosa cells and follicular fluid. <b>2000</b> , 55, 270-81 | 31  |
| 797 | Tetracycline uptake by pak choi grown on contaminated soils and its toxicity in human liver cell line HL-7702. <b>2019</b> , 253, 312-321  | 13  |
| 796 | Unique pH-Sensitive RNA Binder for Ratiometric Visualization of Cell Apoptosis. <b>2019</b> , 91, 10056-10063  | 19  |
| 795 | Peroxiredoxin V Inhibits Emodin-induced Gastric Cancer Cell Apoptosis the ROS/Bcl2 Pathway. <b>2019</b> , 33, 1183-1192  | 7   |
| 794 | The cellular and molecular processes associated with scopolamine-induced memory deficit: A model of Alzheimer's biomarkers. <b>2019</b> , 233, 116695  | 52  |
| 793 | The main active constituents and detoxification process of Ginkgo biloba seeds and their potential use in functional health foods. <b>2019</b> , 83, 103247  | 36  |
| 792 | LncRNA LINC00668 promotes the progression of breast cancer by inhibiting apoptosis and accelerating cell cycle. <b>2019</b> , 12, 5615-5625  | 13  |
| 791 | Chlorogenic Acid Alleviates Thiram-Induced Tibial Dyschondroplasia by Modulating Caspases, BECN1 Expression and ECM Degradation. <b>2019</b> , 20,   | 13  |
| 790 | IL-29 Exhibits Anti-Tumor Effect on Pan-48 Pancreatic Cancer Cells by Up-regulation of P21 and Bax. <b>2019</b> , 39, 3493-3498  | 2   |
| 789 | Dual-Responsive DNA Nanodevice for the Available Imaging of an Apoptotic Signaling Pathway. <b>2019</b> , 13, 12840-12850  | 11  |
| 788 | Destined to Die: Apoptosis and Pediatric Cancers. <b>2019</b> , 11,  | 8   |
| 787 | Fabrication of Curcumin-Modified TiO Nanoarrays via Cyclodextrin Based Polymer Functional Coatings for Osteosarcoma Therapy. <b>2019</b> , 8, e1901031   | 20  |

|     |   |     |
|-----|---|-----|
| 786 | Multioside, an active ingredient from <i>adonis amurensis</i> , displays anti-cancer activity through autophagosome formation. <b>2019</b> , 65, 153114                     | 3   |
| 785 | <i>Coix lacryma-jobi</i> var. <i>ma-yuen</i> Stapf sprout extract induces cell cycle arrest and apoptosis in human cervical carcinoma cells. <b>2019</b> , 19, 312          | 10  |
| 784 | Acute toxic effect of lipopolysaccharides to blood tissue in rats and responses to vitamin E and sodium selenite. <b>2019</b> , 43, e13060                                  |     |
| 783 | Toxicity of arsenic on isolated human lymphocytes: The key role of cytokines and intracellular calcium enhancement in arsenic-induced cell death. <b>2019</b> , 42, 125-134 | 10  |
| 782 | Apoptotic effects of rhein through the mitochondrial pathways, two death receptor pathways, and reducing autophagy in human liver L02 cells. <b>2019</b> , 34, 1292-1302    | 4   |
| 781 | Enzyme-Driven Membrane-Targeted Chimeric Peptide for Enhanced Tumor Photodynamic Immunotherapy. <b>2019</b> , 13, 11249-11262   | 67  |
| 780 | Investigation of Phospholipase C $\beta$ Interaction with SLP76 Using Molecular Modeling Methods for Identifying Novel Inhibitors. <b>2019</b> , 20,                        | 3   |
| 779 | Apoptosis and apoptotic body: disease message and therapeutic target potentials. <b>2019</b> , 39,  | 177 |
| 778 | SETD3 is a positive regulator of DNA-damage-induced apoptosis. <b>2019</b> , 10, 74   | 18  |
| 777 | Supplementation of p-coumaric acid exhibits chemopreventive effect via induction of Nrf2 in a short-term preclinical model of colon cancer. <b>2019</b> , 28, 472-482       | 17  |
| 776 | Chinese Skullcap ( <i>Scutellaria baicalensis</i> Georgi) inhibits inflammation and proliferation on benign prostatic hyperplasia in rats. <b>2019</b> , 235, 481-488       | 13  |
| 775 | Transition metal substituted sandwich-type polyoxometalates with a strong metal-C (imidazole) bond as anticancer agents. <b>2019</b> , 55, 1096-1099                        | 28  |
| 774 | Epigenetic regulation of ferroptosis by H2B monoubiquitination and p53. <b>2019</b> , 20, e47563  | 62  |
| 773 | Small molecule fluorescent probes of protein vicinal dithiols. <b>2019</b> , 30, 1704-1716  | 46  |
| 772 | Identification of a new benzophenone from <i>Psidium guajava</i> L. leaves and its antineoplastic effects on human colon cancer cells. <b>2019</b> , 10, 4189-4198          | 11  |
| 771 | Evaluation of serum M30 and M65 activity in patients with stage-I endometrial cancer. <b>2019</b> , 39, 1112-1116   | 1   |
| 770 | TGF- $\beta$ 1 protects colon tumor cells from apoptosis through XAF1 suppression. <b>2019</b> , 54, 2117-2126  | 9   |
| 769 | Do arachidonic acid metabolites affect apoptosis in bovine endometrial cells with silenced PPAR genes?. <b>2019</b> , 143, 106336   | 4   |

|     |   |    |
|-----|---|----|
| 768 | Assessment of the hepatocyte protective effects of gypenoside and its phosphorylated derivative against DHAV-1 infection on duck embryonic hepatocytes. <b>2019</b> , 15, 134   | 3  |
| 767 | Synthesis of 2-anilinopyridyl linked benzothiazole hydrazones as apoptosis inducing cytotoxic agents. <b>2019</b> , 43, 7150-7161   | 13 |
| 766 | Caspase-3 probes for PET imaging of apoptotic tumor response to anticancer therapy. <b>2019</b> , 17, 4801-4824   | 13 |
| 765 | Image-Based Quantification of Cell Debris as a Measure of Apoptosis. <b>2019</b> , 91, 5548-5552  | 7  |
| 764 | MicroRNA-31 regulating apoptosis by mediating the phosphatidylinositol-3 kinase/protein kinase B signaling pathway in treatment of spinal cord injury. <b>2019</b> , 41, 649-661  | 16 |
| 763 | The mechanisms involved in the increased adiposity induced by interruption of regular physical exercise practice. <b>2019</b> , 222, 103-111  | 6  |
| 762 | The miR-3940-5p inhibits cell proliferation of gingival mesenchymal stem cells. <b>2019</b> , 25, 1363-1373   | 7  |
| 761 | Ginsenoside Rk1 Induces Apoptosis in Neuroblastoma Cells Through Loss of Mitochondrial Membrane Potential and Activation of Caspases. <b>2019</b> , 20,   | 7  |
| 760 | CIDE Proteins in Human Health and Disease. <b>2019</b> , 8,   | 19 |
| 759 | Apoptosis-inducing activities of <i>Halopteris scoparia</i> L. Sauvageau (Brown algae) on cancer cells and its biosafety and antioxidant properties. <b>2019</b> , 71, 687-704  | 14 |
| 758 | A low inflammatory, Langerhans cell-targeted microprojection patch to deliver ovalbumin to the epidermis of mouse skin. <b>2019</b> , 302, 190-200  | 6  |
| 757 | The matrix environmental and cell mechanical properties regulate cell migration and contribute to the invasive phenotype of cancer cells. <b>2019</b> , 82, 064602  | 70 |
| 756 | A new version of the ANDSystem tool for automatic extraction of knowledge from scientific publications with expanded functionality for reconstruction of associative gene networks by considering tissue-specific gene expression. <b>2019</b> , 20, 34 | 12 |
| 755 | In vitro cytotoxic and apoptotic effect of vic-dioxime ligand and its metal complexes. <b>2019</b> , 33, e4818  | 2  |
| 754 | <i>Calendula arvensis</i> L. as an anti-cancer agent against breast cancer cell lines. <b>2019</b> , 46, 2187-2196  | 9  |
| 753 | Antitumor Activities of Korean Ginseng as a Health Food Based Upon Underlying Mechanisms of Ginsenosides. <b>2019</b> , 149-168   | 0  |
| 752 | Protein kinase A activation by $\beta$ -lapachone is associated with apoptotic cell death in NQO1-overexpressing breast cancer cells. <b>2019</b> , 42, 1621-1630   | 1  |
| 751 | Growth and toxicity of (Cyanoprokaryota, Cyanophyta) at different conditions of light, salinity and temperature. <b>2019</b> , 8,   | 3  |

|     |  |    |
|-----|--|----|
| 750 | Sensitive detection of caspase-3 enzymatic activities and inhibitor screening by mass spectrometry with dual maleimide labelling quantitation. <b>2019</b> , 144, 6751-6759  | 5  |
| 749 | Glassy dynamics in models of confluent tissue with mitosis and apoptosis. <b>2019</b> , 15, 9133-9149  | 16 |
| 748 | ALG-2/AGO-Dependent Family Regulates DNA Damage-Induced Apoptosis Through MPK-1/ERK MAPK Signaling Downstream of the Core Apoptotic Machinery in. <b>2019</b> , 213, 173-194   | 8  |
| 747 | Synthesis and DNase I inhibitory properties of some 4-thiazolidinone derivatives. <b>2019</b> , 120, 264-274   | 6  |
| 746 | Vitamin D protects against hippocampal apoptosis related with seizures induced by kainic acid and pentylenetetrazol in rats. <b>2019</b> , 149, 107-116  | 14 |
| 745 | A Fluorogenic Probe for Cell Surface Phosphatidylserine Using an Intramolecular Indicator Displacement Sensing Mechanism. <b>2019</b> , 131, 3119-3123   | 7  |
| 744 | Synthesis, DNA binding and cancer cell toxicity of Cu(II)-complexes of a tricationic nitro-porphyrin or analogous porphyrins with pendant Schiff bases derived from reduction of the nitro group. <b>2019</b> , 486, 538-545 | 5  |
| 743 | A Fluorogenic Probe for Cell Surface Phosphatidylserine Using an Intramolecular Indicator Displacement Sensing Mechanism. <b>2019</b> , 58, 3087-3091  | 33 |
| 742 | Restoration of skeletal muscle homeostasis by hydrogen sulfide during hyperhomocysteinemia-mediated oxidative/ER stress condition. <b>2019</b> , 97, 441-456   | 11 |
| 741 | Exposure to a Nonionic Surfactant Induces a Response Akin to Heat-Shock Apoptosis in Intestinal Epithelial Cells: Implications for Excipients Safety. <b>2019</b> , 16, 618-631  | 8  |
| 740 | Authors' reply. <b>2019</b> , 64, 133  |    |
| 739 | IL-39 acts as a friend to pancreatic cancer. <b>2018</b> , 36, 12  | 6  |
| 738 | Effect of Modified Wuzi Yanzong Pill () on Tip60-Mediated Apoptosis in Testis of Male Rats after Microwave Radiation. <b>2019</b> , 25, 342-347  | 4  |
| 737 | A Potential Role for Green Tea as a Radiation Sensitizer for Prostate Cancer. <b>2019</b> , 25, 263-268  | 5  |
| 736 | Denervation drives skeletal muscle atrophy and induces mitochondrial dysfunction, mitophagy and apoptosis via miR-142a-5p/MFN1 axis. <b>2020</b> , 10, 1415-1432   | 19 |
| 735 | 4-(4-Chlorophenyl)thiazol-2-amines as pioneers of potential neurodegenerative therapeutics with anti-inflammatory properties based on dual DNase I and 5-LO inhibition. <b>2020</b> , 95, 103528                             | 5  |
| 734 | Biogenic synthesis of silver nanoparticles: Antibacterial and cytotoxic potential. <b>2020</b> , 27, 1340-1351   | 25 |
| 733 | Protection from doxorubicin-induced nephrotoxicity by clindamycin: novel antioxidant, anti-inflammatory and anti-apoptotic roles. <b>2020</b> , 393, 739-748   | 14 |



|     |  |     |
|-----|--|-----|
| 732 | Ammonia inhalation impaired immune function and mitochondrial integrity in the broilers bursa of fabricius: Implication of oxidative stress and apoptosis. <b>2020</b> , 190, 110078               | 40  |
| 731 | Thioredoxin 1 Plays a Protective Role in Retinas Exposed to Perinatal Hypoxia-Ischemia. <b>2020</b> , 425, 235-250   | 2   |
| 730 | Selective inhibition of PKR improves vascular inflammation and remodelling in high fructose treated primary vascular smooth muscle cells. <b>2020</b> , 1866, 165606                               | 6   |
| 729 | Energy Metabolism Mechanism of Anticardiogenic Shock Effect Component Ginsenoside Rc of Shenfu Injection on H9c2 Myocardial Injury Cells Induced by Hypoxia/Reoxygenation. <b>2020</b> , 2020, 1-8 |     |
| 728 | Neuroinflammation in Primary Open-Angle Glaucoma. <b>2020</b> , 9,   | 20  |
| 727 | Cell cycle re-entry of neurons and reactive neuroblastosis in Huntington's disease: Possibilities for neural-gliial transition in the brain. <b>2020</b> , 263, 118569                             | 8   |
| 726 | Chronic exposure of hydrogen peroxide alters redox state, apoptosis and endoplasmic reticulum stress in common carp ( <i>Cyprinus carpio</i> ). <b>2020</b> , 229, 105657                          | 10  |
| 725 | Caspase-3, p53 and Bcl-2 expression in basal cell carcinoma of the eyelid. <b>2020</b> , 37, 535-539   | 3   |
| 724 | Phytochemical Fingerprinting and Activity of Extracts from the Leaves of ( <i>Fabaceae</i> ) on Jurkat-T Cells. <b>2020</b> , 2020, 1263702  | 2   |
| 723 | Ethylene glycol monomethyl ether-induced testicular oxidative stress and time-dependent up-regulation of apoptotic, pro-inflammatory, and oncogenic markers in rats. <b>2020</b> , 7, 100051       | 4   |
| 722 | Inhibitory effects of <i>Bombyx mori</i> antimicrobial peptide cecropins on esophageal cancer cells. <b>2020</b> , 887, 173434   | 5   |
| 721 | Oxidative Stress and Apoptotic Responses Elicited by -Synthesized Silver Nanoparticles against Different Cancer Cell Lines. <b>2020</b> , 12,  | 19  |
| 720 | Novel nickel(II), palladium(II), and platinum(II) complexes having a pyrrolyl-iminophosphine (PNN) pincer: Synthesis, crystal structures, and cytotoxic activity. <b>2020</b> , 205, 111015        | 11  |
| 719 | Clinicopathological significance of VEGF and pAkt expressions in oral squamous cell carcinoma. <b>2020</b> , 13, 507-515   | 1   |
| 718 | Tumor Microenvironment. <b>2020</b> ,  |     |
| 717 | Emerging connectivity of programmed cell death pathways and its physiological implications. <b>2020</b> , 21, 678-695  | 141 |
| 716 | Non-Coding RNAs: Strategy for Viruses' Offensive. <b>2020</b> , 6,   | 1   |
| 715 | Identification of Novel Genes Associated with Cortical Thickness in Alzheimer's Disease: Systems Biology Approach to Neuroimaging Endophenotype. <b>2020</b> , 75, 531-545                         | 3   |

