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Disruption of the low affinity receptor-binding site in NGF allows neuronal survival and differentiation by binding to the trk gene product

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#	Paper	IF	Citations
331	Membrane depolarization induces p140trk and NGF responsiveness, but not p75LNGFR, in MAH cells. 1992 , 257, 395-7		104
330	Neurotrophin receptors: a window into neuronal differentiation. 1992, 9, 583-93		685
329	Overexpression of the trk tyrosine kinase rapidly accelerates nerve growth factor-induced differentiation. 1992 , 9, 883-96		311
328	Nerve growth factor mediates signal transduction through trk homodimer receptors. 1992 , 9, 1067-79		432
327	The nerve growth factor family of receptors. 1992 , 15, 323-31		578
326	Molecular cloning of rat trkC and distribution of cells expressing messenger RNAs for members of the trk family in the rat central nervous system. 1992 , 51, 513-32		537
325	Bibliography of the current world literature. 1992 , 2, 921-979		
324	Regulation of the low affinity receptor for nerve growth factor, p75NGFR, in the olfactory system of neonatal and adult rat. 1992 , 10, 343-59		17
323	Neurotrophic interactions in the nervous system. 1992 , 35 Suppl 2, S18-22		1
322	Cells Expressing mRNA for Neurotrophins and their Receptors During Embryonic Rat Development. 1992 , 4, 1140-1158		450
321	Function and evolution in the NGF family and its receptors. 1992 , 32, 461-70		297
320	Influences of neurotrophins on mammalian motoneurons in vivo. 1993 , 24, 1555-77		180
319	Early responses of PC-12 cells to NGF and EGF: effect of K252a and 5'-methylthioadenosine on gene expression and membrane protein methylation. 1993 , 36, 58-65		22
318	Nerve growth factor-induced excitation of selected neurons in the brain which is blocked by a low-affinity receptor antibody. 1993 , 93, 226-30		24
317	Neurotrophin signalling in the nervous system. 1993 , 5, 239-247		17
316	Oncogenes and protein kinases in neuronal growth-factor action. 1993 , 1155, 133-50		9
315	The neurotrophins and their receptors. 1993 , 3, 262-8		158

314	Topological similarities in TGF-beta 2, PDGF-BB and NGF define a superfamily of polypeptide growth factors. 1993 , 1, 153-9		139
313	Immunocytochemical localization of the low-affinity nerve growth factor receptor (p75NGFR) in the cuneate nucleus of the rat and its relationship to cytochrome-oxidase activity. 1993 , 603, 324-7		10
312	CGRP immunoreactive neurons in rat dorsal root ganglia do not all contain low-affinity NGF receptor immunoreactivity. 1993 , 612, 322-5		16
311	Evidence that brain-derived neurotrophic factor is a trophic factor for motor neurons in vivo. 1993 , 10, 359-67		506
310	Developmental expression of trkB and low-affinity NGF receptor in the rat retina. 1993 , 151, 174-7		33
309	Pleiotropic signaling from receptor tyrosine kinases. 1993 , 3, 352-9		19
308	Cell type-specific negative regulatory element in low-affinity nerve growth factor receptor gene. 1993 , 20, 199-208		13
307	A novel receptor-type protein tyrosine phosphatase is expressed during neurogenesis in the olfactory neuroepithelium. 1993 , 11, 387-400		75
306	Nerve growth factor revisited. 1993 , 18, 48-52		81
305	Ectopic trkA expression mediates a NGF survival response in NGF-independent sensory neurons but not in parasympathetic neurons. 1993 , 123, 1555-66		47
304	Cell regulation. 1993 , 5, 309-81		
303	p75-deficient trigeminal sensory neurons have an altered response to NGF but not to other neurotrophins. 1993 , 11, 565-74		331
302	A structural superfamily of growth factors containing a cystine knot motif. <i>Cell</i> , 1993 , 73, 421-4	56.2	488
301	Betaglycan presents ligand to the TGF beta signaling receptor. <i>Cell</i> , 1993 , 73, 1435-44	56.2	787
300	Molecular cloning and cellular localization of trkC in the chicken embryo. 1993 , 75, 235-52		49
299	Expression of members of the trk family in the developing postnatal rat brain. 1993 , 72, 119-31		159
298	Increased production of the TrkB protein tyrosine kinase receptor after brain insults. 1993 , 10, 151-64		366
297	Induction of apoptosis by the low-affinity NGF receptor. 1993 , 261, 345-8		735

296	Association of a purine-analogue-sensitive protein kinase activity with p75 nerve growth factor receptors. 1993 , 4, 71-8		38
295	Receptors for nerve growth factor. 1992 , 137B, 169-80		25
294	Differential expression of nerve growth factor receptors leads to altered binding affinity and neurotrophin responsiveness. 1993 , 90, 7859-63		258
293	Expression of nerve growth factor and nerve growth factor receptor tyrosine kinase Trk in activated CD4-positive T-cell clones. 1993 , 90, 10984-8		253
292	Chimeric tumor necrosis factor-TrkA receptors reveal that ligand-dependent activation of the TrkA tyrosine kinase is sufficient for differentiation and survival of PC12 cells. 1993 , 90, 8717-21		53
291	Expression of trkA cDNA in neuroblastomas mediates differentiation in vitro and in vivo. <i>Molecular and Cellular Biology</i> , 1993 , 13, 7447-56	4.8	88
290	Nonhuman Primate Models in Trophic Factor Research. 1993 , 331-370		2
289	An extended surface of binding to Trk tyrosine kinase receptors in NGF and BDNF allows the engineering of a multifunctional pan-neurotrophin <i>EMBO Journal</i> , 1993 , 12, 2281-2293	13	115
288	Characterization of glial trkB receptors: differential response to injury in the central and peripheral nervous systems. 1993 , 90, 4971-5		219
287	HSV-1 vector-mediated gene transfer of the human nerve growth factor receptor p75hNGFR defines high-affinity NGF binding. 1993 , 13, 941-51		127
286	Immunological relationships of NGF, BDNF, and NT-3: recognition and functional inhibition by antibodies to NGF. 1993 , 13, 2853-62		52
285	Expression of functional trk protooncogene in human monocytes. 1993 , 90, 5423-7		147
284	Retrograde Axonal Transport. 1993 , 247-290		5
283	Signal transduction events mediated by the BDNF receptor gp 145trkB in primary hippocampal pyramidal cell culture. 1993 , 13, 4281-92		90
282	Tyrosine 785 is a major determinant of Trksubstrate interaction EMBO Journal, 1993, 12, 933-941	13	131
281	Developmental expression of trkC, the neurotrophin-3 receptor, in the mammalian nervous system. 1994 , 14, 14-28		176
280	The binding epitopes of neurotrophin-3 to its receptors trkC and gp75 and the design of a multifunctional human neurotrophin <i>EMBO Journal</i> , 1994 , 13, 5896-5909	13	88
279	Overlapping and distinct actions of the neurotrophins BDNF, NT-3, and NT-4/5 on cultured dopaminergic and GABAergic neurons of the ventral mesencephalon. 1994 , 14, 335-47		355

