Mathieu J M Bertrand

List of Publications by Citations

63 papers	8,344 citations	36 h-index	70 g-index
70 ext. papers	10,383 ext. citations	12.5 avg, IF	5.68 L-index

#	Paper	IF	Citations
63	Molecular mechanisms of cell death: recommendations of the Nomenclature Committee on Cell Death 2018. *Cell Death and Differentiation*, **2018**, 25, 486-541	12.7	2160
62	cIAP1 and cIAP2 facilitate cancer cell survival by functioning as E3 ligases that promote RIP1 ubiquitination. *Molecular Cell*, **2008**, 30, 689-700	17.6	835
61	Essential versus accessory aspects of cell death: recommendations of the NCCD 2015. *Cell Death and Differentiation*, **2015**, 22, 58-73	12.7	643
60	MLKL compromises plasma membrane integrity by binding to phosphatidylinositol phosphates. *Cell Reports*, **2014**, 7, 971-81	10.6	503
59	Cellular inhibitors of apoptosis cIAP1 and cIAP2 are required for innate immunity signaling by the pattern recognition receptors NOD1 and NOD2. *Immunity*, **2009**, 30, 789-801	32.3	261
58	cIAP1 and TAK1 protect cells from TNF-induced necrosis by preventing RIP1/RIP3-dependent reactive oxygen species production. *Cell Death and Differentiation*, **2011**, 18, 656-65	12.7	251
57	NF-B-Independent Role of IKK/IKK in Preventing RIPK1 Kinase-Dependent Apoptotic and Necroptotic Cell Death during TNF Signaling. *Molecular Cell*, **2015**, 60, 63-76	17.6	250
56	RIPK1 ensures intestinal homeostasis by protecting the epithelium against apoptosis. *Nature*, **2014**, 513, 95-9	50.4	224
55	RIPK3 contributes to TNFR1-mediated RIPK1 kinase-dependent apoptosis in conditions of cIAP1/2 depletion or TAK1 kinase inhibition. *Cell Death and Differentiation*, **2013**, 20, 1381-92	12.7	209
54	Vaccination with Necroptotic Cancer Cells Induces Efficient Anti-tumor Immunity. *Cell Reports*, **2016**, 15, 274-87	10.6	204
53	TNF-induced necroptosis in L929 cells is tightly regulated by multiple TNFR1 complex I and II members. *Cell Death and Disease*, **2011**, 2, e230	9.8	163
52	Depletion of RIPK3 or MLKL blocks TNF-driven necroptosis and switches towards a delayed RIPK1 kinase-dependent apoptosis. *Cell Death and Disease*, **2014**, 5, e1004	9.8	148
51	The unfolded protein response at the crossroads of cellular life and death during endoplasmic reticulum stress. *Biology of the Cell*, **2012**, 104, 259-70	3.5	148
50	NOD-like receptors and the innate immune system: coping with danger, damage and death. *Cytokine and Growth Factor Reviews*, **2011**, 22, 257-76	17.9	144
49	More to Life than NF-B in TNFR1 Signaling. *Trends in Immunology*, **2016**, 37, 535-545	14.4	136
48	Molecular crosstalk between apoptosis, necroptosis, and survival signaling. *Molecular and Cellular Oncology*, **2015**, 2, e975093	1.2	121
47	MK2 phosphorylation of RIPK1 regulates TNF-mediated cell death. *Nature Cell Biology*, **2017**, 19, 1237-1247	24	108