|     |   |    |
|-----|---|----|
| 714 | The influence of selected gastrointestinal parasites on apoptosis in intestinal epithelial cells. <b>2020</b> , 10,   | 8  |
| 713 | Susceptibility and Resistance Mechanisms During Photodynamic Therapy of Melanoma. <b>2020</b> , 10, 597   | 14 |
| 712 | Ginkgo biloba Seeds. <b>2020</b> , 241-254  | 0  |
| 711 | An ESIPT-based ratiometric fluorescent probe for the discrimination of live and dead cells. <b>2020</b> , 240, 118588   | 3  |
| 710 | Methyl cellosolve-induced renal oxidative stress and time-dependent up-regulation of pro-inflammatory cytokines, apoptotic, and oncogenic markers in rats. <b>2020</b> , 7, 779-787   | 3  |
| 709 | Comparison of phenolics, antioxidant, and antiproliferative activities of two <i>Hypsizygus marmoreus</i> varieties. <b>2020</b> , 85, 2227-2235  | 4  |
| 708 | Uptake, efflux, and toxicity of inorganic and methyl mercury in the endothelial cells (EA.hy926). <b>2020</b> , 10, 9023  | 4  |
| 707 | The pro-apoptotic ARTS protein induces neutrophil apoptosis, efferocytosis, and macrophage reprogramming to promote resolution of inflammation. <b>2020</b> , 25, 558-573   | 6  |
| 706 | Pathogenesis. <b>2020</b> , 303-345   | 3  |
| 705 | Detection of cell-surface phosphatidylserine using the fluorogenic probe P-IID. <b>2020</b> , 640, 291-307  | 2  |
| 704 | Restoration of L-OPA1 alleviates acute ischemic stroke injury in rats via inhibiting neuronal apoptosis and preserving mitochondrial function. <b>2020</b> , 34, 101503   | 35 |
| 703 | Apoptosis-inducing activity of safflower ( <i>Carthamus tinctorius</i> L.) seed oil in lung, colorectal and cervix cancer cells. <b>2020</b> , 75, 1465-1471  | 2  |
| 702 | Targeting XIAP for Promoting Cancer Cell Death-The Story of ARTS and SMAC. <b>2020</b> , 9,   | 30 |
| 701 | TGF-beta: a master immune regulator. <b>2020</b> , 24, 427-438  | 32 |
| 700 | Autophagy as a modulator of cell death machinery. <b>2020</b> , 11, 517   | 49 |
| 699 | A synthetic coumarin derivative (4-fluorophenylacetamide-acetyl coumarin) impedes cell cycle at G0/G1 stage, induces apoptosis, and inhibits metastasis via ROS-mediated p53 and AKT signaling pathways in A549 cells. <b>2020</b> , 34, e22553 | 8  |
| 698 | 6H2L, a novel synthetic derivative of bifendate, induces apoptosis in hepatoma cells via mitochondrial and MAPK pathway. <b>2020</b> , 882, 173299  | 2  |
| 697 | Ferroptosis mediated by the interaction between Mfn2 and IRE1 $\beta$ promotes arsenic-induced nonalcoholic steatohepatitis. <b>2020</b> , 188, 109824  | 22 |

|     |   |    |
|-----|---|----|
| 696 | Multifunctional memantine nitrate significantly protects against glutamate-induced excitotoxicity via inhibiting calcium influx and attenuating PI3K/Akt/GSK3beta pathway. <b>2020</b> , 325, 109020              | 9  |
| 695 | Manipulation of Host Cell Death Pathways by Herpes Simplex Virus. <b>2020</b> , 1   | 9  |
| 694 | Apoptotic functions of microRNAs in pathogenesis, diagnosis, and treatment of endometriosis. <b>2020</b> , 10, 12   | 13 |
| 693 | Targeting apoptotic caspases in cancer. <b>2020</b> , 1867, 118688  | 69 |
| 692 | Transcriptional Profiling Reveals the Regulatory Role of in Promoting Colorectal Cancer. <b>2019</b> , 10, 1360   | 10 |
| 691 | Synthesis and in vitro investigation of novel cytotoxic pyrimidine and pyrazolopyrimidine derivatives showing apoptotic effect. <b>2020</b> , 96, 103621  | 7  |
| 690 | High-Concentrate Feeding to Dairy Cows Induces Apoptosis via the NOD1/Caspase-8 Pathway in Mammary Epithelial Cells. <b>2020</b> , 11,  | 1  |
| 689 | NGF mediates protection of mesenchymal stem cells-conditioned medium against 2,5-hexanedione-induced apoptosis of VSC4.1 cells via Akt/Bad pathway. <b>2020</b> , 469, 53-64                                      | 3  |
| 688 | 4-Hydroxy-7-oxo-5-heptenoic acid (HOHA) lactone induces apoptosis in retinal pigment epithelial cells. <b>2020</b> , 152, 280-294   | 3  |
| 687 | Modulatory Effects of Ethyl Acetate and Methanol Fractions of the Stem Bark Extract of <i>Alstonia boonei</i> on Mitochondrial-Mediated Apoptosis. <b>2020</b> , 26, 340-355                                      | 1  |
| 686 | Astragaloside IV attenuates chronic intermittent hypoxia-induced myocardial injury by modulating Ca homeostasis. <b>2020</b> , 38, 710-720  | 5  |
| 685 | Endothelin-1-induced endothelial microvesicles impair endothelial cell function. <b>2020</b> , 128, 1497-1505   | 3  |
| 684 | High expression of the gene might promote apoptosis through downregulation of the Ras/ERK signalling pathway in the intestinal type of gastric cancer. <b>2020</b> , 48, 300060520909025                          | 2  |
| 683 | Competition Between Phenothiazines and BH3 Peptide for the Binding Site of the Antiapoptotic BCL-2 Protein. <b>2020</b> , 8, 235  | 6  |
| 682 | Baicalin attenuated <i>Mycoplasma gallisepticum</i> -induced immune impairment in chicken bursa of fabricius through modulation of autophagy and inhibited inflammation and apoptosis. <b>2021</b> , 101, 880-890 | 15 |
| 681 | Structure-activity relationship studies of phenothiazine derivatives as a new class of ferroptosis inhibitors together with the therapeutic effect in an ischemic stroke model. <b>2021</b> , 209, 112842         | 13 |
| 680 | The role of ATF6 in Cr(VI)-induced apoptosis in DF-1 cells. <b>2021</b> , 410, 124607   | 5  |
| 679 | [6]-Gingerol impedes 7,12-dimethylbenz(a)anthracene-induced inflammation and cell proliferation-associated hamster buccal pouch carcinogenesis through modulating Nrf2 signaling events. <b>2021</b> , 35, e22689 | 7  |

|     |   |    |
|-----|---|----|
| 678 | Dietary teprenone enhances non-specific immunity, antioxidative response and resistance to hypoxia induced oxidative stress in <i>Lateolabrax maculatus</i> . <b>2021</b> , 533, 736126   | 7  |
| 677 | Syphilitic infection impairs immunity by inducing both apoptosis and pyroptosis of CD4 and CD8 T lymphocytes. <b>2021</b> , 27, 99-106  | 0  |
| 676 | Multimodality approaches to control esophageal cancer: development of chemoradiotherapy, chemotherapy, and immunotherapy. <b>2021</b> , 18, 25-32   | 11 |
| 675 | Dysfunction of peripheral regulatory T cells predicts lung injury after cardiopulmonary bypass. <b>2021</b> ,   |    |
| 674 | Genomic variants in Fas-mediated apoptosis pathway predict a poor response to Platinum-based Chemotherapy for Chinese Gastric Cancer Patients. <b>2021</b> , 12, 849-859  | 1  |
| 673 | Baculoviral inhibitor of apoptosis family of proteins repeat-containing 5 gene methylation status in peripheral blood mononuclear cells and plasma survivin levels in patients with Behçet's disease. <b>2021</b> , 36, 185-191 |    |
| 672 | An RNAi screen of the kinome in epithelial follicle cells of the <i>Drosophila melanogaster</i> ovary reveals genes required for proper germline death and clearance. <b>2021</b> , 11,   | 2  |
| 671 | The Fas/FasL pathway as a target for enhancing anticancer adoptive cell therapy. <b>2021</b> , 47-68  |    |
| 670 | Artemisinin Derivatives Inhibit Non-small Cell Lung Cancer Cells Through Induction of ROS-dependent Apoptosis/Ferroptosis. <b>2021</b> , 12, 4075-4085  | 13 |
| 669 | LncRNAs and Immunity: Coding the Immune System with Noncoding Oligonucleotides. <b>2021</b> , 22,   | 5  |
| 668 | The protective mechanism of action of plantamajoside on a rat model of acute spinal cord injury. <b>2021</b> , 21, 378  | 1  |
| 667 | Physiological and Pharmacological Roles of PTH and PTHrP in Bone Using Their Shared Receptor, PTH1R. <b>2021</b> , 42, 383-406  | 6  |
| 666 | Investigation of singlet oxygen production property of peripherally tetra-substituted In(III)Cl phthalocyanine for photodynamic therapy. 281-290  |    |
| 665 | Discovery of Substituted N-(6-Chloro-3-cyano-4-phenyl-4H-chromen-2-yl)-2-(4-chloro-phenoxy)-acetamide for Biphasic Anticancer and Anticonvulsant Activities. <b>2021</b> , 17, 203-215  | 2  |
| 664 | The inhibitory effect of melatonin on human prostate cancer. <b>2021</b> , 19, 34   | 8  |
| 663 | The role of P53 up-regulated modulator of apoptosis (PUMA) in ovarian development, cardiovascular and neurodegenerative diseases. <b>2021</b> , 26, 235-247   | 13 |
| 662 | Reduced phagocytosis, ROS production and enhanced apoptosis of leukocytes upon alcohol drinking in healthy volunteers. <b>2021</b> , 1  | 2  |
| 661 | Serum deprivation-response protein induces apoptosis in hepatocellular carcinoma through ASK1-JNK/p38 MAPK pathways. <b>2021</b> , 12, 425  | 3  |

|     |  |    |
|-----|--|----|
| 660 | Synthesis of NNN Chiral Ruthenium Complexes and Their Cytotoxicity Studies. <b>2021</b> , 60, 7422-7432  | 4  |
| 659 | TRP Channels in Brain Tumors. <b>2021</b> , 9, 617801  | 10 |
| 658 | A novel and distinctive mode of cell death revealed by using non-thermal atmospheric pressure plasma: The involvements of reactive oxygen species and the translation inhibitor Pdcd4. <b>2021</b> , 338, 109403 | 2  |
| 657 | Transcriptome Profiling Analysis of the Testis After Eystalk Ablation for Selection of the Candidate Genes Involved in the Male Sexual Development in. <b>2021</b> , 12, 675928                                  | 1  |
| 656 | Neurotoxicity of zearalenone's metabolites and beauvericin mycotoxins via apoptosis and cell cycle disruption. <b>2021</b> , 456, 152784   | 4  |
| 655 | Programmed cell death in stem cell-based therapy: Mechanisms and clinical applications. <b>2021</b> , 13, 386-415  | 6  |
| 654 | Expression of apoptosome-related genes in periodontitis. <b>2021</b> , 23, 101029  |    |
| 653 | Multiple cell death pathways triggered by temperature-mediated synergistic effect derived from chiral phototheranostic ablation nanoagents. <b>2021</b> , 23, 101001   | 3  |
| 652 | Mechanism of Ferroptosis and Its Role in Type 2 Diabetes Mellitus. <b>2021</b> , 2021, 9999612   | 22 |
| 651 | Intestinal ischemic reperfusion injury: Recommended rats model and comprehensive review for protective strategies. <b>2021</b> , 138, 111482   | 4  |
| 650 | Induction of apoptosis in SSN-1 cells by Snakehead Fish Vesiculovirus (SHVV) via Matrix protein dependent intrinsic pathway. <b>2021</b> , 113, 24-34  | 0  |
| 649 | Ferroptosis in Different Pathological Contexts Seen through the Eyes of Mitochondria. <b>2021</b> , 2021, 5537330  | 10 |
| 648 | Experimental Tracheal Replacement: Angiogenesis and Null Apoptosis Promote Stenosis. <b>2021</b> , 54, 191-199   |    |
| 647 | Discovery of novel furo[2,3-d]pyrimidin-2-one-1,3,4-oxadiazole hybrid derivatives as dual antiviral and anticancer agents that induce apoptosis. <b>2021</b> , 354, e2100146                                     | 9  |
| 646 | Flow cytometric analysis of morphologic and immunological characterisation of the tiger shrimp <i>Penaeus monodon</i> haemocytes. <b>2021</b> , 20, 100748   | 0  |
| 645 | 1,2,3,4-Tetrahydroisoquinoline Derivatives as a Novel Deoxyribonuclease I Inhibitors. <b>2021</b> , 18, e2100261   | 0  |
| 644 | Molecular identification of an immunity- and Ferroptosis-related gene signature in non-small cell lung Cancer. <b>2021</b> , 21, 783   | 6  |
| 643 | Direct Fluorination Strategy for the Synthesis of Fluorine-18 Labeled Oligopeptide[ <sup>18</sup> F]ApoPep-7. <b>2021</b> , 42, 1161-1166  | 0  |

|     |   |    |
|-----|---|----|
| 642 | Methyl mercury triggers endothelial leukocyte adhesion and increases expression of cell adhesion molecules and chemokines. <b>2021</b> , 246, 2522-2532   |    |
| 641 | Oridonin induces autophagy-mediated cell death in pancreatic cancer by activating the c-Jun N-terminal kinase pathway and inhibiting phosphoinositide 3-kinase signaling. <b>2021</b> , 9, 1084                                 | 2  |
| 640 | Synthetic phenolic antioxidants: Metabolism, hazards and mechanism of action. <b>2021</b> , 353, 129488   | 39 |
| 639 | Differential effects of phenolic extracts from red-fleshed apple peels and flesh induced G1 cell cycle arrest and apoptosis in human breast cancer MDA-MB-231 cells. <b>2021</b> , 86, 4209-4222                                | 0  |
| 638 | Research Progress on the Natural Product Aloperine and Its Derivatives. <b>2021</b> ,   | 1  |
| 637 | Hypoxic-Ischemic Brain Injury after Perinatal Asphyxia as a Possible Factor in the Pathology of Alzheimer's Disease.  | 0  |
| 636 | The antioxidant and anti-apoptotic potential of Pleurotus eryngii extract and its chitosan-loaded nanoparticles against doxorubicin-induced testicular toxicity in male rats. <b>2021</b> , 53, e14225                          | 0  |
| 635 | New water soluble magnesium phthalocyanine as a potential anticancer drug: Cytotoxic and apoptotic effect on different cancer cell lines. A-M   | 0  |
| 634 | The enhancement of Tetrandrine to gemcitabine-resistant PANC-1 cytochemical sensitivity involves the promotion of PI3K/Akt/mTOR-mediated apoptosis and AMPK-regulated autophagy. <b>2021</b> , 123, 151769                      | 4  |
| 633 | New therapeutic strategy: Personalization of pancreatic cancer treatment-irreversible electroporation (IRE), electrochemotherapy (ECT) and calcium electroporation (CaEP) - A pilot preclinical study. <b>2021</b> , 38, 101634 | 2  |
| 632 | Protein acylation by saturated very long chain fatty acids and endocytosis are involved in necroptosis. <b>2021</b> , 28, 1298-1309.e7  | 1  |
| 631 | Quantitative evaluation of the dynamic activity of HeLa cells in different viability states using dynamic full-field optical coherence microscopy. <b>2021</b> , 12, 6431-6441  | 0  |
| 630 | Revealing new therapeutic opportunities in hypertension through network-driven integrative genetic analysis and drug target prediction approach. <b>2021</b> , 801, 145856  | 1  |
| 629 | G6PD inhibits ferroptosis in hepatocellular carcinoma by targeting cytochrome P450 oxidoreductase. <b>2021</b> , 87, 110098   | 4  |
| 628 | Effects of 4-epianhydrotetracycline on oxidative stress in zebrafish (Danio rerio) embryos. <b>2021</b> , 796, 149047   | 4  |
| 627 | Cardiovascular diseases: Altering apoptosis for a healthy heart. <b>2021</b> , 209-215  |    |
| 626 | Molecular genetic changes in gastric carcinoma. 6, 30-46  | 1  |
| 625 | Skin: Immunological Defence Mechanisms.   | 1  |