278	The CD40 antigen and its ligand. 1994 , 12, 881-922	1072
277	TrkA cross-linking mimics neuronal responses to nerve growth factor. 1994 , 5, 549-63	217
276	Circular dichroism and crosslinking studies of the interaction between four neurotrophins and the extracellular domain of the low-affinity neurotrophin receptor. 1994 , 3, 451-8	13
275	Nerve growth factor: structure/function relationships. 1994 , 3, 1901-13	57
274	Engineering cells to secrete growth factors. 1994 , 242, S5-7	10
273	Immunological determinants of nerve growth factor involved in p140trk (Trk) receptor binding. 1994 , 37, 433-44	22
272	p75 nerve growth factor receptor modulates p140trkA kinase activity, but not ligand internalization, in PC12 cells. 1994 , 38, 599-606	44
271	Neurotrophin-3 acquires NGF-like activity after exchange to five NGF amino acid residues: molecular analysis of the sites in NGF mediating the specific interaction with the NGF high affinity receptor. 1994 , 39, 195-210	33
270	NGF and the local control of nerve terminal growth. 1994 , 25, 599-611	125
269	Structure-function relationships in the neurotrophin family. 1994 , 25, 1349-61	64
268	The p75 neurotrophin receptor. 1994 , 25, 1373-85	389
267	Substance P-, calcitonin gene-related peptide, growth-associated protein-43, and neurotrophin receptor-like immunoreactivity associated with unmyelinated axons in feline ventral roots and pia mater. 1994 , 339, 365-86	21
266	In situ hybridization detection of trkA mRNA in brain: distribution, colocalization with p75NGFR and up-regulation by nerve growth factor. 1994 , 341, 324-39	141
265	Highly selective effects of nerve growth factor, brain-derived neurotrophic factor, and neurotrophin-3 on intact and injured basal forebrain magnocellular neurons. 1994 , 343, 247-62	106
264	Localization and regulation of low affinity nerve growth factor receptor expression in the rat olfactory system during development and regeneration. 1994 , 344, 336-48	111
263	Induction of nerve growth factor responsiveness in C6-2B glioma cells by expression of trkA proto-oncogene. 1994 , 12, 117-27	22
262	Cellular mechanisms of signal transduction for neurotrophins. 1994 , 16, 405-11	31
261	Immunohistochemical localization of the high-affinity NGF receptor (gp140-trkA) in the adult human dorsal root and sympathetic ganglia and in the nerves and sensory corpuscles supplying digital skin. 1994 , 240, 579-88	48

260	In situ hybridization of trkB and trkC receptor mRNA in rat forebrain and association with high-affinity binding of [125I]BDNF, [125I]NT-4/5 and [125I]NT-3. 1994 , 6, 1389-405	181
259	Characterisation of neurotrophin dimers and monomers. 1994 , 225, 995-1003	62
258	Chronic alcohol ingestion: nerve growth factor gene expression and neurotrophic activity in rat hippocampus. 1994 , 18, 1368-76	27
257	Lesion induced expression of low-affinity NGF-binding protein (p75) immunoreactivity after neonatal and adult aspiration lesions of the rat dorsomedial prefrontal cortex. 1994 , 82, 167-74	10
256	Cellular components of nerve growth factor signaling. 1994 , 1222, 187-202	52
255	The conservation of neurotrophic factors during vertebrate evolution. 1994 , 108, 1-10	23
254	The mutability of low-affinity nerve growth factor receptor (p75NGFR) expression in the rat cuneate nucleus following perinatal injury and adult deafferentations: comparisons with cytochrome oxidase. 1994 , 646, 1-12	6
253	Comparative equilibrium denaturation studies of the neurotrophins: nerve growth factor, brain-derived neurotrophic factor, neurotrophin 3, and neurotrophin 4/5. 1994 , 33, 4667-76	33
252	Targeted disruption of the BDNF gene perturbs brain and sensory neuron development but not motor neuron development. <i>Cell</i> , 1994 , 76, 989-99	934
251	Electron microscopic localization of nerve growth factor receptor (p75)-immunoreactivity in pars caudalis/medullary dorsal horn of the cat. 1994 , 642, 137-45	15
250	The low affinity NGF receptor, p75, can collaborate with each of the Trks to potentiate functional responses to the neurotrophins. 1994 , 13, 187-201	273
249	Neurotrophin receptors. 1994 , 42, 347-52	94
248	The role of neurotrophins during successive stages of sensory neuron development. 1994 , 5, 263-89	26
247	Expression of polyadenylated and non-polyadenylated trkC transcripts in the rodent central nervous system. 1994 , 61, 245-56	6
246	Neurotrophic factor receptors: just like other growth factor and cytokine receptors?. 1994 , 4, 400-5	29
245	Disruption of NGF binding to the low affinity neurotrophin receptor p75LNTR reduces NGF binding to TrkA on PC12 cells. 1994 , 13, 203-15	375
244	Intrastriatal infusion of nerve growth factor after quinolinic acid prevents reduction of cellular expression of choline acetyltransferase messenger RNA and trkA messenger RNA, but not glutamate decarboxylase messenger RNA. 1994 , 61, 257-68	46
243	p75LNGFR regulates Trk signal transduction and NGF-induced neuronal differentiation in MAH cells. 1994 , 12, 733-45	329