46	When PERK inhibitors turn out to be new potent RIPK1 inhibitors: critical issues on the specificity and use of GSK2606414 and GSK2656157. *Cell Death and Differentiation*, **2017**, 24, 1100-1110	12.7	102
45	ProNGF induces TNFalpha-dependent death of retinal ganglion cells through a p75NTR non-cell-autonomous signaling pathway. *Proceedings of the National Academy of Sciences of the United States of America*, **2010**, 107, 3817-22	11.5	101
44	Polyhydramnios, Transient Antenatal Bartter's Syndrome, and MAGED2 Mutations. *New England Journal of Medicine*, **2016**, 374, 1853-63	59.2	96
43	Poly-ubiquitination in TNFR1-mediated necroptosis. *Cellular and Molecular Life Sciences*, **2016**, 73, 2165-76	10.3	92
42	Endoplasmic reticulum stress induces ligand-independent TNFR1-mediated necroptosis in L929 cells. *Cell Death and Disease*, **2015**, 6, e1587	9.8	87
41	An evolutionary perspective on the necroptotic pathway. *Trends in Cell Biology*, **2016**, 26, 721-732	18.3	86
40	Smac mimetic bypasses apoptosis resistance in FADD- or caspase-8-deficient cells by priming for tumor necrosis factor-induced necroptosis. *Neoplasia*, **2011**, 13, 971-9	6.4	79
39	cIAP1/2 are direct E3 ligases conjugating diverse types of ubiquitin chains to receptor interacting proteins kinases 1 to 4 (RIP1-4). *PLoS ONE*, **2011**, 6, e22356	3.7	74
38	Serine 25 phosphorylation inhibits RIPK1 kinase-dependent cell death in models of infection and inflammation. *Nature Communications*, **2019**, 10, 1729	17.4	69
37	IAPs, regulators of innate immunity and inflammation. *Seminars in Cell and Developmental Biology*, **2015**, 39, 106-14	7.5	58
36	RIP1 is required for IAP inhibitor-mediated sensitization of childhood acute leukemia cells to chemotherapy-induced apoptosis. *Leukemia*, **2012**, 26, 1020-9	10.7	57
35	The role of the IAP E3 ubiquitin ligases in regulating pattern-recognition receptor signalling. *Nature Reviews Immunology*, **2012**, 12, 833-44	36.5	54
34	NRAGE, a p75NTR adaptor protein, is required for developmental apoptosis in vivo. *Cell Death and Differentiation*, **2008**, 15, 1921-9	12.7	53
33	RIPK1 protects from TNF-mediated liver damage during hepatitis. *Cell Death and Disease*, **2016**, 7, e2462	9.8	49
32	Loss of Maged1 results in obesity, deficits of social interactions, impaired sexual behavior and severe alteration of mature oxytocin production in the hypothalamus. *Human Molecular Genetics*, **2012**, 21, 4703-17	5.6	46
31	The Ripoptosome: death decision in the cytosol. *Molecular Cell*, **2011**, 43, 323-5	17.6	46
30	Respiratory Syncytial Virus Infection Promotes Necroptosis and HMGB1 Release by Airway Epithelial Cells. *American Journal of Respiratory and Critical Care Medicine*, **2020**, 201, 1358-1371	10.2	41
29	Deficiency in the mitochondrial apoptotic pathway reveals the toxic potential of autophagy under ER stress conditions. *Autophagy*, **2014**, 10, 1921-36	10.2	40