|     |   |    |
|-----|---|----|
| 624 | Visualization of Proteins and Cells Using Dithiol-reactive Metal Complexes. 215-232   | 4  |
| 623 | Products from Basidiomycetes. 489-533   | 2  |
| 622 | Sono/Photodynamic Nanomedicine-Elicited Cancer Immunotherapy. <b>2021</b> , 31, 2008061   | 22 |
| 621 | Apoptosis: Implications for Inflammatory Bowel Disease. 6, 191-205  | 5  |
| 620 | Mitochondrial Regulation of Plant Programmed Cell Death. <b>2011</b> , 439-465  | 12 |
| 619 | Hypertension as a cardiovascular proliferative disorder. <b>2000</b> , 213-222  | 1  |
| 618 | Radiation Induced Cell Deaths. <b>2008</b> , 215-248  | 1  |
| 617 | Apoptotic, Autophagic and Necrotic Cell Death Types in Pathophysiological Conditions: Morphological and Histological Aspects. <b>2009</b> , 33-62 | 2  |
| 616 | Mast cell apoptosis and survival. <b>2011</b> , 716, 47-60  | 25 |
| 615 | Proteases. <b>1999</b> , 91-101   | 1  |
| 614 | Neuronal Cell Death in <i>C. elegans</i> . <b>1999</b> , 123-144  | 2  |
| 613 | Synthetic Estrogen-Mediated Alterations in Uterine Cell Fate. <b>1997</b> , 272-291   | 1  |
| 612 | Hormonal Regulation of Germ Cell Apoptosis. <b>1998</b> , 150-164   | 2  |
| 611 | Caspase cascades in chemically-induced apoptosis. <b>2001</b> , 500, 407-20   | 19 |
| 610 | Autoimmune lymphoproliferative syndrome: types I, II and beyond. <b>2001</b> , 490, 49-57   | 15 |
| 609 | Neuroprotective strategies in epilepsy. <b>2002</b> , 497, 209-24   | 1  |
| 608 | A2E Inhibits Mitochondrial Function, Causes the Release of Pro-Apoptotic Proteins and Induces Apoptosis in Mammalian Cells. <b>2001</b> , 223-233 | 1  |
| 607 | Colonic cell proliferation and apoptosis in rodent species. Modulation by diet. <b>1999</b> , 470, 105-18   | 11 |

|     |   |     |
|-----|---|-----|
| 606 | Apoptosis in Autoimmune Thyroid Disease. <b>2000</b> , 107-126  | 1   |
| 605 | Control of Apoptosis Through Gene Regulation. <b>1998</b> , 119-142   | 1   |
| 604 | Role of NO and Nitrogen Intermediates in Regulation of Cell Functions. <b>1997</b> , 22-51  | 3   |
| 603 | Imaging Myocardial Necrosis and Apoptosis. <b>2003</b> , 197-216  | 3   |
| 602 | Molecular and Biologic Factors in Aging: The Origins, Causes, and Prevention of Senescence. <b>1997</b> , 3-28                                      | 4   |
| 601 | Apoptosis as a Stress Response. <b>1997</b> , 109-135   | 1   |
| 600 | The Role of Oxidative Processes and Metal Ions in Aging and Alzheimer's Disease. <b>1997</b> , 237-275  | 8   |
| 599 | Role of ICE-proteases in apoptosis. <b>1996</b> , 406, 113-7  | 21  |
| 598 | Regulation of Programmed Cell Death by Baculoviruses. <b>1997</b> , 237-266   | 17  |
| 597 | Ubiquitin and the Molecular Pathology of Human Disease. <b>1998</b> , 429-462   | 6   |
| 596 | Real-time imaging of retinal cell apoptosis by confocal scanning laser ophthalmoscopy. <b>2015</b> , 1254, 227-37                                   | 7   |
| 595 | Apoptosis and Alzheimer's Disease. <b>1997</b> , 57-71  | 2   |
| 594 | Stroke. <b>1997</b> , 1-30  | 2   |
| 593 | Molecular Mimicry, Altered Apoptosis, and Immunomodulation as Mechanisms of Viral Pathogenesis in Systemic Lupus Erythematosus. <b>1999</b> , 43-64 | 7   |
| 592 | Caspase-3 activation is a critical determinant of genotoxic stress-induced apoptosis. <b>2008</b> , 414, 13-21                                      | 143 |
| 591 | Measuring mitochondrial shape changes and their consequences on mitochondrial involvement during apoptosis. <b>2007</b> , 372, 405-20               | 20  |
| 590 | In situ detection of cell death in articular cartilage. <b>2007</b> , 135, 183-99   | 2   |
| 589 | Monitoring nanoparticle-treated hepatocarcinoma cells for apoptosis. <b>2011</b> , 697, 167-72  | 1   |



|     |  |    |
|-----|--|----|
| 588 | Provitamin A Carotenoids and Cancer Prevention. <b>2013</b> , 181-192  | 1  |
| 587 | COX-2 Signaling in the Tumor Microenvironment. <b>2020</b> , 1277, 87-104  | 8  |
| 586 | Regional Delivery of Retinoids: A New Approach to Early Lung Cancer Intervention. <b>1998</b> , 273-283          | 11 |
| 585 | Contributions of cell death to aging in <i>C. elegans</i> . <b>2000</b> , 29, 113-29                             | 2  |
| 584 | Radiation-induced cell death and its implications in human disease. <b>1998</b> , 24, 213-32                     | 3  |
| 583 | The IAP family of apoptotic regulators. <b>1998</b> , 24, 91-104   | 5  |
| 582 | Apoptosis versus necrosis: the shape of neuronal cell death. <b>1998</b> , 24, 105-35                            | 20 |
| 581 | Prevention of neuronal cell death by Bcl-2. <b>1998</b> , 24, 137-55   | 6  |
| 580 | CD95 (APO-1/Fas) in hematopoietic diseases. <b>1998</b> , 24, 157-74   | 2  |
| 579 | Growth Control by Retinoids: Regulation of Cell Cycle Progression and Apoptosis. <b>1999</b> , 239-276           | 1  |
| 578 | Small GTPases of the Rho family and cell transformation. <b>1999</b> , 22, 159-81                                | 14 |
| 577 | Apoptosis: molecular regulation of cell death. <b>1996</b> , 19-44   | 3  |
| 576 | The Gerhard Zbinden Memorial Lecture. Alteration of cell signalling in chemical toxicity. <b>1996</b> , 18, 3-11 | 4  |
| 575 | An Overview of Apoptosis with Emphasis on Its Biodefence Functions. <b>1998</b> , 69-75                          | 2  |
| 574 | Apoptosis and the cytopathic effects of reovirus. <b>1998</b> , 233, 23-49                                       | 24 |
| 573 | Sponges (Porifera) molecular model systems to study cellular differentiation in Metazoa. <b>1998</b> , 21, 71-95 | 3  |
| 572 | Alternative pre-mRNA splicing and regulation of programmed cell death. <b>2003</b> , 31, 153-85                  | 49 |
| 571 | Programmed cell death in virus infections of the nervous system. <b>2001</b> , 253, 95-119                       | 36 |

|     |  |    |
|-----|--|----|
| 570 | Mitochondrial Regulation of Apoptosis. <b>1998</b> , 147-165   | 3  |
| 569 | Mammalian Cell Sorting with Sedimentation Field-Flow Fractionation. <b>2012</b> , 223-253  | 4  |
| 568 | Neurotoxins induce apoptosis in dopamine neurons: protection by N-propargylamine-1(R)- and (S)-aminoindan, rasagiline and TV1022. <b>2000</b> , 171-86 | 24 |
| 567 | Cell death in prion disease. <b>1997</b> , 50, 191-210   | 27 |
| 566 | Induction of mitosis-related genes during dopamine-triggered apoptosis in sympathetic neurons. <b>1997</b> , 50, 67-78                                 | 21 |
| 565 | Apoptosis in neurodegenerative disorders: potential for therapy by modifying gene transcription. <b>1997</b> , 49, 245-68                              | 32 |
| 564 | The Insulin-like Growth Factor-I Receptor and the Central Nervous System: Mechanisms Involved in the Prevention of Apoptosis. <b>1998</b> , 17-27      | 1  |
| 563 | IGF-I in Neuronal Differentiation and Neuroprotection. <b>1998</b> , 28-46   | 2  |
| 562 | Low-Molecular-Weight DNA of Blood Plasma as an Indicator of Pathological Processes. <b>2010</b> , 165-170  | 1  |
| 561 | βCarotene and Other Carotenoids in Cancer Prevention. <b>2011</b> , 67-89  | 1  |
| 560 | Cell Growth and Cell Death Studied by Electric Cell-Substrate Impedance Sensing. <b>2012</b> , 85-117  | 5  |
| 559 | Aging in Sponges. <b>2003</b> , 79-98  | 1  |
| 558 | Apoptosis during early somatic embryogenesis in Picea spp.. <b>1999</b> , 125-147  | 5  |
| 557 | The role of zinc in caspase activation and apoptotic cell death. <b>2001</b> , 129-144   | 11 |
| 556 | Upregulated expression of Fas antigen on cultured human keratinocytes with induction of apoptosis by cisplatin. <b>1996</b> , 288, 267                 | 1  |
| 555 | Pathogenesis. <b>2003</b> , 245-282  | 1  |
| 554 | Reduction of neuronal apoptosis by small molecules. <b>1996</b> , 209-220  | 12 |
| 553 | Apoptosis: The Relation between Anti-Fas antibodies, and Immunosurveillance Against Cancer and Autoimmunity. <b>2000</b> , 277-283                     | 2  |

|     |  |     |
|-----|--|-----|
| 552 | Pathogenicity of Antiendothelial Cell Autoantibodies. <b>2001</b> , 203-210  | 0   |
| 551 | Cell Survival and Death in Rheumatic Diseases. <b>2009</b> , 379-395   | 1   |
| 550 | Heat shock transcription factor 2 inhibits intestinal epithelial cell apoptosis through the mitochondrial pathway in ulcerative colitis. <b>2020</b> , 527, 173-179        | 9   |
| 549 | Association of CASP8 polymorphisms and cancer susceptibility: A meta-analysis. <b>2020</b> , 881, 173201   | 9   |
| 548 | The Inhibitor of Apoptosis, cIAP2, Functions as a Ubiquitin-Protein Ligase and Promotes in Vitro Monoubiquitination of Caspases 3 and 7. <b>2000</b> , 275, 26661-26664    | 262 |
| 547 | Role of sphingolipid-mediated cell death in neurodegenerative diseases. <b>1998</b> , 39, 1-16   | 137 |
| 546 | A conserved tetrapeptide motif: potentiating apoptosis through IAP-binding.  | 7   |
| 545 | Spontaneous apoptosis in primary cultures of human and rat hepatocytes: molecular mechanisms and regulation by dexamethasone. <b>9</b> , 945-955                           | 9   |
| 544 | Diversity of the apoptotic response to chemotherapy in childhood leukemia.   | 1   |
| 543 | Synergistic neuroprotective effect of schisandrin and nootkatone on regulating inflammation, apoptosis and autophagy via the PI3K/AKT pathway. <b>2020</b> , 11, 2427-2438 | 22  |
| 542 | Controlling the mitochondrial gatekeeper for effective chemotherapy. <b>2000</b> , 111, 52-60  | 5   |
| 541 | Imbalance between cytoproliferation and apoptosis in hepatitis C virus related chronic liver disease. <b>2001</b> , 8, 34-40   | 26  |
| 540 | Bcl-2 prevents CD95 (Fas/APO-1)-induced degradation of lamin B and poly(ADP-ribose) polymerase and restores the NF-kappaB signaling pathway. <b>1996</b> , 271, 30354-9    | 86  |
| 539 | bcl-2 expression in pilomatricoma. <b>1997</b> , 19, 254-7   | 54  |
| 538 | Will tolerance become a clinical reality?. <b>1997</b> , 313, 310-4  | 10  |
| 537 | Apoptotic bodies: a consistent morphologic feature of endocervical adenocarcinoma in situ. <b>1998</b> , 22, 434-9   | 34  |
| 536 | Mechanisms of secondary brain injury. <b>1996</b> , 13, 247-268  | 195 |
| 535 | Oxidants, transcription factors, and intestinal inflammation. <b>1997</b> , 25 Suppl 1, S61-72   | 31  |

|     |   |     |
|-----|---|-----|
| 534 | Resuscitation with lactated Ringer's solution in rats with hemorrhagic shock induces immediate apoptosis. <b>1999</b> , 46, 582-8; discussion 588-9                           | 89  |
| 533 | Apoptosis in the Rat Penis After Penile Denervation. <b>1997</b> , 626-630  | 6   |
| 532 | Primary Apoptosis as a Prognostic Index for the Classification of Metastatic Renal Cell Carcinoma. <b>2002</b> , 460-464  | 2   |
| 531 | Current concepts in neuro-oncology: the cell cycle--a review. <b>1997</b> , 40, 1000-13; discussion 1013-5  | 66  |
| 530 | Apoptosis in the human female reproductive tract. <b>1996</b> , 51, 314-23  | 37  |
| 529 | FK506 potentiates steroid-induced T-cell apoptosis. <b>1997</b> , 64, 1365-9  | 17  |
| 528 | Apoptosis and increased expression of inducible nitric oxide synthase in human allograft rejection. <b>1998</b> , 65, 804-12  | 113 |
| 527 | Genetic modification of liver grafts with an adenoviral vector encoding the Bcl-2 gene improves organ preservation. <b>1999</b> , 67, 775-83                                  | 51  |
| 526 | Protection by vascular endothelial growth factor against sinusoidal endothelial damage and apoptosis induced by cold preservation. <b>2000</b> , 69, 141-7                    | 36  |
| 525 | Antioxidants and nutrition support. <b>1999</b> , 2, 1-3  | 12  |
| 524 | Functional polymorphisms in the promoter regions of the FAS and FAS ligand genes and risk of bladder cancer in south China: a case-control analysis. <b>2006</b> , 16, 245-51 | 43  |
| 523 | The inhibitors of apoptosis of Epiphyas postvittana nucleopolyhedrovirus. <b>2000</b> , 81, 2803-2811   | 45  |
| 522 | Ectromelia virus virulence factor p28 acts upstream of caspase-3 in response to UV light-induced apoptosis. <b>2000</b> , 81, 1087-97   | 33  |
| 521 | Infection of wild-type Autographa californica multicapsid nucleopolyhedrovirus induces in vivo apoptosis of Spodoptera litura larvae. <b>2002</b> , 83, 3003-3011             | 32  |
| 520 | A time to kill: viral manipulation of the cell death program. <b>2002</b> , 83, 1547-1564   | 210 |
| 519 | Viruses and apoptosis. <b>2001</b> , 82, 65-76  | 51  |
| 518 | Effects of mycobacteria on regulation of apoptosis in mononuclear phagocytes. <b>1997</b> , 65, 5272-8  | 98  |
| 517 | Cytotoxic distending toxin of Haemophilus ducreyi induces apoptotic death of Jurkat T cells. <b>1999</b> , 67, 6394-402   | 84  |