242	Neurotrophin binding to human alpha 2-macroglobulin under apparent equilibrium conditions. 1994 , 33, 11270-7	45
241	Expression of the low-affinity nerve growth factor receptor enhances beta-amyloid peptide toxicity. 1994 , 91, 10703-6	105
240	Nerve growth factor and neuronal gene expression. 1994 , 103, 23-33	6
239	Neurotrophins: signals between the nervous and immune systems. 1994 , 103, 293-305	55
238	Expression of trk in MAH cells lacking the p75 low-affinity nerve growth factor receptor is sufficient to permit nerve growth factor-induced differentiation to postmitotic neurons. 1994 , 91, 3949-53	31
237	Neurotrophins induce sphingomyelin hydrolysis. Modulation by co-expression of p75NTR with Trk receptors. <i>Journal of Biological Chemistry</i> , 1995 , 270, 22135-42	195
236	Neurotrophic factors: from structure-function studies to designing effective therapeutics. 1995 , 13, 217-27	118
235	Neuronal and nonneuronal expression of neurotrophins and their receptors in sensory and sympathetic ganglia suggest new intercellular trophic interactions. 1995 , 353, 143-59	201
234	Modeled structure of the 75-kDa neurotrophin receptor. 1995 , 4, 1696-707	38
233	Developmentally regulated expression of mRNA for neurotrophin high-affinity (trk) receptors within chick trigeminal sensory neurons. 1995 , 7, 116-28	28
232	TrkB-like immunoreactivity in trigeminal sensory nerve fibers of the rat molar tooth pulp: development and response to nerve injury. 1995 , 686, 123-33	22
231	Stress and reactivation of latent herpes simplex virus: a fusion of behavioral medicine and molecular biology. 1995 , 17, 116-23	20
230	Neurotrophins and the neuroendocrine brain: different neurotrophins sustain anatomically and functionally segregated subsets of hypothalamic dopaminergic neurons. 1995 , 15, 4223-37	64
229	Crystal structure of dimeric human ciliary neurotrophic factor determined by MAD phasing <i>EMBO Journal</i> , 1995 , 14, 2689-2699	110
228	Functional analysis of mutant neurotrophins deficient in low-affinity binding reveals a role for p75LNGFR in NT-4 signalling <i>EMBO Journal</i> , 1995 , 14, 1979-1990	93
227	Structural determinants of neurotrophin action. <i>Journal of Biological Chemistry</i> , 1995 , 270, 19669-72 5.4	58
226	Nerve growth factor binding site on TrkA mapped to a single 24-amino acid leucine-rich motif. <i>Journal of Biological Chemistry</i> , 1995 , 270, 28133-8 5.4	43
225	Requirement for phosphatidylinositol-3 kinase in the prevention of apoptosis by nerve growth factor. 1995 , 267, 2003-6	1181

224	The biosynthesis of neurotrophin heterodimers by transfected mammalian cells. <i>Journal of Biological Chemistry</i> , 1995 , 270, 12297-304	5.4	53
223	Alteration of NH2-terminal residues of nerve growth factor affects activity and Trk binding without affecting stability or conformation. <i>Journal of Biological Chemistry</i> , 1995 , 270, 6278-85	5.4	30
222	What Makes Subcortical Barrels?. Cerebral Cortex, 1995, 123-187		27
221	Interaction with TrkA immobilizes gp75 in the high affinity nerve growth factor receptor complex. <i>Journal of Biological Chemistry</i> , 1995 , 270, 2133-8	5.4	75
220	Zone mapping of the binding domain of the rat low affinity nerve growth factor receptor by the introduction of novel N-glycosylation sites. <i>Journal of Biological Chemistry</i> , 1995 , 270, 4594-602	5.4	28
219	Heterodimeric neurotrophins induce phosphorylation of Trk receptors and promote neuronal differentiation in PC12 cells. <i>Journal of Biological Chemistry</i> , 1995 , 270, 23104-10	5.4	15
218	Functional interactions of neurotrophins and neurotrophin receptors. 1995 , 18, 223-53		728
217	Classical electrostatics in biology and chemistry. 1995 , 268, 1144-9		2487
216	Differential role of the low affinity neurotrophin receptor (p75) in retrograde axonal transport of the neurotrophins. 1995 , 14, 1201-11		191
215	Neurotrophic factors and their receptors. 1995 , 7, 148-55		486
215	Grasping objects: the cortical mechanisms of visuomotor transformation. 1995 , 18, 314-320		1229
, in the second			
214	Grasping objects: the cortical mechanisms of visuomotor transformation. 1995 , 18, 314-320		1229
214	Grasping objects: the cortical mechanisms of visuomotor transformation. 1995 , 18, 314-320 Structure of the brain-derived neurotrophic factor/neurotrophin 3 heterodimer. 1995 , 34, 4139-46 Insect prothoracicotropic hormone: a new member of the vertebrate growth factor superfamily.		1229
214 213 212	Grasping objects: the cortical mechanisms of visuomotor transformation. 1995 , 18, 314-320 Structure of the brain-derived neurotrophic factor/neurotrophin 3 heterodimer. 1995 , 34, 4139-46 Insect prothoracicotropic hormone: a new member of the vertebrate growth factor superfamily. 1995 , 376, 251-6 Theoretical Studies on the Bioactive Conformation of Nerve Growth Factor Using VBMCA Novel		1229 105 42
214 213 212 211	Grasping objects: the cortical mechanisms of visuomotor transformation. 1995, 18, 314-320 Structure of the brain-derived neurotrophic factor/neurotrophin 3 heterodimer. 1995, 34, 4139-46 Insect prothoracicotropic hormone: a new member of the vertebrate growth factor superfamily. 1995, 376, 251-6 Theoretical Studies on the Bioactive Conformation of Nerve Growth Factor Using VBMCA Novel Variable Basis Monte Carlo Simulated Annealing Algorithm for Peptides. 1996, 118, 9743-9749		1229 105 42 13
214 213 212 211 210	Grasping objects: the cortical mechanisms of visuomotor transformation. 1995, 18, 314-320 Structure of the brain-derived neurotrophic factor/neurotrophin 3 heterodimer. 1995, 34, 4139-46 Insect prothoracicotropic hormone: a new member of the vertebrate growth factor superfamily. 1995, 376, 251-6 Theoretical Studies on the Bioactive Conformation of Nerve Growth Factor Using VBMCA Novel Variable Basis Monte Carlo Simulated Annealing Algorithm for Peptides. 1996, 118, 9743-9749 Neurotrophic factors in peripheral neuropathies: pharmacological strategies. 1996, 49, 125-43		1229 105 42 13 46