28	RIPK1 Kinase-Dependent Death: A Symphony of Phosphorylation Events. *Trends in Cell Biology*, **2020**, 30, 189-200	18.3	37
27	Intermediate domain of receptor-interacting protein kinase 1 (RIPK1) determines switch between necroptosis and RIPK1 kinase-dependent apoptosis. *Journal of Biological Chemistry*, **2012**, 287, 14863-72	5.4	34
26	Interaction patches of procaspase-1 caspase recruitment domains (CARDs) are differently involved in procaspase-1 activation and receptor-interacting protein 2 (RIP2)-dependent nuclear factor **B** signaling. *Journal of Biological Chemistry*, **2011**, 286, 35874-35882	5.4	34
25	Type III collagen affects dermal and vascular collagen fibrillogenesis and tissue integrity in a mutant Col3a1 transgenic mouse model. *Matrix Biology*, **2018**, 70, 72-83	11.4	33
24	Autophosphorylation at serine 166 regulates RIP kinase 1-mediated cell death and inflammation. *Nature Communications*, **2020**, 11, 1747	17.4	32
23	A20 protects cells from TNF-induced apoptosis through linear ubiquitin-dependent and -independent mechanisms. *Cell Death and Disease*, **2019**, 10, 692	9.8	31
22	A real-time fluorometric method for the simultaneous detection of cell death type and rate. *Nature Protocols*, **2016**, 11, 1444-54	18.8	31
21	RIPK1 promotes death receptor-independent caspase-8-mediated apoptosis under unresolved ER stress conditions. *Cell Death and Disease*, **2014**, 5, e1555	9.8	31
20	RIPK1 protects hepatocytes from Kupffer cells-mediated TNF-induced apoptosis in mouse models of PAMP-induced hepatitis. *Journal of Hepatology*, **2017**, 66, 1205-1213	13.4	30
19	Caspase-3 and RasGAP: a stress-sensing survival/demise switch. *Trends in Cell Biology*, **2014**, 24, 83-9	18.3	30
18	A20 and Cell Death-driven Inflammation. *Trends in Immunology*, **2020**, 41, 421-435	14.4	29
17	Two distinct ubiquitin-binding motifs in A20 mediate its anti-inflammatory and cell-protective activities. *Nature Immunology*, **2020**, 21, 381-387	19.1	28
16	NIK promotes tissue destruction independently of the alternative NF-**B** pathway through TNFR1/RIP1-induced apoptosis. *Cell Death and Differentiation*, **2015**, 22, 2020-33	12.7	28
15	The Tumor Suppressor Hace1 Is a Critical Regulator of TNFR1-Mediated Cell Fate. *Cell Reports*, **2016** , 15, 1481-1492	10.6	24
14	cIAP2 supports viability of mice lacking cIAP1 and XIAP. *EMBO Journal*, **2015**, 34, 2393-5	13	19
13	Immunodominant AH1 Antigen-Deficient Necroptotic, but Not Apoptotic, Murine Cancer Cells Induce Antitumor Protection. *Journal of Immunology*, **2020**, 204, 775-787	5.3	19
12	OTULIN Prevents Liver Inflammation and Hepatocellular Carcinoma by Inhibiting FADD- and RIPK1 Kinase-Mediated Hepatocyte Apoptosis. *Cell Reports*, **2020**, 30, 2237-2247.e6	10.6	17
11	Apoptotic sensitivity of murine IAP-deficient cells. *Biochemical Journal*, **2008**, 415, 21-5	3.8	15

List of Publications

10	The E3 ubiquitin ligases HOIP and cIAP1 are recruited to the TNFR2 signaling complex and mediate TNFR2-induced canonical NF-B signaling. *Biochemical Pharmacology*, **2018**, 153, 292-298	6	14
9	Maged1, a new regulator of skeletal myogenic differentiation and muscle regeneration. *BMC Cell Biology*, **2010**, 11, 57		12
8	A siRNA screen reveals the prosurvival effect of protein kinase A activation in conditions of unresolved endoplasmic reticulum stress. *Cell Death and Differentiation*, **2016**, 23, 1670-80	12.7	9
7	N-glycosylation of mouse TRAIL-R restrains TRAIL-induced apoptosis. *Cell Death and Disease*, **2018**, 9, 494	9.8	9
6	RIPK1 protects hepatocytes from death in Fas-induced hepatitis. *Scientific Reports*, **2017**, 7, 9205	4.9	8
5	MK2 puts an additional brake on RIPK1 cytotoxic potential. *Cell Death and Differentiation*, **2018**, 25, 457-459	12.7	3
4	Experimental African trypanosome infection suppresses the development of multiple myeloma in mice by inducing intrinsic apoptosis of malignant plasma cells. *Oncotarget*, **2017**, 8, 52016-52025	3.3	3
3	Monitoring RIPK1 Phosphorylation in the TNFR1 Signaling Complex. *Methods in Molecular Biology*, **2018**, 1857, 171-179	1.4	2
2	Antioxidant and food additive BHA prevents TNF cytotoxicity by acting as a direct RIPK1 inhibitor. *Cell Death and Disease*, **2021**, 12, 699	9.8	2
1	The Impact of RIPK1 Kinase Inhibition on Atherogenesis: A Genetic and a Pharmacological Approach. *Biomedicines*, **2022**, 10, 1016	4.8	0