|     |  |     |
|-----|--|-----|
| 516 | Fas-FasL interaction involved in pathogenesis of ocular toxoplasmosis in mice. <b>1999</b> , 67, 928-35  | 56  |
| 515 | Activation of caspase 3 during Legionella pneumophila-induced apoptosis. <b>1999</b> , 67, 4886-94   | 91  |
| 514 | bcl-2 alters influenza virus yield, spread, and hemagglutinin glycosylation. <b>1996</b> , 70, 663-6   | 91  |
| 513 | Squamous epithelial hyperplasia and carcinoma in mice transgenic for the human papillomavirus type 16 E7 oncogene. <b>1996</b> , 70, 1873-81   | 207 |
| 512 | The adenovirus death protein (E3-11.6K) is required at very late stages of infection for efficient cell lysis and release of adenovirus from infected cells. <b>1996</b> , 70, 2296-306      | 260 |
| 511 | Apoptotic suppression by baculovirus P35 involves cleavage by and inhibition of a virus-induced CED-3/ICE-like protease. <b>1996</b> , 70, 6251-9  | 139 |
| 510 | Both wild-type and strongly attenuated bovine leukemia viruses protect peripheral blood mononuclear cells from apoptosis. <b>1997</b> , 71, 630-9  | 36  |
| 509 | Role of early and late replication events in induction of apoptosis by baculoviruses. <b>1997</b> , 71, 1530-7   | 52  |
| 508 | Apoptosis plays an important role in experimental rabies virus infection. <b>1997</b> , 71, 5603-7   | 74  |
| 507 | Molecular and cellular analysis of human immunodeficiency virus-induced apoptosis in lymphoblastoid T-cell-line-expressing wild-type and mutated CD4 receptors. <b>1998</b> , 72, 8061-72    | 34  |
| 506 | Attachment but not penetration of bovine herpesvirus 1 is necessary to induce apoptosis in target cells. <b>1998</b> , 72, 7638-41   | 43  |
| 505 | Antiretroviral cytolytic T-lymphocyte nonresponsiveness: FasL/Fas-mediated inhibition of CD4(+) and CD8(+) antiviral T cells by viral antigen-positive veto cells. <b>1999</b> , 73, 3826-34 | 21  |
| 504 | Adenovirus-mediated gene expression in vivo is enhanced by the antiapoptotic bcl-2 gene. <b>1999</b> , 73, 6992-7000   | 19  |
| 503 | Envelope glycoproteins of human immunodeficiency virus type 1: profound influences on immune functions. <b>1996</b> , 60, 386-406  | 89  |
| 502 | Apoptosis of cardiac myocytes during cardiac allograft rejection. Relation to induction of nitric oxide synthase. <b>1996</b> , 94, 1665-73  | 141 |
| 501 | Apoptosis in human acute myocardial infarction. <b>1997</b> , 95, 320-3  | 539 |
| 500 | Life and death in the cardiovascular system. <b>1997</b> , 95, 782-6   | 32  |
| 499 | Evidence for the rapid onset of apoptosis in medial smooth muscle cells after balloon injury. <b>1997</b> , 95, 981-7  | 185 |

|     |   |     |
|-----|---|-----|
| 498 | Ischemic preconditioning decreases apoptosis in rat hearts in vivo. <b>1997</b> , 96, 1598-604  | 125 |
| 497 | Cancer and hypertension. An unresolved issue. <b>1996</b> , 28, 321-4   | 70  |
| 496 | Altered balance between cell replication and apoptosis in hearts and kidneys of newborn SHR. <b>1997</b> , 30, 720-4  | 21  |
| 495 | Subtle neuronal death in striatum after short forebrain ischemia in rats detected by in situ end-labeling for DNA damage. <b>1997</b> , 28, 163-9; discussion 169-70                              | 43  |
| 494 | Global ischemia activates nuclear factor-kappa B in forebrain neurons of rats. <b>1997</b> , 28, 1073-80; discussion 1080-1   | 181 |
| 493 | Annexin V-CLIO: a nanoparticle for detecting apoptosis by MRI. <b>2002</b> , 1, 102-7   | 34  |
| 492 | Cigarette smoke prevents apoptosis through inhibition of caspase activation and induces necrosis. <b>2003</b> , 29, 562-70  | 99  |
| 491 | Growth control of lung cancer by interruption of 5-lipoxygenase-mediated growth factor signaling. <b>1996</b> , 97, 806-13  | 180 |
| 490 | Glucose promotes survival of rat pancreatic beta cells by activating synthesis of proteins which suppress a constitutive apoptotic program. <b>1996</b> , 98, 1568-74                             | 220 |
| 489 | Asbestos induces apoptosis of human and rabbit pleural mesothelial cells via reactive oxygen species. <b>1996</b> , 98, 2050-9  | 128 |
| 488 | Selective induction of apoptosis in Hep 3B cells by topoisomerase I inhibitors: evidence for a protease-dependent pathway that does not activate cysteine protease P32. <b>1996</b> , 98, 2588-96 | 55  |
| 487 | Tumor necrosis factor alpha-induced apoptosis in cardiac myocytes. Involvement of the sphingolipid signaling cascade in cardiac cell death. <b>1996</b> , 98, 2854-65                             | 572 |
| 486 | Antisense oligonucleotides to Cux-1, a Cut-related homeobox gene, cause increased apoptosis in mouse embryonic kidney cultures. <b>1997</b> , 99, 718-24  | 25  |
| 485 | Transient cerebral ischemia. Association of apoptosis induction with hypoperfusion. <b>1997</b> , 99, 1453-9  | 51  |
| 484 | The significance of shed membrane particles during programmed cell death in vitro, and in vivo, in HIV-1 infection. <b>1997</b> , 99, 1546-54   | 199 |
| 483 | p53 and the hypoxia-induced apoptosis of cultured neonatal rat cardiac myocytes. <b>1997</b> , 99, 2635-43  | 236 |
| 482 | Regression of basal cell carcinoma by intralesional interferon-alpha treatment is mediated by CD95 (Apo-1/Fas)-CD95 ligand-induced suicide. <b>1997</b> , 100, 2691-6                             | 91  |
| 481 | Apoptosis in insulin-secreting cells. Evidence for the role of intracellular Ca <sup>2+</sup> stores and arachidonic acid metabolism. <b>1998</b> , 101, 1623-32                                  | 107 |

|     |   |     |
|-----|---|-----|
| 480 | A novel role for ursodeoxycholic acid in inhibiting apoptosis by modulating mitochondrial membrane perturbation. <b>1998</b> , 101, 2790-9  | 403 |
| 479 | Lack of cell surface Fas/APO-1 expression in pulmonary adenocarcinomas. <b>1998</b> , 101, 1102-10  | 68  |
| 478 | Bcl-2 and Bcl-XL serve an anti-inflammatory function in endothelial cells through inhibition of NF-kappaB. <b>1999</b> , 103, 543-53  | 143 |
| 477 | Apoptosis modulates protective immunity to the pathogenic fungus <i>Histoplasma capsulatum</i> . <b>2005</b> , 115, 2875-85   | 34  |
| 476 | HIV-1 kills renal tubular epithelial cells in vitro by triggering an apoptotic pathway involving caspase activation and Fas upregulation. <b>1998</b> , 102, 2041-9   | 119 |
| 475 | Gene defects in the soma: some get it and some don't!. <b>2011</b> , 121, 16-9  | 1   |
| 474 | Modulation of apoptosis by the cyclin-dependent kinase inhibitor p27(Kip1). <b>1999</b> , 103, 597-604  | 176 |
| 473 | Colchicine protects mice from the lethal effect of an agonistic anti-Fas antibody. <b>2000</b> , 105, 329-39  | 59  |
| 472 | Paracrine control of endothelial cell survival. <b>1999</b> , 104, 845  | 1   |
| 471 | T cell-mediated Fas-induced keratinocyte apoptosis plays a key pathogenetic role in eczematous dermatitis. <b>2000</b> , 106, 25-35   | 326 |
| 470 | Modulation of pro-apoptotic (Bax) and anti-apoptotic (Bcl-2) gene expression in isolated porcine hepatocytes perfused within a radial-flow bioreactor after low-temperature storing. <b>2003</b> , 26, 139-48 | 3   |
| 469 | Quantitative Analysis of Apoptotic Cell Death Using Proton Nuclear Magnetic Resonance Spectroscopy. <b>1997</b> , 89, 3778-3786   | 6   |
| 468 | Involvement of Reactive Oxygen Intermediates in Spontaneous and CD95(Fas/APO-1) Mediated Apoptosis of Neutrophils. <b>1997</b> , 89, 1748-1753  | 11  |
| 467 | Bcl-2 and Bcl-XL Can Differentially Block Chemotherapy-Induced Cell Death. <b>1997</b> , 90, 1208-1216  | 6   |
| 466 | A Role for T-Helper Type-1 and Type-2 Cytokines in the Regulation of Human Monocyte Apoptosis. <b>1997</b> , 90, 1618-1625  | 4   |
| 465 | Expression of Apoptosis-Regulating Proteins in Chronic Lymphocytic Leukemia: Correlations With In Vitro and In Vivo Chemoresponses. <b>1998</b> , 91, 3379-3389   | 24  |
| 464 | Triggering of CD40 Antigen Inhibits Fludarabine-Induced Apoptosis in B Chronic Lymphocytic Leukemia Cells. <b>1998</b> , 92, 990-995  | 7   |
| 463 | Apoptotic Regulation in Primitive Hematopoietic Precursors. <b>1998</b> , 92, 2041-2052   | 2   |

|     |   |     |
|-----|---|-----|
| 462 | Activated Endothelial Cells Induce Apoptosis in Leukemic Cells by Endothelial Interleukin-8. <b>1998</b> , 92, 2672-2680  | 3   |
| 461 | Resistance to Cytotoxic Chemotherapy Induced by CD40 Ligand in Lymphoma Cells. <b>1998</b> , 92, 3381-3387  | 2   |
| 460 | Nitric Oxide Induced Apoptosis in Human Leukemic Lines Requires Mitochondrial Lipid Degradation and Cytochrome C Release. <b>1999</b> , 93, 2342-2352                                   | 3   |
| 459 | Spontaneous Apoptosis in Lymphocytes From Patients With Wiskott-Aldrich Syndrome: Correlation of Accelerated Cell Death and Attenuated Bcl-2 Expression. <b>1999</b> , 94, 3872-3882    | 3   |
| 458 | Myelokathexis, a congenital disorder of severe neutropenia characterized by accelerated apoptosis and defective expression of bcl-x in neutrophil precursors. <b>2000</b> , 95, 320-327 | 1   |
| 457 | Bcl-XL is up-regulated by HTLV-I and HTLV-II in vitro and in ex vivo ATLL samples. <b>2000</b> , 96, 275-281  | 29  |
| 456 | Beneficial Effects of Resveratrol. <b>2004</b> , 257-283  | 4   |
| 455 | Metal Influences on Immune Function. <b>2010</b> , 379-414  | 1   |
| 454 | Apoptosis in the brains of infants suffering intrauterine cerebral injury. <b>1997</b> , 42, 684-9  | 97  |
| 453 | Apoptosis as a mechanism of peripheral blood mononuclear cell death after measles and varicella-zoster virus infections in children. <b>1998</b> , 43, 77-83                            | 23  |
| 452 | Lung Epithelial Cells Undergo Apoptosis in Neonatal Respiratory Distress Syndrome. <b>2003</b> , 53, 254-259  | 33  |
| 451 | Lung epithelial cells undergo apoptosis in neonatal respiratory distress syndrome. <b>2003</b> , 53, 254-9  | 14  |
| 450 | Apoptosis Occurs after Cerebral Contusions in Humans. <b>2000</b> , 46, 949-956   | 41  |
| 449 | Positional apoptosis during vertebrate CNS development in the absence of endogenous retinoids. <b>1997</b> , 124, 2799-2805   | 58  |
| 448 | Steroid regulation of autophagic programmed cell death during development. <b>2001</b> , 128, 1443-1455   | 239 |
| 447 | Requirement of basement membrane for the suppression of programmed cell death in mammary epithelium. <b>1996</b> , 109, 631-642   | 197 |
| 446 | Role of acid/base homeostasis in the suppression of apoptosis in haemopoietic cells by v-Abl protein tyrosine kinase. <b>1997</b> , 110, 379-387  | 25  |
| 445 | Down-regulation of actin genes precedes microfilament network disruption and actin cleavage during p53-mediated apoptosis. <b>1997</b> , 110, 489-495                                   | 43  |



|     |   |     |
|-----|---|-----|
| 444 | H <sub>2</sub> O <sub>2</sub> acts on cellular membranes to generate ceramide signaling and initiate apoptosis in tracheobronchial epithelial cells. <b>1998</b> , 111, 3209-3220                         | 113 |
| 443 | Effector caspases are dispensable for the early nuclear morphological changes during chemical-induced apoptosis. <b>2000</b> , 113, 2941-2953   | 103 |
| 442 | The apoptosis mediator mDAP-3 is a novel member of a conserved family of mitochondrial proteins. <b>2000</b> , 113, 3603-3612   | 46  |
| 441 | Caspase-mediated cleavage of the chromosome-binding domain of lamina-associated polypeptide 2 alpha. <b>2000</b> , 113, 3769-3780   | 33  |
| 440 | Physiological and pathological cell deaths in the reproductive organs. <b>2003</b> , 28, 31-40  | 10  |
| 439 | MicroRNA-184 Promotes Proliferation and Inhibits Apoptosis in HaCaT Cells: An In Vitro Study. <b>2016</b> , 22, 3056-61   | 6   |
| 438 | Inhibition of Colon Cancer Cell Growth by Imidazole Through Activation of Apoptotic Pathway. <b>2019</b> , 25, 7597-7604  | 2   |
| 437 | Treadmill exercise ameliorates symptoms of attention deficit/hyperactivity disorder through reducing Purkinje cell loss and astrocytic reaction in spontaneous hypertensive rats. <b>2014</b> , 10, 22-30 | 22  |
| 436 | Treadmill exercise enhances spatial learning ability through suppressing hippocampal apoptosis in Huntington's disease rats. <b>2015</b> , 11, 133-9  | 16  |
| 435 | Treadmill exercise ameliorates intracerebral hemorrhage-induced depression in rats. <b>2016</b> , 12, 299-307   | 14  |
| 434 | Neuronal loss in FIV-MD infected cats. <b>1998</b> , 2, 69-77   | 5   |
| 433 | Orostachys japonicus DW and EtOH Extracts Induce Apoptosis in Cholangiocarcinoma Cell Line SNU-1079. <b>2015</b> , 36, 19-34  | 1   |
| 432 | High-speed imaging of transient metabolic dynamics using two-photon fluorescence lifetime imaging microscopy. <b>2018</b> , 5, 1290-1296  | 24  |
| 431 | Prokaryotic caspase homologs: phylogenetic patterns and functional characteristics reveal considerable diversity. <b>2012</b> , 7, e49888   | 53  |
| 430 | Induction of apoptosis in human breast cancer cells via caspase pathway by vernodalin isolated from <i>Centratherum anthelminticum</i> (L.) seeds. <b>2013</b> , 8, e56643                                | 88  |
| 429 | Genetic polymorphisms of the CASP8 gene promoter may not be associated with colorectal cancer in Han Chinese from southwest China. <b>2013</b> , 8, e67577  | 9   |
| 428 | FASL rs763110 polymorphism contributes to cancer risk: an updated meta-analysis involving 43,295 subjects. <b>2013</b> , 8, e74543  | 6   |
| 427 | Apoptotic damage of pancreatic ductal epithelia by alcohol and its rescue by an antioxidant. <b>2013</b> , 8, e81893  | 6   |