206	Retrograde transport of neurotrophins from the eye to the brain in chick embryos: roles of the p75NTR and trkB receptors. 1996 , 16, 2995-3008	141
205	Nerve growth factor (NGF)-mediated protection of neural crest cells from antimitotic agent-induced apoptosis: the role of the low-affinity NGF receptor. 1996 , 16, 3895-9	75
204	Neurotrophin-4: the odd one out in the neurotrophin family. 1996 , 21, 787-93	57
203	The depolarisation-induced release of [125I]BDNF from brain tissue. 1996 , 743, 40-8	38
202	Regional distribution of neurotrophin receptors in the developing auditory brainstem. 1996 , 367, 454-64	48
201	The low-affinity nerve growth factor receptor p75NGFR mediates death of PC12 cells after nerve growth factor withdrawal. 1996 , 45, 117-28	78
200	Mutational studies of conserved residues in the dimer interface of nerve growth factor. 1996 , 5, 447-55	7
199	Characterization of histidine residues essential for receptor binding and activity of nerve growth factor. <i>Journal of Biological Chemistry</i> , 1996 , 271, 24433-41	21
198	CD40-CD40 ligand: a multifunctional receptor-ligand pair. 1996 , 61, 1-77	237
197	Binding of neurotrophin-3 to p75LNGFR, TrkA, and TrkB mediated by a single functional epitope distinct from that recognized by trkC. <i>Journal of Biological Chemistry</i> , 1996 , 271, 5623-7	49
196	TrkA mediates the nerve growth factor-induced intracellular calcium accumulation. <i>Journal of Biological Chemistry</i> , 1996 , 271, 6092-8	38
195	Rapid retrograde tyrosine phosphorylation of trkA and other proteins in rat sympathetic neurons in compartmented cultures. 1997 , 138, 411-21	145
194	Two restricted sites on the surface of the nerve growth factor molecule independently determine specific TrkA receptor binding and activation. <i>Journal of Biological Chemistry</i> , 1997 , 272, 9300-7	27
193	Differential modulation of neuron survival during development by nerve growth factor binding to the p75 neurotrophin receptor. <i>Journal of Biological Chemistry</i> , 1997 , 272, 16322-8	83
192	A second determinant of binding to the p75 neurotrophin receptor revealed by alanine-scanning mutagenesis of a conserved loop in nerve growth factor. <i>Journal of Biological Chemistry</i> , 1997 , 272, 33085 ⁴ 91	17
191	The role of the nerve growth factor carboxyl terminus in receptor binding and conformational stability. <i>Journal of Biological Chemistry</i> , 1997 , 272, 29222-8	18
190	Brain-derived neurotrophic factor binding to the p75 neurotrophin receptor reduces TrkA signaling while increasing serine phosphorylation in the TrkA intracellular domain. <i>Journal of Biological</i> 5.4 <i>Chemistry</i> , 1997 , 272, 23547-51	67
189	NGF and neurotrophin-3 both activate TrkA on sympathetic neurons but differentially regulate survival and neuritogenesis. 1997 , 136, 375-88	153

188	Human Melanocytes as a Model System for Studies of Alzheimer Disease. 1997 , 133, 1287	12
187	Nerve growth factor receptors. 1997 , 177-196	
186	Characterization and evaluation of NGF antisense oligonucleotides: inhibition of NGF synthesis in transfected COS cells. 1997 , 7, 89-100	3
185	NGF binding to p75 enhances the sensitivity of sensory and sympathetic neurons to NGF at different stages of development. 1997 , 10, 162-72	38
184	Spatial regulation of neuronal gene expression in response to nerve growth factor. 1997 , 184, 1-9	30
183	Signalling through the neurotrophin receptor p75NTR. 1997 , 7, 413-8	196
182	Apoptosis in development and disease of the nervous system: II. Apoptosis in childhood neurologic disease. 1997 , 16, 93-7	19
181	A 70 amino acid region within the semaphorin domain activates specific cellular response of semaphorin family members. 1997 , 19, 531-7	130
180	Secreted chick semaphorins bind recombinant neuropilin with similar affinities but bind different subsets of neurons in situ. 1997 , 19, 539-45	182
179	Neurotrophin stimulation of human melanoma cell invasion: selected enhancement of heparanase activity and heparanase degradation of specific heparan sulfate subpopulations. 1997 , 37, 111-34	26
178	p75NTR and apoptosis: Trk-dependent and Trk-independent effects. 1997 , 20, 287-90	155
177	Blocking nerve growth factor binding to the p75 neurotrophin receptor on sympathetic neurons transiently reduces trkA activation but does not affect neuronal survival. 1997 , 81, 861-71	28
176	Optimal nerve growth factor trophic signals mediated by synergy of TrkA and p75 receptor-specific ligands. 1997 , 17, 6031-7	85
175	Human melanoma cell invasion: selected neurotrophin enhancement of invasion and heparanase activity. 1997 , 2, 99-105	13
174	Regulation of rat Na(+)-K(+)-ATPase activity by PKC is modulated by state of phosphorylation of Ser-943 by PKA. 1997 , 273, C1981-6	39
173	Overexpression of nerve growth factor in skin increases sensory neuron size and modulates Trk receptor expression. 1997 , 9, 1574-85	59
172	Zinc alters conformation and inhibits biological activities of nerve growth factor and related neurotrophins. 1997 , 3, 872-8	73
171	Structure of mouse 7S NGF: a complex of nerve growth factor with four binding proteins. 1997 , 5, 1275-85	55

170	The cellular and molecular basis of peripheral nerve regeneration. 1997, 14, 67-116	960
169	Reciprocal changes in expression of mRNA for nerve growth factor and its receptors TrkA and LNGFR in brain of aged rats in relation to maze learning deficits. 1997 , 114, 205-13	31
168	Synthetic NGF peptide derivatives prevent neuronal death via a p75 receptor-dependent mechanism. 1997 , 48, 1-17	66
167	Combined use of carboxyl-directed protein pegylation and vector-mediated blood-brain barrier drug delivery system optimizes brain uptake of brain-derived neurotrophic factor following intravenous administration. 1998 , 15, 576-82	108
166	p75NTR: A study in contrasts. 1998 , 5, 346-56	121
165	p75NTR and the concept of cellular dependence: seeing how the other half die. 1998 , 5, 365-71	80
164	p75-deficient sensory axons are immunoreactive for the glycoprotein L1 in mice overexpressing nerve growth factor. 1998 , 798, 184-94	5
163	Duration and magnitude of nerve growth factor signaling depend on the ratio of p75LNTR to TrkA. 1998 , 51, 442-53	23
162	Sympathetic and sensory innervation of the extracerebral vasculature: roles for p75NTR neuronal expression and nerve growth factor. 1998 , 52, 295-306	34
161	Level of p75 receptor expression in sensory ganglia is modulated by NGF level in the target tissue. 1998 , 35, 258-70	18
160	Characterization of the recombinant extracellular domain of the neurotrophin receptor TrkA and its interaction with nerve growth factor (NGF). 1998 , 7, 1006-16	22
159	Reciprocal modulation of TrkA and p75NTR affinity states is mediated by direct receptor interactions. 1998 , 10, 890-8	57
158	Direct visualization of surface charge in aqueous solution. 1998 , 74, 1-5	47
157	Emerging themes in structural biology of neurotrophic factors. 1998 , 21, 438-44	120
156	Microglia-derived nerve growth factor causes cell death in the developing retina. 1998, 20, 35-41	277
155	Chapter 1 Introduction, Basic Concepts and Strategies. 1998 , 17, 1-184	1
154	Molecular Mechanisms of Neuronal Survival and Apoptosis. 1998 , 257-306	11
153	Solution structure and internal motion of a bioactive peptide derived from nerve growth factor. Journal of Biological Chemistry, 1998 , 273, 23652-8	28

152	Nerve growth factor processing and trafficking events following TrkA-mediated endocytosis. 1998 , 139, 3232-40		57
151	A TrkA-selective, fast internalizing nerve growth factor-antibody complex induces trophic but not neuritogenic signals. <i>Journal of Biological Chemistry</i> , 1998 , 273, 34933-40	5.4	73
150	Nerve growth factor induces process formation in meningeal cells: implications for scar formation in the injured CNS. 1998 , 18, 5714-22		38
149	Ceramide signaling downstream of the p75 neurotrophin receptor mediates the effects of nerve growth factor on outgrowth of cultured hippocampal neurons. 1999 , 19, 8199-206		171
148	Absence of the p75 neurotrophin receptor alters the pattern of sympathosensory sprouting in the trigeminal ganglia of mice overexpressing nerve growth factor. 1999 , 19, 258-73		59
147	Functionally antagonistic interactions between the TrkA and p75 neurotrophin receptors regulate sympathetic neuron growth and target innervation. 1999 , 19, 5393-408		150
146	Cellular aspects of trophic actions in the nervous system. 1999 , 189, 177-265		34
145	Neurotrophin dependence mediated by p75NTR: contrast between rescue by BDNF and NGF. 1999 , 6, 1222-7		28
144	Neuroprotection with noninvasive neurotrophin delivery to the brain. 1999 , 96, 254-9		165
143	Crystal structure of nerve growth factor in complex with the ligand-binding domain of the TrkA receptor. 1999 , 401, 184-8		313
142	Neuroblastoma as a neurobiological disease. 1999 , 41, 159-66		33
141	Role of neurotrophins and neurotrophins receptors in the in vitro invasion and heparanase production of human prostate cancer cells. 1999 , 17, 307-14		43
140	Distinct structural elements in GDNF mediate binding to GFRalpha1 and activation of the GFRalpha1-c-Ret receptor complex. <i>EMBO Journal</i> , 1999 , 18, 5901-10	13	93
139	Non-invasive drug delivery to the human brain using endogenous blood-brain barrier transport systems. 1999 , 2, 49-59		54
138	Nerve growth factorshduced growth of sympathetic axons into the optic tract of mature mice is enhanced by an absence of p75NTR expression. 1999 , 39, 51-66		22
137	Distribution of the low-affinity neurotrophin receptor (p75) in the developing trigeminal brainstem complex in the rat. 1999 , 254, 549-65		4
136	Central neuronal loss and behavioral impairment in mice lacking neurotrophin receptor p75. 1999 , 404, 1-20		85
135	Novel peptide mimetic building blocks and strategies for efficient lead finding. 1999 , 1-68		18