|     |  |     |
|-----|--|-----|
| 426 | Investigating migration inhibition and apoptotic effects of Fomitopsis pinicola chloroform extract on human colorectal cancer SW-480 cells. <b>2014</b> , 9, e101303   | 11  |
| 425 | Gypenosides Synergistically Enhances the Anti-Tumor Effect of 5-Fluorouracil on Colorectal Cancer In Vitro and In Vivo: A Role for Oxidative Stress-Mediated DNA Damage and p53 Activation. <b>2015</b> , 10, e0137888 | 43  |
| 424 | Osteoprotegerin Induces Apoptosis of Osteoclasts and Osteoclast Precursor Cells via the Fas/Fas Ligand Pathway. <b>2015</b> , 10, e0142519   | 28  |
| 423 | Fluorogenic Substrates for In Situ Monitoring of Caspase-3 Activity in Live Cells. <b>2016</b> , 11, e0153209  | 7   |
| 422 | Long-Circulating Curcumin-Loaded Liposome Formulations with High Incorporation Efficiency, Stability and Anticancer Activity towards Pancreatic Adenocarcinoma Cell Lines In Vitro. <b>2016</b> , 11, e0167787         | 43  |
| 421 | Heat shock pretreatment inhibited the release of Smac/DIABLO from mitochondria and apoptosis induced by hydrogen peroxide in cardiomyocytes and C2C12 myogenic cells. <b>2005</b> , 10, 252-62                         | 89  |
| 420 | Apoptotic Machinery: The Bcl-2 Family Proteins in the Role of Inspectors and Superintendents. <b>2006</b> , 49, 13-18  | 6   |
| 419 | Folate-targeted PTEN/AKT/P53 signaling pathway promotes apoptosis in breast cancer cells. <b>2020</b> , 31, 158-164  | 1   |
| 418 | Editorial Central & Peripheral Nervous Systems: Amyloid $\beta$ Peptide in Alzheimer's Disease Pathology: Towards a Rational Basis for Drug Discovery?. <b>1995</b> , 4, 263-270                                       | 4   |
| 417 | Activation and cleavage of caspase-3 in apoptosis induced by experimental cerebral ischemia. <b>1998</b> , 18, 3659-68   | 745 |
| 416 | Ionic mechanism of ouabain-induced concurrent apoptosis and necrosis in individual cultured cortical neurons. <b>2002</b> , 22, 1350-62  | 193 |
| 415 | Evolution of energy metabolism, stem cells and cancer stem cells: how the warburg and barker hypotheses might be linked. <b>2012</b> , 5, 39-56  | 25  |
| 414 | Chemopreventive and Anticancer Activities of Allium victorialis var. platyphyllum Extracts. <b>2014</b> , 19, 179-86   | 3   |
| 413 | Apoptose, neutrófilos e o cirurgião. <b>2001</b> , 28, 56-61   | 2   |
| 412 | Apoptosis in Trypanosomatids: Evolutionary and phylogenetic considerations. <b>1998</b> , 21, 21-24  | 1   |
| 411 | Apoptosis. <b>1999</b> , 4, 332-339  | 30  |
| 410 | The Bcl-2 protein: a prognostic indicator strongly related to ER and PR in breast cancer. <b>2004</b> , 4, 5-12  | 11  |
| 409 | [The value of low-molecular-weight DNA of blood plasma in the diagnostic of the pathological processes of different genesis]. <b>2013</b> , 59, 358-73   | 2   |

|     |   |    |
|-----|---|----|
| 408 | Comparative Expression Profile Analysis of Apoptosis-Related miRNA and Its Target Gene in major Infected Macrophages. <b>2020</b> , 15, 332-340   | 4  |
| 407 | KDM4B plays an important role in mitochondrial apoptosis by upregulating HAX1 expression in colorectal cancer. <b>2016</b> , 7, 57866-57877   | 16 |
| 406 | Movement deficits and neuronal loss in basal ganglia in TRPC1 deficient mice. <b>2016</b> , 7, 69337-69346  | 10 |
| 405 | Enhancement of 5-FU sensitivity by the proapoptotic rpl3 gene in p53 null colon cancer cells through combined polymer nanoparticles. <b>2016</b> , 7, 79670-79687   | 35 |
| 404 | SPECT and PET radiopharmaceuticals for molecular imaging of apoptosis: from bench to clinic. <b>2017</b> , 8, 20476-20495   | 29 |
| 403 | NSP 5a3a: A Potential Novel Cancer Target in Head and Neck Carcinoma. <b>2010</b> , 1, 423-435  | 10 |
| 402 | -652 6N insertion/deletion polymorphism and overall cancer risk: evidence from 49 studies. <b>2017</b> , 8, 56780-56799   | 9  |
| 401 | Reactive oxygen species dependent phosphorylation of the liver kinase B1/AMP activated protein kinase/ acetyl-CoA carboxylase signaling is critically involved in apoptotic effect of lambertianic acid in hepatocellular carcinoma cells. <b>2017</b> , 8, 70116-70129 | 12 |
| 400 | Protease nexin 1 induces apoptosis of prostate tumor cells through inhibition of X-chromosome-linked inhibitor of apoptosis protein. <b>2015</b> , 6, 3784-96   | 14 |
| 399 | A novel dual signaling axis for NSP 5a3a induced apoptosis in head and neck carcinoma. <b>2011</b> , 2, 1055-74   | 5  |
| 398 | Reactive oxygen species a double-edged sword for mesothelioma. <b>2015</b> , 6, 16848-65  | 54 |
| 397 | MicroRNA-related polymorphisms in apoptosis pathway genes are predictive of clinical outcome in patients with limited disease small cell lung cancer. <b>2016</b> , 7, 22632-8  | 3  |
| 396 | Docosahexaenoic Acid Inhibits Vascular Smooth Muscle Cell Proliferation Induced by Glucose Variability. <b>2017</b> , 11, 56-65   | 9  |
| 395 | Fas-Antisense Long Noncoding RNA and Acute Myeloid Leukemia: Is There any Relation?. <b>2018</b> , 19, 45-48  | 5  |
| 394 | Apoptosis in malignant diseases. <b>2005</b> , 13, 19-22  | 1  |
| 393 | The hypothetical ancestral animal the Urmetazoa: Telomerase activity in sponges [Porifera]. <b>2003</b> , 68, 257-268   | 5  |
| 392 | Serum Fas/FasL levels in dependence on clinical presentations of coronary disease and their relationship with risk factors. <b>2010</b> , 67, 537-42  | 8  |
| 391 | Chloroquine Treatment Increases Detection of 5-Fluorouracil-Induced Apoptosis In Vivo. <b>2006</b> , 5, 7290.2006.00917   | 17 |

|     |   |    |
|-----|---|----|
| 390 | Response and adaptation of skeletal muscle to denervation stress: the role of apoptosis in muscle loss. <b>2009</b> , 14, 432-52  | 39 |
| 389 | Molecular mechanisms of cardiac myocyte death. <b>2005</b> , 33-58  | 1  |
| 388 | Lignan from Safflower Seeds Induces Apoptosis in Human Promyelocytic Leukemia Cells. <b>2003</b> , 8, 113-118   | 2  |
| 387 | Influence of survivin and caspase-3 on cell apoptosis and prognosis in gastric carcinoma. <b>2004</b> , 10, 1984-8  | 37 |
| 386 | Down-modulation of heat shock protein 70 and up-modulation of Caspase-3 during schisandrin B-induced apoptosis in human hepatoma SMMC-7721 cells. <b>2004</b> , 10, 2944-8                | 25 |
| 385 | Preparation of anti-mouse caspase-12 mRNA hammerhead ribozyme and identification of its activity in vitro. <b>2005</b> , 11, 4094-7   | 2  |
| 384 | Augmentation of tumor necrosis factor family-induced apoptosis by E3330 in human hepatocellular carcinoma cell lines via inhibition of NF kappa B. <b>2005</b> , 11, 6258-61              | 8  |
| 383 | Effect of bombesin and neurotensin on gut barrier function in partially hepatectomized rats. <b>2005</b> , 11, 6757-64  | 16 |
| 382 | Effects of Helicobacter pylori infection on gastric epithelial cell kinetics in patients with chronic renal failure. <b>2005</b> , 11, 7183-7   | 2  |
| 381 | Investigation on correlation between expression of CD58 molecule and severity of hepatitis B. <b>2006</b> , 12, 4237-40   | 4  |
| 380 | Distinct patterns of mucosal apoptosis in H pylori-associated gastric ulcer are associated with altered FasL and perforin cytotoxic pathways. <b>2006</b> , 12, 6133-41                   | 6  |
| 379 | Effect of pre-moxibustion on apoptosis and proliferation of gastric mucosa cells. <b>2007</b> , 13, 2174-8  | 10 |
| 378 | Effect of targeted magnetic nanoparticles containing 5-FU on expression of bcl-2, bax and caspase 3 in nude mice with transplanted human liver cancer. <b>2007</b> , 13, 3171-5           | 27 |
| 377 | Survivin expression in early hepatocellular carcinoma and post-treatment with anti-cancer drug under hypoxic culture condition. <b>2007</b> , 13, 5306-11                                 | 15 |
| 376 | Protection of ghrelin postconditioning on hypoxia/reoxygenation in gastric epithelial cells. <b>2012</b> , 18, 5377-88  | 3  |
| 375 | Effect of vitamin E succinate on expression of TGF-beta1, c-Jun and JNK1 in human gastric cancer SGC-7901 cells. <b>2001</b> , 7, 83-7  | 19 |
| 374 | Effect of bax, bcl-2 and bcl-xL on regulating apoptosis in tissues of normal liver and hepatocellular carcinoma. <b>2002</b> , 8, 1059-62   | 56 |
| 373 | Effects of n-3 fatty acid, fructose-1,6-diphosphate and glutamine on mucosal cell proliferation and apoptosis of small bowel graft after transplantation in rats. <b>2003</b> , 9, 1323-6 | 13 |

|     |   |     |
|-----|---|-----|
| 372 | [Effect of ursolic acid on proliferation of T lymphoma cell lines Hut-78 cells and its mechanism]. <b>2015</b> , 36, 153-7  | 1   |
| 371 | Radix Sophorae Flavescentis inhibits proliferation and induces apoptosis of AGS human gastric cancer cells. <b>2019</b> , 19, 1911-1918   | 3   |
| 370 | Expression of c-FLIP in gastric cancer and its relation to tumor cell proliferation and apoptosis. <b>2007</b> , 22, 263-9  | 8   |
| 369 | Apoptosis and Other Alternate Mechanisms of Cell Death. <b>2015</b> , 10, 646-668   | 5   |
| 368 | Protective Effects of Verapamil against H <sub>2</sub> O <sub>2</sub> -Induced Apoptosis in Human Lens Epithelial Cells. <b>2014</b> , 22, 553-7                                | 13  |
| 367 | Immunohistochemical expression of X-linked inhibitor of apoptosis in eyelid sebaceous gland carcinoma predicts a worse prognosis. <b>2017</b> , 65, 1109-1113                   | 6   |
| 366 | Prognostic Value of Phosphorylated Akt and Survivin Expression in Gastric Adenocarcinoma. <b>2010</b> , 44, 252   | 3   |
| 365 | Autophagic cell death: A new frontier in cancer research. <b>2013</b> , 04, 250-262   | 10  |
| 364 | Antioxidant and Apoptotic Activity of Papaya Peel Extracts in HepG2 Cells. <b>2016</b> , 07, 485-494  | 3   |
| 363 | Synthesis and Determination of Antitumor Activity of Jacaranone and Synthetic Analogs. <b>2018</b> , 08, 115-124  | 1   |
| 362 | Down Regulation of MyD88 in Macrophages Treated with Liposomes Composed of Phosphatidylserine. <b>2013</b> , 04, 248-254  | 3   |
| 361 | Assessment and Comparison of Salivary Survivin Biomarker in Oral Leukoplakia, Oral Lichen Planus, and Oral Cancer: A Comparative Study. <b>2017</b> , 8, 73-76                  | 1   |
| 360 | Irreversible electroporation: a novel image-guided cancer therapy. <b>2010</b> , 4 Suppl 1, S99-S104  | 117 |
| 359 | Alpha1-Adrenoceptor Antagonists Improve Memory by Activating N-methyl-D-Aspartate-Induced Ion Currents in the Rat Hippocampus. <b>2015</b> , 19, 228-36                         | 7   |
| 358 | Prepubertal daidzein exposure enhances mammary gland differentiation and regulates the expression of estrogen receptor-alpha and apoptotic proteins. <b>2011</b> , 2011, 896826 | 5   |
| 357 | Apoptotic signaling pathways: caspases and stress-activated protein kinases. <b>2002</b> , 35, 24-7   | 134 |
| 356 | Nuclear factor-kappaB activation: a question of life or death. <b>2002</b> , 35, 28-40  | 143 |
| 355 | Nitric oxide as a pro-apoptotic as well as anti-apoptotic modulator. <b>2002</b> , 35, 116-26   | 156 |

|     |  |    |
|-----|--|----|
| 354 | Downregulation of bcl-xL is relevant to UV-induced apoptosis in fibroblasts. <b>2002</b> , 35, 452-8   | 8  |
| 353 | Vitamin C increases the apoptosis via up-regulation p53 during cisplatin treatment in human colon cancer cells. <b>2011</b> , 44, 211-6  | 22 |
| 352 | PIDD mediates and stabilizes the interaction between RAIDD and caspase-2 for the PIDDosome assembly. <b>2013</b> , 46, 471-6   | 8  |
| 351 | Modulation of endothelial cell apoptosis: mechanisms and pathophysiological roles. <b>1996</b> , 3, 75-80  | 48 |
| 350 | Anti-apoptotic Effect of Steam Exploded Quercus variabilis. <b>2015</b> , 43, 224-237  | 1  |
| 349 | Gene Expression Profiles of BAD and Bcl-xL in the CA1 Region of the Hippocampus Following Global Ischemic/Reperfusion and FK-506 Administration. <b>2015</b> , 17, e23145  | 3  |
| 348 | Caspase inhibitor blocks human immunodeficiency virus 1-induced T-cell death without enhancement of HIV-1 replication and dimethyl sulfoxide increases HIV-1 replication without influencing T-cell survival. <b>2000</b> , 124, 240-5 | 6  |
| 347 | The postgenomic era: implications for the clinical laboratory. <b>2002</b> , 126, 255-62   | 9  |
| 346 | Trophoblast apoptosis in human placenta at term as detected by expression of a cytokeratin 18 degradation product of caspase. <b>2002</b> , 126, 1480-6  | 35 |
| 345 | Survivin and Bcl-2 expression in prostatic adenocarcinomas. <b>2004</b> , 128, 39-43   | 29 |
| 344 | Expression of cysteine protease protein 32 in prostatic adenocarcinoma correlates with tumor grade. <b>2004</b> , 128, 649-52  | 6  |
| 343 | Effect of Armeniacae Amarum Semen on Expression of Bax and Bcl-2 mRNA and Caspase-3 Activity of Human DU145 Prostate Cancer Cells. <b>2016</b> , 29, 159-167   | 1  |
| 342 | Effects of the water extract from Achyranthis Radix on serum-deprivation-induced apoptosis in PC12 cells and transient cerebral middle artery occlusion-induced ischemic brains of rats. <b>2012</b> , 27, 77-83                       | 2  |
| 341 | Association between the FAS/FASL polymorphisms and gastric cancer risk: a meta-analysis. <b>2012</b> , 13, 945-51  | 9  |
| 340 | Inactivated Sendai virus strain Tianjin induces apoptosis in human breast cancer MDA-MB-231 cells. <b>2014</b> , 15, 5023-8  | 5  |
| 339 | Association between survivin gene polymorphisms and the susceptibility to colon cancer development in the Turkish population. <b>2014</b> , 15, 8963-7   | 7  |
| 338 | N-butanol extract of Capparis spinosa L. induces apoptosis primarily through a mitochondrial pathway involving mPTP open, cytochrome C release and caspase activation. <b>2014</b> , 15, 9153-7  | 10 |
| 337 | Elemene induces caspase-dependent apoptosis in human glioma cells in vitro through the upregulation of Bax and Fas/ FasL and downregulation of Bcl-2. <b>2014</b> , 15, 10407-12   | 35 |