134	Neurotrophic Factors. <i>Handbook of Experimental Pharmacology</i> , 1999 ,	2	2
133	Theoretical and Biochemical Studies on the Selectivity of Nerve Growth Factor for Transition Metal Cations. 1999 , 121, 9797-9806		17
132	Crystal structures of the neurotrophin-binding domain of TrkA, TrkB and TrkC. 1999 , 290, 149-59		139
131	Tracing with radiolabeled neurotrophins. 2001 , 169, 195-216		29
130	NGF ligand alters NGF signaling via p75(NTR) and trkA. 2000 , 61, 263-72		67
129	Palmitoylation of the p75 neurotrophin receptor has no effect on its interaction with TrkA or on TrkA-mediated down-regulation of cell adhesion molecules. 2000 , 62, 225-33		9
128	Nerve growth factor alpha subunit: effect of site-directed mutations on catalytic activity and 7S NGF complex formation. 2000 , 1477, 253-66		
127	Neurotrophins induce death of hippocampal neurons via the p75 receptor. 2000 , 20, 6340-6		241
126	Neurotrophin small-molecule mimetics. 2000 , 128, 333-47		29
125	Nerve growth factor (NGF) loop 4 dimeric mimetics activate ERK and AKT and promote NGF-like neurotrophic effects. <i>Journal of Biological Chemistry</i> , 2000 , 275, 29868-74	1	55
124	Mechanisms underlying hypoxia-induced neuronal apoptosis. 2000 , 62, 215-49		239
123	Design and solution structure of functional peptide mimetics of nerve growth factor. 2000 , 43, 3530-40		31
122	Neurotrophin and neurotrophin receptor expression in alveolar macrophages: an immunocytochemical study. 2000 , 18, 193-202		34
121	Antibody binding regions on human nerve growth factor identified by homolog- and alanine-scanning mutagenesis. 2000 , 19, 215-27		28
120	The precursor pro-nerve growth factor is the predominant form of nerve growth factor in brain and is increased in Alzheimer's disease. 2001 , 18, 210-20		407
119	Nerve growth factor: structure and function. 2001 , 58, 748-59		119
118	Nerve growth factor signaling, neuroprotection, and neural repair. 2001 , 24, 1217-81		1008
117	Regulation of neurotrophin signaling in aging sensory and motoneurons: dissipation of target support?. 2000 , 21, 109-35		32

116	Neurotrophic factor structures reveal clues to evolution, binding, specificity, and receptor activation. 2001 , 58, 1003-13		23
115	Zinc inhibits p75NTR-mediated apoptosis in chick neural retina. 2001 , 8, 451-6		28
114	Conjugation of brain-derived neurotrophic factor to a blood-brain barrier drug targeting system enables neuroprotection in regional brain ischemia following intravenous injection of the neurotrophin. 2001 , 889, 49-56		142
113	Molecular kinetics of nerve growth factor receptor trafficking and activation. <i>Journal of Biological Chemistry</i> , 2002 , 277, 38700-8	5.4	95
112	Molecular Modeling of the Interaction of Neurotrophins with the P75NTR Common Neurotrophin Receptor. 2002 , 99-113		
111	Increased p75(NTR) expression in hippocampal neurons containing hyperphosphorylated tau in Alzheimer patients. 2002 , 178, 104-11		66
110	Small molecule peptidomimetic ligands of neurotrophin receptors, identifying binding sites, activation sites and regulatory sites. 2002 , 8, 2201-16		31
109	Delayed NGF infusion fails to reverse axotomy-induced degeneration of basal forebrain cholinergic neurons in adult p75(LNTR)-deficient mice. 2002 , 110, 641-51		16
108	Neurotrophin Receptors and Retrograde Signaling: A Long-Distance Relationship. 2002 , 1, 128-140		3
107	The effects of chronic ethanol consumption on neurotrophins and their receptors in the rat hippocampus and basal forebrain. 2002 , 950, 137-47		54
106	Nerve growth factor-induced differentiation in neuroblastoma cells expressing TrkA but lacking p75NGFR. 1994 , 63, 1261-70		15
105	Differential involvement of metabotropic and p75 neurotrophin receptors in effects of nerve growth factor and neurotrophin-3 on cultured Purkinje cell survival. 1998 , 70, 1045-53		19
104	Molecular evolution of three avian neurotrophin genes: implications for proregion functional constraints. 2003 , 57, 335-42		32
103	No further loss of dorsal root ganglion cells after axotomy in p75 neurotrophin receptor knockout mice. 2003 , 459, 242-50		26
102	Structural and neurochemical features of postganglionic sympathetic neurons in the superior mesenteric ganglion of spontaneously hypertensive rats. 2003 , 466, 148-60		1
101	Novel functional interactions between Trk kinase and p75 neurotrophin receptor in neuroblastoma cells. 2003 , 71, 157-72		21
100	Molecular dynamics simulations of the NGF-TrkA domain 5 complex and comparison with biological data. 2003 , 84, 2282-92		21
99	Molecular basis of neurotrophin-receptor interactions. 2003 , 46, 5277-91		57

(1999-2004)

98	Differential activity of the nerve growth factor (NGF) antagonist PD90780 [7-(benzolylamino)-4,9-dihydro-4-methyl-9-oxo-pyrazolo[5,1-b]quinazoline-2-carboxylic acid] suggests altered NGF-p75NTR interactions in the presence of TrkA. 2004 , 310, 505-11	37
97	The p75 neurotrophin receptor can induce autophagy and death of cerebellar Purkinje neurons. 2004 , 24, 4498-509	88
96	Identification of the key amino acids of glial cell line-derived neurotrophic factor family receptor alpha1 involved in its biological function. <i>Journal of Biological Chemistry</i> , 2004 , 279, 109-16	15
95	The nerve growth factor precursor proNGF exhibits neurotrophic activity but is less active than mature nerve growth factor. 2004 , 89, 581-92	146
94	Small-molecule inhibitors of protein-protein interactions: progressing towards the dream. 2004 , 3, 301-17	1298
93	Effect of p75 neurotrophin receptor antagonist on disease progression in transgenic amyotrophic lateral sclerosis mice. 2004 , 78, 193-9	43
92	ProNGF: a neurotrophic or an apoptotic molecule?. 2004 , 146, 101-10	81
91	The secreted brain-derived neurotrophic factor precursor pro-BDNF binds to TrkB and p75NTR but not to TrkA or TrkC. 2005 , 80, 18-28	71
90	Neurotrophin Small Molecule Mimetics: Candidate Therapeutic Agents for Neurological Disorders. 2005 , 5, 29-41	9
89	Overcoming the inhibitors of myelin with a novel neurotrophin strategy. <i>Journal of Biological Chemistry</i> , 2005 , 280, 5862-9	23
88	Differential actions of nerve growth factor receptors TrkA and p75NTR in a rat model of epileptogenesis. 2005 , 29, 162-72	14
87	Penta-acetyl geniposide induce apoptosis in C6 glioma cells by modulating the activation of neutral sphingomyelinase-induced p75 nerve growth factor receptor and protein kinase Cdelta pathway. 2006 , 70, 997-1004	19
86	Structural and mechanistic insights into nerve growth factor interactions with the TrkA and p75 receptors. 2007 , 53, 25-38	239
85	Neurotrophins and Their Receptors. 2007,	
84	A cyclic peptide that binds p75(NTR) protects neurones from beta amyloid (1-40)-induced cell death. 2007 , 33, 533-43	27
83	p75NTR antagonistic cyclic peptide decreases the size of beta amyloid-induced brain inflammation. 2008 , 28, 1027-31	17
82	The interaction of neurotrophins with the p75NTR common neurotrophin receptor: a comprehensive molecular modeling study. 1999 , 8, 2223-33	25
81	The structures of the neurotrophin 4 homodimer and the brain-derived neurotrophic factor/neurotrophin 4 heterodimer reveal a common Trk-binding site. 1999 , 8, 2589-97	61

80	Dissecting NGF interactions with TrkA and p75 receptors by structural and functional studies of an anti-NGF neutralizing antibody. 2008 , 381, 881-96		34
79	Design of a conformationally defined and proteolytically stable circular mimetic of brain-derived neurotrophic factor. <i>Journal of Biological Chemistry</i> , 2008 , 283, 33375-83	5.4	39
78	A new nerve growth factor-mimetic peptide active on neuropathic pain in rats. 2008, 28, 2698-709		89
77	Small molecule modulation of p75 neurotrophin receptor functions. 2008 , 7, 63-70		32
76	Tandem repeat peptide strategy for the design of neurotrophic factor mimetics. 2008, 7, 110-9		10
75	Design, synthesis, tandem mass spectrometric sequencing and biological activity of NGF mimetics. 1996 , 48, 337-46		6
74	Intrinsic structural disorder of mouse proNGF. 2009 , 75, 990-1009		47
73	Biological activity of nerve growth factor precursor is dependent upon relative levels of its receptors. <i>Journal of Biological Chemistry</i> , 2009 , 284, 18424-33	5.4	97
72	Identification of critical residues within the conserved and specificity patches of nerve growth factor leading to survival or differentiation. <i>Journal of Biological Chemistry</i> , 2009 , 284, 33600-13	5.4	14
71	Assembly and activation of neurotrophic factor receptor complexes. 2010 , 70, 323-31		21
70	ATP-NGF-complex, but not NGF, is the neuroprotective ligand. 2011, 59, 989-95		3
69	Selectivity of Cell Signaling in the Neuronal Response Based on NGF Mutations and Peptidomimetics in the Treatment of Alzheimers Disease. 2011 ,		
68	Ligand-dependent TrkA activity in brain differentially affects spatial learning and long-term memory. 2011 , 80, 498-508		35
67	Melanocytes: a window into the nervous system. 2012 , 132, 835-45		39
66	p75 neurotrophin receptor signaling in nervous system injury and degeneration: paradox and opportunity. 2012 , 35, 431-40		177
65	Neuronal receptors as targets for the action of amyloid-beta protein (Allin the brain. 2012 , 14, e2		40
64	Comparison of nerve growth factor receptor binding models using heterodimeric muteins. 2012 , 90, 2259-71		4
63	Ectopic expression of TrKA in the adult rat basal ganglia induces both nerve growth factor-dependent and -independent neuronal responses. 2012 , 90, 1507-21		3

62	Small-molecule modulation of neurotrophin receptors: a strategy for the treatment of neurological disease. 2013 , 12, 507-25	181
61	Brain-derived neurotrophic factor and glucocorticoids: reciprocal influence on the central nervous system. 2013 , 239, 157-72	132
60	Development of Adenoviral Delivery Systems to Target Hepatic Stellate Cells In Vivo. 2013 , 8, e67091	27
59	The biological functions and signaling mechanisms of the p75 neurotrophin receptor. <i>Handbook of Experimental Pharmacology</i> , 2014 , 220, 121-64	77
58	TDP6, a brain-derived neurotrophic factor-based trkB peptide mimetic, promotes oligodendrocyte myelination. 2014 , 63, 132-40	19
57	A small linear peptide encompassing the NGF N-terminus partly mimics the biological activities of the entire neurotrophin in PC12 cells. 2015 , 6, 1379-92	15
56	The TrkA receptor mediates experimental thermal hyperalgesia produced by nerve growth factor: Modulation by the p75 neurotrophin receptor. 2017 , 340, 384-397	18
55	Swedish Nerve Growth Factor Mutation (NGF) Defines a Role for TrkA and p75 in Nociception. 2018 , 38, 3394-3413	25
54	Generation of rationally-designed nerve growth factor (NGF) variants with receptor specificity. 2018 , 495, 700-705	7
53	Identification of amino acid residues of nerve growth factor important for neurite outgrowth in human dorsal root ganglion neurons. 2019 , 50, 3487-3501	5
52	A C-terminal cysteine residue is required for peptide-based inhibition of the NGF/TrkA interaction at nM concentrations: implications for peptide-based analgesics. 2019 , 9, 930	3
51	Insights into Current Tropomyosin Receptor Kinase (TRK) Inhibitors: Development and Clinical Application. 2019 , 62, 1731-1760	38
50	Unveiling functional motions based on point mutations in biased signaling systems: A normal mode study on nerve growth factor bound to TrkA. 2020 , 15, e0231542	3
49	hNGF Peptides Elicit the NGF-TrkA Signalling Pathway in Cholinergic Neurons and Retain Full Neurotrophic Activity in the DRG Assay. 2020 , 10,	4
48	Peptides Derived from Growth Factors to Treat Alzheimer's Disease. 2021 , 22,	1
47	Blood-brain barrier drug targeting enables neuroprotection in brain ischemia following delayed intravenous administration of neurotrophins. 2002 , 513, 397-430	49
46	Nerve Growth Factor Systems in Alzheimer Disease. Cerebral Cortex, 1999, 681-731	24
45	Nerve Growth Factor and Its Receptors in the Primate Forebrain. 1998 , 23-59	2