- 336 Enhanced antitumor efficacy with combined administration of astragalus and pterostilbene for melanoma. **2014**, 15, 1163-9 6
- 335 The Effect and Mechanisms of Proliferative Inhibition of Crocin on Human Leukaemia Jurkat Cells. **2015**, 64, 473-479 9
- 334 cDNA microarray analysis of viral hemorrhagic septicemia infected olive flounder, *Paralichthys olivaceus*: immune gene expression at different water temperature. **2014**, 27, 1-9 5
- 333 High Serum Levels of Serum 100 Beta Protein, Neuron-specific Enolase, Tau, Active Caspase-3, M30 and M65 in Children with Autism Spectrum Disorders. **2020**, 18, 270-278 3
- 332 FNC inhibits non-small cell lung cancer by activating the mitochondrial apoptosis pathway. **2021**, 1
- 331 Presenilins and  $\beta$ Amyloid Precursor Protein-Proteolytically Processed Proteins Involved in the Generation of Alzheimer's  $\beta$ Amyloid Peptide. **2000**, 375-395
- 330 Molecular Pathology of Cardiac Diseases Liable to Cause Sudden Death. **2000**, 6-33
- 329 Reactive oxygen species, nitric oxide and apoptosis. **2000**, 207-219
- 328 Incidence of Apoptosis and Its Pathological and Biochemical Manifestations. **2000**, 1-35
- 327 Apoptosis and Cancer. **2000**, 216-232
- 326 Literatur. **2000**, 192-251
- 325 Mitochondrial Inhibition and Neuronal Death in Huntington's Disease. **2000**, 167-176
- 324 The protective role of nitric oxide in hepatocytes during responses to inflammatory mediators and induction of apoptosis. **2000**, 301-315
- 323 Strategien zur Verhinderung der Rezidivstenose nach Katheterintervention. **2000**, 13-31
- 322 Apoptosis by an Endogenous Neurotoxin, N-Methyl(R)Salsolinol: Relevance to Parkinson's Disease. **2000**, 77-89
- 321 Programmed cell death and its regulation and initiation in *C. elegans*. **2000**, 35-55
- 320 Paraquat is a Model Environmental Neurotoxin for Studying Parkinson's Disease. **2000**, 247-257
- 319 Pathogenesis of Myocardial Injury and Cell Death in Myocarditis: Its Relation to the Fas/Fas Ligand Pathway. **2000**, 57-69 1

- 318 Investigation of Apoptosis-Involved Processes by Mass Spectrometric Identification of the Apoptosis-Associated Proteins in IgM-Induced Burkitt Lymphoma Cells. **2000**, 271-287
- 317 Regulation and Dysregulation of Mast Cell Survival and Apoptosis. **2000**, 51-60
- 316 Functional Analysis of the Bcl2 Gene Family in Transgenic Mice. **2001**, 115-145
- 315 Events that Commit Neurons to Die After Trophic Factor Deprivation. **2001**, 47-60
- 314 Apoptosis. **2001**, 1171-1184
- 313 Mechanisms of Neuronal Cell Death After Ischemic Injury to the Brain. **2001**, 15-24
- 312 Alteration of caspases and other apoptosis regulatory proteins in Down syndrome. **2001**, 163-79 8
- 311 Involvement of Apoptotic Protease Cascade for Tissue Destruction in Sjögren's Syndrome. **2001**, 129-137
- 310 Detection of Apoptosis for the Noninvasive Diagnosis of Cardiac Allograft Rejection. **2001**, 349-358
- 309 Expression of Apoptosis-Related Factors in Human Pancreatic Duct Cell Carcinoma and Intraductal Papillary-Mucinous Tumor. **2001**, 71-75
- 308 Death Ligand/Death Receptor-Mediated Apoptosis for Treatment of Brain Tumors. **2001**, 327-344
- 307 Products from Basidiomycetes. **2001**, 489-533
- 306 Antisense Downregulation of the Apoptosis-Related Bcl-2 and Bcl-xl Proteins: A New Approach to Cancer Therapy. **2002**, 315-330
- 305 Cell Death.
- 304 Apoptosis.
- 303 Anti-Apoptotic Function of Propargylamines. **2002**, 241-244
- 302 Selected Targets and Rationally Designed Therapeutics for Patients with Colorectal Cancer. **2002**, 759-793
- 301 Death Domains and Death Effector Domains.



- 300 Stromelysin-3, a Particular Member of the Matrix Metalloproteinase Family. **2002**, 81-107 1
- 299 In vivo monitoring of therapy-induced apoptotic process in patients with chronic lymphocytic leukemia and acute non-lymphoblastic leukemia. **2002**, 10, 55-60 2
- 298 CC3.
- 297 Strategien zur Verhinderung der Restenose nach Katheterintervention. **2002**, 13-31
- 296 Implications of TNF- $\alpha$ /Fas and Apoptosis in Insulin Dependent Diabetes Mellitus. **2002**, 2, 95-102
- 295 Modulation of GAP junctional communication by epigenetic toxicants. **2002**,
- 294 Inhibitory Effects of Epigallocatechin Gallate on Apoptosis in Human Vascular Endothelial Cells. **2002**, 31, 672-678
- 293 Delayed Lymphocyte Apoptosis in Rheumatic Heart Disease. **2002**, 3, 46-65
- 292 Integrated Response to Neurotrophic Factors. **2003**, 485-496
- 291 [Effect of chlorambucil on B-lymphocytes in the peripheral blood of patients with chronic lymphocytic leukemia--study of cellular ultrastructure]. **2003**, 60, 175-80 2
- 290 Characterization and Determination of Cell Death by Apoptosis.
- 289 Apoptose. **2003**, 181-212
- 288 The Mechanisms and Significance of Apoptotic Cell-Mediated Immune Regulation. **2003**, 131-143
- 287 Enhancement of Radiation Response with TNF/TRAIL. **2003**, 227-240
- 286 Proteasome-Dependent Regulation of NF- $\kappa$ B Activation. **2004**, 131-143
- 285 Mehrstufenprozess der Kanzerogenese und chemische Kanzerogenese. **2004**, 193-240
- 284 Die Parkinson-Krankheit. **2004**, 200-227
- 283 The role of eosinophilic leukocytes in pathogenesis of bronchial asthma. **2004**, 23, 333-341 0

- 282 [The Bcl-2 protein family in malignant diseases]. **2004**, 61, 305-10 2
- 281 Zellzyklus und Apoptose. **2004**, 175-191
- 280 Molekulare Mechanismen von Veränd erungen und Erkrankungen der Prostata. **2004**, 296-343
- 279 TNF-Related Apoptosis-Inducing Ligand (TRAIL). **2004**, 181-191
- 278 Apoptosis (Programmed Cell Death, PCD).
- 277 Endothelial Cells of Blood and Lymphatic Vessels. **2004**, 211-235
- 276 Approaches Used to Detect Apoptosis. **2005**, 51-70
- 275 Approaches Used to Detect Apoptosis. **2005**, 35-54
- 274 Molecular Foundations of Cellular Injury: Apoptosis and Necrosis. **2006**, 1444-1452
- 273 Flow Cytometric Detection and Quantification of Apoptotic Cells. **2006**, 281-290
- 272 Molecular basis of dysregulation of programmed lymphocyte death in chronic viral infection. **2006**, 5, 23-34 1
- 271 Skin: Immunological Defence Mechanisms.
- 270 Relation of Poly(ADP-ribose) Polymerase Cleavage and Apoptosis Induced by Paclitaxel in HeLa S3 Uterine Cancer Cells. **2007**, 17, 1027-1033 0
- 269 Isolation and evaluation of Endonucleases in apoptotic activity of DNA in Ischemic Injury and Reperfusion Injury of Rat Hepatocytes. **2007**, 2, 427-431
- 268 Therapeutic Targeting of Apoptosis in Cancer. **2008**, 263-278
- 267 Immunology. **2008**, 1-219
- 266 Tumor Cell Resistance to Apoptosis by Infiltrating Cytotoxic Lymphocytes. **2008**, 121-137
- 265 Study of Membrane Dynamics with Biophotonic Techniques. **2008**,

264 Programmed Cell Death as a Therapeutic Approach. 1

263 Signal Transduction. **2009**, 337-342

262 Expression of Survivin in Gastric Carcinoma and its Relation to Tumor Cell Proliferation and Apoptosis. **2009**, 43, 329

1

261 Disorders of growth, differentiation and morphogenesis. **2009**, 73-99

260 Role of T cells. **2009**, 121-147

259 Effects of Ore Minerals on the Damages of Animal Cells. **2009**, 18, 1391-1398

258 Molecular Imaging for the Assessment of Tumor Malignancy and Response to Therapy. **2010**, 19-29

257 The role of FasR/FasL system in pathogenesis of myeloproliferative neoplasms. **2010**, 62, 223-230

256 Nervous System. **2010**, 185-335

o

255 Immune System. **2010**, 337-417

o

254 Apoptosis In Vivo. **2011**, 625-640

253 Nuclear Apoptosis and Sarcopenia. **2011**, 173-206

252 Biochemistry and Cellular Mechanisms of Apoptosis in Vascular Smooth Muscle and Endothelial Cells. **2011**, 347-356

251 Irreversible Electroporation (IRE) on Liver Tumor Ablation: A Summary of Preclinical Translational Research. **2011**, 219-230

250 Programmed cell death proteins and chronic leukemia. **2011**, 63, 527-535

249 Production of Oxidized Phosphatidylserine in Apoptotic Cells and Its Potential Roles. **2011**, 11, 425-430

248 Helicobacter pylori-Induced Oxidative Stress and Inflammation. **2011**, 343-370

247 Nanophysiology of Cells, Channels and Nuclear Pores. **2011**, 117-144

- 246 Virulence properties of a peptide hemolysin produced by *Enterococcus faecalis*. **2012**, 03, 909-917
- 245 Effect of Treadmill Exercise on Apoptosis in the Retinas of Streptozotocin-Induced Diabetic Rats.. **2012**, 21, 289-298
- 244 Cell Survival and Death in Rheumatic Diseases. **2013**, 382-399.e4 1
- 243 Nuclear Medicine Imaging of Inflammatory Diseases. 291-322
- 242 Molecular Mechanism of Apoptosis and Its Significance in Pathogenesis and Therapeutic Strategy in Neurosurgical Disease. **1996**, 5, 103-110
- 241 Editorial Comment. **1996**, 892-893
- 240 Editorial. **1996**, 1678-1680
- 239 ?????????? : apoptosis??????? : ??????????(?60????????????????????,?????????). **1996**, 4, 205-212
- 238 Involvement of Heat Shock Proteins in Protection of Various Normal and Tumor Cells from Ischemic Insult. **1997**, 141-175
- 237 Tumor Necrosis Factors. **1997**, 169-179
- 236 *C. elegans* as a Model system for Germ Cell Death. **1997**, 8-18 1
- 235 The role of apoptosis in neurodegenerative diseases. **1997**, 48, 55-98 13
- 234 ATP Homeostasis, Ionic Balance and Cell Viability. **1997**, 21-47
- 233 Physiological, Pharmacological and Pathological Aspects of Capacitative Calcium Entry. **1997**, 179-205
- 232 Serpins and programmed cell death. **1997**, 425, 177-83 0
- 231 Myc/max family of transcription factors and bcl-2 are involved in drug-induced apoptosis of myeloma cells. **1997**, 224, 257-60 1
- 230 Molekularbiologie solider Tumoren: Eine Zusammenfassung wichtiger Forschungsergebnisse der letzten Jahre. **1997**, 95-114
- 229 Gene Therapy and Research Applications of Intrabodies for Human Infectious Diseases. **1997**, 125-143

228 ?????????? : ???????. **1997**, 5, 351-358

227 Apoptosis Resistance of Blood Cells From Patients With Paroxysmal Nocturnal Hemoglobinuria, Aplastic Anemia, and Myelodysplastic Syndrome. **1997**, 90, 2716-2722 2

226 Intracellular Antibody-Mediated Knockout of the ErbB-2 Oncoprotein as a Cancer Gene Therapy Approach. **1998**, 97-128

225 Vitamin E and its effect on skeletal muscle. **1998**, 141-156

224 Cell Cycle and Cell Division. **1998**, 177-210

223 Pathways to Oxidative Cell Death. **1998**, 215-224

222 DNA Damage and Repair in the Clinic. **1998**, 603-625

221 Apoptosis in Drosophila. **1998**, 205-241

220 Lethal Logic in Apoptosis: Toxins Trigger Programmed Cell Death During Disease in Eukaryotic Cells. **1998**, 141-150 1

219 Regulation of caspase activation in apoptosis: implications for transformation and drug resistance. **1998**, 309-320

218 Neonatal Trace Element Metabolism. **1998**, 909-941 3

217 Epithelial cell turnover and apoptosis. **1998**, 110-122 1

216 Follicular Ability to Secrete Estradiol and Apoptotic DNA Fragmentation in a Hamster Model of Induced Follicular Atresia.. **1998**, 44, 305-311

215 Role of Calcium in Glucocorticosteroid-Induced Apoptosis of Thymocytes and Lymphoma Cells: Resurrection of Old Theories by New Findings. **1998**, 91, 731-734 1

214 EXPRESSION OF BCL-2 AND BCL-X IN BLADDER CANCER. **1998**, 1348-1353 1

213 The Chimeric E2A-HLF Transcription Factor Abrogates p53-Induced Apoptosis in Myeloid Leukemia Cells. **1998**, 92, 1397-1405 3

212 Roles of Mitochondria in Apoptosis. **1999**, 239-254

211 Sjögren's Syndrome: The Significance of Epithelial Cells. **1999**, 135-141

- 210 Cell Cycle and Apoptosis. **1999**, 131-169
- 209 Genetic Determinants of Cell Death and Toxicity. **1999**, 437-451 1
- 208 Caspases: cytokine activators and promoters of cell death. **1999**, 195-210
- 207 Proteinases in apoptosis. **1999**, 185-193
- 206 Myocardial preconditioning: Basic concepts and potential mechanisms. **1999**, 3-12 1
- 205 A5E promotes Cell growth Arrest and Apoptosis in Non Small Cell Lung Cancer. **2014**, 57, 113-122
- 204 Apoptosis and Cancer. **2015**, 209-242
- 203 BAX G(-248)A Gene Polymorphism and Its Association with Risk of Non-Small Cell Lung Cancer  
Case Control Study. **2015**, 04, 47-58
- 202 Anti-Parkinson Activity. **2015**, 1-43
- 201 Proteases in Apoptosis: Protocols and Methods. **2015**, 143-202 0
- 200 Anti-Parkinson Activity. **2015**, 1-45
- 199 Aging: An Etiological Factor in The Development of Intestinal Tumorigenesis. **2015**, 287-308
- 198 Sensitization of Immune-Resistant Tumor Cells to CTL-Mediated Apoptosis via Interference at the  
Dysregulated NF- $\kappa$ B/Snail/YY1/PI3K/RKIP/PTEN Resistant Loop. **2015**, 177-208
- 197 Anti-Parkinson Activity. **2016**, 1515-1551
- 196 Extract from *Eucommia cottonii* Induces Apoptotic Cell Death on Human Osteosarcoma Saos-2  
Cells via Caspase Cascade Apoptosis Pathway. **2016**, 26, 147-154
- 195 The Role of Apoptotic Factors in Assessing Progression of Periodontal Disease. **2016**, 3, 318-325 4
- 194 Opsoclonus-Myoclonus-Ataxia Syndrome in Children: Clinical Characteristics and Treatment  
Response. **2016**, 24, 251-256
- 193 Radiochemistry. **2017**, 77-131

- 192 Caspases: Regulatory Mechanisms and Their Implications in Pathogenesis and Therapeutics. **2017**, 423-488
- 191 Hindlimb suspension-induced cell apoptosis in the posterior parietal cortex and lateral geniculate nucleus: corresponding changes in c-Fos protein and the PI3K/Akt signaling pathway. **2018**, 78, 220-230
- 190 Carpobrotus acıııiformis L. Metanol Ekstresinin Fitokimyasal Taraması ve Ekstresinin İıısan Metastatik Meme Kanseri (MCF-7) ve İıısan Kolon Kanseri (Caco-2) Hııreleri İııerindeki Sitotoksik ve Apoptotik Etkisinin Araııııılması -
- 189 Association of Pro-apoptotic Gene Expression Changes with Benign Thyroid Nodules. **2018**, 32, 555-559
- 188 Memeli Tııııve Normal Hııre Hatları ıda NanopartikıııUygulamaları -**2018**, 27, 136-174 ○
- 187 Label-free digital holo-tomographic microscopy reveals virus-induced cytopathic effects in live cells.
- 186 Activation-Induced Cell Death of T Cells in Human Aging. **2019**, 533-552
- 185 The Induction of Apoptosis by Resveratrol Through Regulatory Effect of miR-21 on the Gene Expression of Bcl2 and Bax in HCT-116 Cells. **2019**, 7, 21-27 ○
- 184 Proapoptotic effects of 2,5-hexanedione on pheochromocytoma cells via oxidative injury. **2019**, 20, 3249-3255 ○
- 183 Inhibition of Colon Cancer Cell Viability and Tumor Growth by Benzoximemethyl Amine Through Apoptosis. **2019**, 15, 716-723
- 182 Loss of AMIGO2 causes dramatic damage to cardiac preservation after ischemic injury. **2019**, 26, 394-404 ○
- 181 Role of apoptosis repressor with caspase recruitment domain (ARC) in cancer. **2019**, 18, 5691-5698 ○
- 180 Extracellular DNA in oncological and other diseases related to apoptosis disorder. **2019**, 3, 47-51
- 179 Clinical efficacy of intermittent magnetic pressure therapy for ear keloid treatment after excision. **2019**, 20, 354-360 1
- 178 Mummy Induces Apoptosis Through Inhibiting of Epithelial-Mesenchymal Transition (EMT) in Human Breast Cancer Cells. **2020**, 9, e1812 ○
- 177 Microenvironment-Responsive Prodrug-Induced Pyroptosis Boosts Cancer Immunotherapy. **2021**, e2101840 30
- 176 Apoptosis and Cancer. **2020**, 307-353
- 175 An Overview of Stroke: Mechanism, In vivo Experimental Models Thereof, and Neuroprotective Agents. **2020**, 21, 860-877 ○

- 174 Genetics of Colorectal Cancer: Role of p53. **2020**, 10, 183-185
- 173 Therapeutics targeting BCL2 family proteins. **2022**, 197-260 0
- 172 Genomic organization, evolution and functional characterization of caspase-2 and caspase-8 in miiuy croaker (*Miichthys miiuy*). **2022**, 127, 104308 0
- 171 Pathogenesis. **2020**, 48-87
- 170 Cell death mechanismsApoptosis pathways and their implications in toxicology. **2020**, 199-228
- 169 In vitro antitumor potential of methanol extract of *Mimosa pudica* in human breast cancer cell lines. **2020**, 16, 396 0
- 168 Comparative evaluation of survivin expression in leukoplakia, lichen planus, and oral squamous cell carcinoma: An immunohistochemical study. **2020**, 16, 569-574 0
- 167 Endomorphin-2 Analog Inhibits the Growth of DLD-1 and RKO Human Colon Cancer Cells by Inducing Cell Apoptosis. **2020**, 26, e921251 1
- 166 Diosmin in combination with naringenin enhances apoptosis in colon cancer cells. **2022**, 47, 2
- 165 Control of apoptosis by using small molecule regulators of Bcl-2 family proteins. **2002**, 217-218
- 164 A Systems View of Cell Death. **2004**, 153-179
- 163 Cancer Immunotherapy: On the Trail of a Cure?. **2005**, 247-270
- 162 Zellbiologie. **2006**, 454-470
- 161 Role of T Cells in Atopic Eczema. **2006**, 323-331
- 160 Abnormalities of cell structures in tumors: apoptosis in tumors. **2006**, 201-21 2
- 159 Cell Death and Transcription. **2006**, 431-444
- 158 Metamorphosis as Midlife Crisis. **1999**, 135-151
- 157 Apoptosis in human atherosclerosis. **2000**, 223-236



156 Methods for studying cell death in bone. **1998**, 127-148

155 Role of Genetic Susceptibility in Environmental Exposure Induced Diseases. **2007**, 103-123

154 Activation-Induced Cell Death of T-Cells in Elderly. **2009**, 277-290

153 Autoimmunity Aging Mouse Model for Autoimmune Diseases. **2009**, 1053-1061

152 Signaling by Mitochondria. **2005**, 167-177

151 Modulation of TRAIL Signaling for Cancer Therapy. **2007**, 579-591

150 Rutinin ratlarda kolistin kaynaklı testis hasarında oksidatif DNA hasarını, NF- $\kappa$ B aracılı inflamasyon ve apoptoz üzerindeki koruyucu etkileri.

149 Cell damage at the origin of antiphospholipid antibodies and their pathogenic potential in recurrent pregnancy loss. **1997**, 5, 176-80 2

148 Neuroprotective effects of bovine colostrum on intracerebral hemorrhage-induced apoptotic neuronal cell death in rats. **2012**, 7, 1715-21 4

147 In vivo cell kinetics in breast carcinogenesis. **2001**, 3, 276-83 12

146 dad-1, an endogenous programmed cell death suppressor in *Caenorhabditis elegans* and vertebrates. **1995**, 14, 4434-41 29

145 DNA damage in human B cells can induce apoptosis, proceeding from G1/S when p53 is transactivation competent and G2/M when it is transactivation defective. **1995**, 14, 4994-5005 39

144 Microfilament reorganization during apoptosis: the role of Gas2, a possible substrate for ICE-like proteases. **1995**, 14, 5179-90 68

143 Superoxide anion is a natural inhibitor of FAS-mediated cell death. **1996**, 15, 216-25 40

142 STK/RON receptor tyrosine kinase mediates both apoptotic and growth signals via the multifunctional docking site conserved among the HGF receptor family. **1996**, 15, 5866-75 42

141 The cell death inhibitor Bcl-2 and its homologues influence control of cell cycle entry. **1996**, 15, 6979-90 112

140 Activation of caspase-3-like proteases in apoptosis induced by sphingosine and other long-chain bases in Hep3B hepatoma cells. **1999**, 338 ( Pt 1), 161-6 24

139 Energy metabolism and protein phosphorylation during apoptosis: a phosphorylation study of tau and high-molecular-weight tau in differentiated PC12 cells. **1999**, 340 ( Pt 1), 51-8 6

|     |   |    |
|-----|---|----|
| 138 | Caspase-mediated cleavage of eukaryotic translation initiation factor subunit 2alpha. <b>1999</b> , 342 ( Pt 1), 65-70  | 19 |
| 137 | Functional analysis of tumour necrosis factor-alpha-related apoptosis-inducing ligand (TRAIL): cysteine-230 plays a critical role in the homotrimerization and biological activity of this novel tumoricidal cytokine. <b>2000</b> , 350 Pt 2, 505-10 | 9  |
| 136 | Isolation of genes controlling apoptosis through their effects on cell survival. <b>2006</b> , 10, 255-262  | 18 |
| 135 | Apoptosis of endothelial cells is associated with paracrine induction of adhesion molecules: evidence for an interleukin-1beta-dependent paracrine loop. <b>1998</b> , 152, 523-32  | 54 |
| 134 | Detection of actin cleavage in Alzheimer's disease. <b>1998</b> , 152, 329-32   | 9  |
| 133 | Macrophage apoptosis in rat crescentic glomerulonephritis. <b>1997</b> , 151, 531-8   | 35 |
| 132 | The potential role of BAX and BCL-2 expression in diffuse alveolar damage. <b>1997</b> , 151, 999-1007  | 61 |
| 131 | Expression and location of pro-apoptotic Bcl-2 family protein BAD in normal human tissues and tumor cell lines. <b>1998</b> , 152, 51-61  | 75 |
| 130 | Prostatic neuroendocrine cells have a unique keratin expression pattern and do not express Bcl-2: cell kinetic features of neuroendocrine cells in the human prostate. <b>1997</b> , 151, 1759-65   | 41 |
| 129 | Charting a new course through the chaos of KS (Kaposi's sarcoma). <b>1996</b> , 148, 1323-9   | 23 |
| 128 | Tumor necrosis factor-alpha-induced apoptosis in hepatocytes in long-term culture. <b>1996</b> , 148, 485-95  | 54 |
| 127 | Kaposi's sarcoma tumor cells preferentially express Bcl-xL. <b>1996</b> , 149, 795-803  | 48 |
| 126 | Tumor-necrosis-factor-induced fibroblast growth factor-1 acts as a survival factor in a transformed endothelial cell line. <b>1996</b> , 149, 945-52  | 6  |
| 125 | Immunohistochemical analysis of Bcl-2 family proteins in adenocarcinomas of the stomach. <b>1996</b> , 149, 1449-57   | 84 |
| 124 | Death by any other name. <b>1995</b> , 147, 229-34  | 61 |
| 123 | Loss of NF-kappaB activity during cerebral ischemia and TNF cytotoxicity. <b>1999</b> , 5, 372-81   | 19 |
| 122 | Rapid assessment of early biophysical changes in K562 cells during apoptosis determined using dielectrophoresis. <b>2006</b> , 1, 333-7   | 25 |
| 121 | Helicobacter pylori and apoptosis. <b>1998</b> , 71, 53-61  | 14 |

|     |  |     |
|-----|--|-----|
| 120 | Implication of ceramide, ceramide 1-phosphate and sphingosine 1-phosphate in tumorigenesis. <b>2008</b> , 3, 81-98   | 23  |
| 119 | NSP 5a3a: a potential novel cancer target in head and neck carcinoma. <b>2010</b> , 1, 423-35  | 10  |
| 118 | Knockdown of apoptosis repressor with caspase recruitment domain (ARC) increases the sensitivity of human glioma cell line U251MG to VM-26. <b>2012</b> , 5, 555-61  | 6   |
| 117 | Association of mitochondrial DNA 10398 polymorphism in invasive breast cancer in malay population of peninsular malaysia. <b>2012</b> , 19, 36-42  | 9   |
| 116 | Distinct different sensitivity of Treg and Th17 cells to Fas-mediated apoptosis signaling in patients with acute coronary syndrome. <b>2013</b> , 6, 297-307   | 8   |
| 115 | Annexin A5-functionalized nanoparticle for multimodal imaging of cell death. <b>2013</b> , 12, 182-90  | 7   |
| 114 | Homocysteine Intracerebroventricular Injection Induces Apoptosis in the Substantia Nigra Cells and Parkinson's Disease Like Behavior in Rats. <b>2013</b> , 2, 80-5  | 8   |
| 113 | Elevation of mitochondrial transmembrane potential and reactive oxygen intermediate levels are early events and occur independently from activation of caspases in Fas signaling. <b>1999</b> , 162, 1466-79 | 190 |
| 112 | Molecular events in gastric carcinogenesis. <b>2014</b> , 7, 375-8   | 3   |
| 111 | Bcl-xL overexpression and its association with the progress of tongue carcinoma. <b>2014</b> , 7, 7360-77  | 12  |
| 110 | Cytotoxic and apoptotic activities of Amorphophallus campanulatus tuber extracts against human hepatoma cell line. <b>2014</b> , 9, 269-77   | 10  |
| 109 | Effect of survivin on tumor growth of colorectal cancer in vivo. <b>2015</b> , 8, 13267-72   | 6   |
| 108 | Relationship of Fas, FasL, p53 and bcl-2 expression in human non-small cell lung carcinomas. <b>2015</b> , 8, 13978-86   | 4   |
| 107 | Effects of Ukrain on intestinal apoptosis caused by ischemia-reperfusion injury in rats. <b>2015</b> , 8, 22158-66   | 4   |
| 106 | Association of FAS A-670G Polymorphism and Risk of Uterine Leiomyoma in a Southeast Iranian Population. <b>2016</b> , 5, 51-55   | 2   |
| 105 | Prostate cancer cell growth characteristics in serum and prostate-conditioned media from moderate-intensity exercise-trained healthy and tumor-bearing rats. <b>2019</b> , 9, 650-667                        | 3   |
| 104 | High expression of HAX-1 protein is associated with tumor growth in papillary thyroid carcinoma. <b>2018</b> , 11, 2080-2087   |     |
| 103 | [T-weighted magnetic resonance imaging contrast agents and their theranostic nanoprobles]. <b>2020</b> , 40, 427-444   | 1   |

|     |   |    |
|-----|---|----|
| 102 | Detection of Apoptosis Initiated in Treated HepG2 Cells with t-BHP: The Role of Phytochemicals to Reduce Toxicity and Stop Apoptosis. <b>2021</b> , 2, 745-767                              |    |
| 101 | Mechanism of Infantile Feire Kechuan Oral Solution against Mycoplasma pneumoniae infection of A549 cells. <b>2021</b> , 112366  | 1  |
| 100 | TRAF7 contributes to tumor progression by promoting ubiquitin-proteasome mediated degradation of P53 in hepatocellular carcinoma. <b>2021</b> , 7, 352                                      | 0  |
| 99  | Bone Formation Ability and Cell Viability Enhancement of MC3T3-E1 Cells by Ferrostatin-1 a Ferroptosis Inhibitor of Cancer Cells. <b>2021</b> , 22,   | 1  |
| 98  | Integration of exonuclease III-powered three-dimensional DNA walker with single-molecule detection for multiple initiator caspases assay.. <b>2021</b> , 12, 15645-15654                    | 2  |
| 97  | Suppression of colorectal carcinogenesis by naringin.. <b>2022</b> , 96, 153897   | 0  |
| 96  | Ethyl pyruvate attenuates isoproterenol-induced myocardial infarction in rats: Insight to TNF- $\alpha$ -mediated apoptotic and necroptotic signaling interplay.. <b>2021</b> , 103, 108495 | 0  |
| 95  | The benefits of exercise for outcome improvement following traumatic brain injury: Evidence, pitfalls and future perspectives.. <b>2021</b> , 349, 113958                                   | 0  |
| 94  | Apoptosis and cancer. <b>2000</b> , 2, 180-190  | 1  |
| 93  | Emerging Mechanisms and Disease Implications of Ferroptosis: Potential Applications of Natural Products.. <b>2021</b> , 9, 774957   | 5  |
| 92  | Effect of cannabidiol on apoptosis and cellular interferon and interferon-stimulated gene responses to the SARS-CoV-2 genes ORF8, ORF10 and M protein.                                      |    |
| 91  | SLC3A2 inhibits ferroptosis in laryngeal carcinoma via mTOR pathway.. <b>2022</b> , 159, 6  | 1  |
| 90  | Recent advances in nanomedicines for photodynamic therapy (PDT)-driven cancer immunotherapy.. <b>2022</b> , 12, 434-458   | 13 |
| 89  | Synthesis, characterization, spectral studies two new transition metal complexes derived from pyrazolone by theoretical studies, and investigate anti-proliferative activity.               | 1  |
| 88  | Quercetin mitigates memory deficits in scopolamine mice model via protection against neuroinflammation and neurodegeneration.. <b>2022</b> , 292, 120326                                    | 1  |
| 87  | Downregulation of CPT2 promotes proliferation and inhibits apoptosis through p53 pathway in colorectal cancer.. <b>2022</b> , 92, 110267  | 1  |
| 86  | Advantages and drawbacks of dexamethasone in glioblastoma multiforme.. <b>2022</b> , 103625   | 2  |
| 85  | Peptide-based supramolecular photodynamic therapy systems: From rational molecular design to effective cancer treatment. <b>2022</b> , 436, 135240  | 4  |

|    |   |   |
|----|---|---|
| 84 | Contribution of vascular smooth muscle cell apoptosis to spiral artery remodeling in early human pregnancy.. <b>2022</b> , 120, 10-17   |   |
| 83 | Nanotechnology-Abetted Astaxanthin Formulations in Multimodel Therapeutic and Biomedical Applications.. <b>2021</b> ,   | 6 |
| 82 | Molecular heterogeneity and regulation of poly(ADP-ribose) glycohydrolase. <b>1999</b> , 193, 75-81   | 6 |
| 81 | Myocardial preconditioning: basic concepts and potential mechanisms. <b>1999</b> , 196, 3-12  | 6 |
| 80 | Synthesis, DNA-binding abilities, and in vitro antitumor activity of water-soluble copper porphyrin and its Schiff-base complexes. <b>2022</b> , 46, 6811-6818  | 0 |
| 79 | Gamma camera imaging of autoimmune diseases. <b>2022</b> ,  |   |
| 78 | Monitoring microenvironment of Hep G2 cell apoptosis using two-photon fluorescence lifetime imaging microscopy.   | 0 |
| 77 | Potential Roles of Glucagon-Like Peptide-1 and Its Analogues in Dementia Targeting Impaired Insulin Secretion and Neurodegeneration.. <b>2022</b> , 12, 31-59   | 0 |
| 76 | Regulation of extrinsic apoptotic signaling by c-FLIP: towards targeting cancer networks.. <b>2021</b> ,  | 3 |
| 75 | Acetic acid triggers cytochrome c release in yeast heterologously expressing human Bax.. <b>2022</b> , 1  | 1 |
| 74 | Vitamin D decreases cell death and inflammation in human umbilical vein endothelial cells and placental explants from pregnant women with preeclampsia cultured with TNF- $\alpha$ <b>2021</b> , 1-17 |   |
| 73 | Hypoxia Activates Notch4 via ERK/JNK/P38 MAPK Signaling Pathways to Promote Lung Adenocarcinoma Progression and Metastasis.. <b>2021</b> , 9, 780121  | 1 |
| 72 | Growth Inhibitory Efficacy of Chinese Herbs in a Cellular Model for Triple-Negative Breast Cancer.. <b>2021</b> , 14,   | 0 |
| 71 | Killing by Degradation: Regulation of Apoptosis by the Ubiquitin-Proteasome-System.. <b>2021</b> , 10,  | 1 |
| 70 | Presentation_1.pdf. <b>2020</b> ,   |   |
| 69 | Image_1.tif. <b>2020</b> ,  |   |
| 68 | Image_2.tif. <b>2020</b> ,  |   |
| 67 | Image_3.tif. <b>2020</b> ,  |   |

|    |   |    |
|----|---|----|
| 66 | Image_4.tif. <b>2020</b> ,  |    |
| 65 | DCAF12 promotes apoptosis and inhibits NF- $\kappa$ B activation by acting as an endogenous antagonist of IAPs.. <b>2022</b> ,  | 1  |
| 64 | Effect of cannabidiol on apoptosis and cellular interferon and interferon-stimulated gene responses to the SARS-CoV-2 genes ORF8, ORF10 and M protein.. <b>2022</b> , 120624  | 0  |
| 63 | Apoptosis and (in) PainPotential Clinical Implications. <b>2022</b> , 10, 1255  | 2  |
| 62 | Effects of metformin, letrozole and atorvastatin on inflammation and apoptosis in experimental peritoneal and ovarian endometriosis in the rat. <b>2022</b> , 235, 153951   | 1  |
| 61 | Novel Insights in the Regulatory Mechanisms of Ferroptosis in Hepatocellular Carcinoma. <b>2022</b> , 10,   | 1  |
| 60 | Apoptosis. <b>2001</b> , 1171-1184  | 0  |
| 59 | ROS and miRNA Dysregulation in Ovarian Cancer Development, Angiogenesis and Therapeutic Resistance. <b>2022</b> , 23, 6702  | 1  |
| 58 | The roles of ubiquitination-mediated intrinsic apoptotic signalling in cancer therapy. <b>2022</b> , 2,   |    |
| 57 | SARS-CoV-2: A Master of Immune Evasion. <b>2022</b> , 10, 1339  | 2  |
| 56 | Transcription factor YY1 contributes to human melanoma cell growth through modulating the p53 signaling pathway.  | 1  |
| 55 | THE MOLECULAR BIOLOGY OF AUTOIMMUNITY. <b>1996</b> , 16, 659-682  |    |
| 54 | Proteasome-mediated degradation of cell division cycle 25C and cyclin-dependent kinase 1 in phenethyl isothiocyanate-induced G2-M-phase cell cycle arrest in PC-3 human prostate cancer cells. <b>2004</b> , 3, 567-576 | 27 |
| 53 | Proteomic analysis of exosomes in pacific oyster <i>Crassostrea gigas</i> during bacterial stimulation. <b>2022</b> ,   | 0  |
| 52 | ( $\beta$ -Gossypol acts directly on the mitochondria to overcome Bcl-2- and Bcl-XL-mediated apoptosis resistance. <b>2005</b> , 4, 23-31   | 24 |
| 51 | Recent progress of male sexual differentiation and development in the oriental river prawn ( <i>Macrobrachium nipponense</i> ): A review.   | 1  |
| 50 | Apoptosis Occurs in the Anterior Talofibular Ligament of Patients With Chronic Lateral Ankle Instability: An In Vitro Study. <b>2022</b> , Publish Ahead of Print,  | 0  |
| 49 | Cancer and apoptosis: The apoptotic activity of plant and marine natural products and their potential as targeted cancer therapeutics. 13,  | 2  |

- 48 SCO-spondin-derived peptide NX210 rescues neurons from cerebral ischemia/reperfusion injury through modulating the Integrin- $\alpha$  mediated PI3K/Akt pathway. **2022**, 111, 109079 ○
- 47 Synthesis, characterization, molecular docking, and anticancer activities of new 1,3,4-oxadiazole-5-fluorocytosine hybrid derivatives. **2023**, 1272, 134135 ○
- 46 The Underlying Mechanism of Quantum Dot-Induced Apoptosis: Potential Application in Cancer Therapy. **2022**, 125-142 ○
- 45 Acupuncture for Autism Spectrum Disorders. **2022**, 539-563 ○
- 44 Structural basis of how the BIRC6/SMAC complex regulates apoptosis and autophagy. ○
- 43 Adenosine as a Key Mediator of Neuronal Survival in Cerebral Ischemic Injury. 1
- 42 Pancancer transcriptomic profiling identifies key PANoptosis markers as therapeutic targets for oncology. **2022**, 4, 1
- 41 Cerebral Malaria and Neuronal Implications of Plasmodium Falciparum Infection: From Mechanisms to Advanced Models. 2202944 ○
- 40 Evaluation of P53 protein expression in gingival tissues of patients with chronic periodontitis by immunohistochemistry methods. ○
- 39 Sargassum horneri Extract Alleviates Testosterone-Induced Benign Prostatic Hyperplasia In Vitro and In Vivo. 1-12 ○
- 38 Recent advances in transition metal-catalyzed reactions of chloroquinoxalines: Applications in bioorganic chemistry. **2022**, 129, 106195 ○
- 37 BCL-2 protein family: attractive targets for cancer therapy. 1
- 36 SETD2 Deficiency Promotes Inflammatory Bowel Disease via Oxidative Stress and FasL-induced Apoptosis. ○
- 35 Effects of elevated temperature on 8-OHdG expression in the American oyster (*Crassostrea virginica*): Induction of oxidative stress biomarkers, cellular apoptosis, DNA damage and ERK2AX signaling pathways. **2023**, 4, 100079 ○
- 34 Shentao Ruangan formula promotes apoptosis via the E2F2-p53 pathway in hepatocellular carcinoma. **2022**, 154565 ○
- 33 Mechanism of ASK1 involvement in liver diseases and related potential therapeutic targets: A critical pathway molecule worth investigating. ○
- 32 An iron-dependent form of non-canonical ferroptosis induced by labile iron. ○
- 31 The c-Jun N-Terminal Kinase Cascade Plays a Role in Stress-Induced Apoptosis in Jurkat Cells by Up-Regulating Fas Ligand Expression. **1998**, 160, 134-144 48

|    |  |     |
|----|--|-----|
| 30 | Morphine Enhances Macrophage Apoptosis. <b>1998</b> , 160, 1886-1893   | 23  |
| 29 | Increased Apoptosis of T Cell Subsets in Aging Humans: Altered Expression of Fas (CD95), Fas Ligand, Bcl-2, and Bax. <b>1998</b> , 160, 1627-1637  | 42  |
| 28 | Potassium Leakage During the Apoptotic Degradation Phase. <b>1998</b> , 160, 5605-5615   | 26  |
| 27 | Proteasome Activation Occurs at an Early, Premitochondrial Step of Thymocyte Apoptosis. <b>1998</b> , 161, 35-40   | 15  |
| 26 | Intracellular Regulation of TRAIL-Induced Apoptosis in Human Melanoma Cells. <b>1998</b> , 161, 2833-2840  | 113 |
| 25 | Apoptosis of Epithelial Cells and Macrophages Due to Infection with the Obligate Intracellular Pathogen <i>Chlamydia psittaci</i> . <b>1998</b> , 161, 4220-4226   | 25  |
| 24 | Molecular Mechanisms of Immune-Mediated Lysis of Murine Renal Cancer: Differential Contributions of Perforin-Dependent Versus Fas-Mediated Pathways in Lysis by NK and T Cells. <b>1998</b> , 161, 3957-3965   | 25  |
| 23 | Elevation of Mitochondrial Transmembrane Potential and Reactive Oxygen Intermediate Levels Are Early Events and Occur Independently from Activation of Caspases in Fas Signaling. <b>1999</b> , 162, 1466-1479 | 36  |
| 22 | Annexin V Delays Apoptosis While Exerting an External Constraint Preventing the Release of CD4+ and PrPc+ Membrane Particles in a Human T Lymphocyte Model. <b>1999</b> , 162, 5712-5718                       | 9   |
| 21 | Protection Against CD95-Mediated Apoptosis by Inorganic Mercury in Jurkat T Cells. <b>1999</b> , 162, 7162-7170  | 10  |
| 20 | Macrophage Recognition of ICAM-3 on Apoptotic Leukocytes. <b>1999</b> , 162, 6800-6810   | 23  |
| 19 | Extinction of IL-12 Signaling Promotes Fas-Mediated Apoptosis of Antigen-Specific T Cells. <b>1999</b> , 162, 7233-7240  | 17  |
| 18 | Resistance of Crohn's Disease T Cells to Multiple Apoptotic Signals Is Associated with a Bcl-2/Bax Mucosal Imbalance. <b>1999</b> , 163, 1081-1090   | 30  |
| 17 | Cutting Edge: Differential Effect of Apoptotic Versus Necrotic Tumor Cells on Macrophage Antitumor Activities. <b>1999</b> , 163, 1730-1732  | 11  |
| 16 | B Cell Apoptosis Triggered by Antigen Receptor Ligation Proceeds Via a Novel Caspase-Dependent Pathway. <b>1999</b> , 163, 2483-2491   | 10  |
| 15 | Synthesis and Antiproliferative Activity against Cancer Cells of Indole-Aryl-Amide Derivatives. <b>2023</b> , 28, 265  | 0   |
| 14 | The Role of Cullin 3 in Cerebral Ischemia/Reperfusion Injury. <b>2023</b> , 514, 14-24   | 0   |
| 13 | Regulation of immunological tolerance by the p53-inhibitor iASPP. <b>2023</b> , 14,  | 0   |



- 12 Structural basis for regulation of apoptosis and autophagy by the BIRC6/SMAC complex. **2023**, 379, 1117-1123
- 11 Apical extrusion prevents apoptosis from activating an acute inflammatory program in epithelia.
- 10 Characteristics of Hyaluronic Acid and Its Use in Ocular Surface Diseases Including Dry Eye. **2023**, 64, 170-183
- 9 A Change in Paradigm: From Disengagement Theory to Positive Ageing Models. **2023**, 13-27
- 8 Antiproliferative effect of Citrus junos extracts on A549 human non-small-cell lung cancer cells. **2023**, 56, 12
- 7 Different reoxygenation rates induce different metabolic, apoptotic and immune responses in Golden Pompano (Trachinotus blochii) after hypoxic stress. **2023**, 135, 108640
- 6 Beneficial insights into postbiotics against colorectal cancer. 10,
- 5 Blackberry-Loaded AgNPs Attenuate Hepatic Ischemia/Reperfusion Injury via PI3K/Akt/mTOR Pathway. **2023**, 13, 419
- 4 The JAK-STAT pathway promotes persistent viral infection by activating apoptosis in insect vectors. **2023**, 19, e1011266
- 3 Extracellular Matrix Dynamics as an Emerging yet Understudied Hallmark of Aging and Longevity. **2022**, 0
- 2 Going beyond Binary: Rapid Identification of Protein-Protein Interaction Modulators Using a Multifragment Kinetic Target-Guided Synthesis Approach. **2023**, 66, 5196-5207
- 1 Anticancer Potential and Molecular Mechanisms of Cinnamaldehyde and Its Congeners Present in the Cinnamon Plant. **2023**, 3, 173-207