44	Biological Roles of Neurotrophins. Handbook of Experimental Pharmacology, 1999, 1-31	3.2	5
43	The Interaction Between the Two Receptors for NGF, p75LNTR and TrkA. 1995 , 71-85		1
42	The Regulation and Function of NGF Receptors in Normal and Immortalized Sympathoadrenal Progenitor Cells. 1995 , 155-179		1
41	Role of variable beta-hairpin loop in determining biological specificities in neurotrophin family <i>Journal of Biological Chemistry</i> , 1994 , 269, 19941-19946	5.4	29
40	Identification of the phosphorylation site for cAMP-dependent protein kinase on Na+,K(+)-ATPase and effects of site-directed mutagenesis <i>Journal of Biological Chemistry</i> , 1994 , 269, 9368-9373	5.4	113
39	High affinity nerve growth factor binding displays a faster rate of association than p140trk binding. Implications for multi-subunit polypeptide receptors <i>Journal of Biological Chemistry</i> , 1994 , 269, 6884-	68 ⁵⁹⁴ 1	223
38	Transcriptional regulation of the human neuropeptide Y gene by nerve growth factor <i>Journal of Biological Chemistry</i> , 1994 , 269, 15460-15468	5.4	35
37	Multiple trkA proteins in PC12 cells bind NGF with a slow association rate <i>Journal of Biological Chemistry</i> , 1992 , 267, 24516-24522	5.4	24
36	Nerve growth factor binds to normal human keratinocytes through high and low affinity receptors and stimulates their growth by a novel autocrine loop <i>Journal of Biological Chemistry</i> , 1993 , 268, 2283	8 ⁻⁵ 2 2 84	16 ¹³³
35	The low affinity neurotrophin receptor, p75LNTR, is palmitoylated by thioester formation through cysteine 279 <i>Journal of Biological Chemistry</i> , 1994 , 269, 30645-30650	5.4	38
34	Mutagenesis identifies amino-terminal residues of nerve growth factor necessary for Trk receptor binding and biological activity <i>Journal of Biological Chemistry</i> , 1994 , 269, 27679-27686	5.4	41
33	The amino terminus of nerve growth factor is involved in the interaction with the receptor tyrosine kinase p140trkA. <i>Journal of Biological Chemistry</i> , 1992 , 267, 22707-22710	5.4	49
32	Mediator release from mast cells by nerve growth factor. Neurotrophin specificity and receptor mediation. <i>Journal of Biological Chemistry</i> , 1993 , 268, 14881-14887	5.4	170
31	Association of protein kinases ERK1 and ERK2 with p75 nerve growth factor receptors <i>Journal of Biological Chemistry</i> , 1993 , 268, 21410-21415	5.4	50
30	The carboxyl terminus of nerve growth factor is required for biological activity <i>Journal of Biological Chemistry</i> , 1993 , 268, 23202-23207	5.4	34
29	Activation of p21ras by nerve growth factor in embryonic sensory neurons and PC12 cells <i>Journal of Biological Chemistry</i> , 1993 , 268, 25329-25333	5.4	30
28	Molecular cloning of trkE, a novel trk-related putative tyrosine kinase receptor isolated from normal human keratinocytes and widely expressed by normal human tissues <i>Journal of Biological Chemistry</i> , 1993 , 268, 24290-24295	5.4	62
27	Small peptide mimics of nerve growth factor bind TrkA receptors and affect biological responses. Journal of Biological Chemistry, 1995 , 270, 6564-9	5.4	86

26	Regulation of expression of mRNAs encoding the nerve growth factor receptors p75 and trkA in developing sensory neurons. <i>Development (Cambridge)</i> , 1993 , 119, 635-648	6.6	83
25	On the Origin of Oncogenes. 61-80		
24	Neurotrophic factors and apoptosis in the nervous system. 1993 , 33-43		1
23	Neurotrophins and neurodegenerative diseases. 1993 , 149-160		
22	Expression of trkA cDNA in neuroblastomas mediates differentiation in vitro and in vivo. <i>Molecular and Cellular Biology</i> , 1993 , 13, 7447-7456	4.8	27
21	Membrane Receptors. 1994 , 148-221		
20	Expression, Regulation and Receptor Distribution of Neurotrophins in the Mammalian Central Nervous System. 1994 , 123-150		
19	Neurotrophins and TRK Receptors in Hippocampal Development. 1995 , 145-170		
18	Functional Analysis of Receptor Binding Determinants in the Neurotrophin Family. 1995 , 19-36		
17	H⊠an Persson Publication List. 1995, 453-466		
16	Neuronal Development in the Rat Sympathoadrenal Lineage. 1995 , 127-138		
15	Insights into Neurotrophic Factor Function from Structural Analyses. 1995 , 3-17		
14	Neurotrophin-3 and neurotrophin-4/5. 1996 , 219-249		1
13	Neurooncology and Cancer Therapy. Frontiers in Neuroscience, 1998,		
12	Introduction. Frontiers in Neuroscience, 1998,		
11	Molecular Anatomy of Neurotrophic Factors. <i>Handbook of Experimental Pharmacology</i> , 1999 , 33-51	3.2	
10	Trophic Factors in Experimental Models of Adult Central Nervous System Injury. <i>Cerebral Cortex</i> , 1999 , 129-173		
9	Swedish Nerve Growth Factor Mutation (NGFR100W) Defines a Role for TrkA and p75NTR in Nociception.		

8	The binding epitopes of neurotrophin-3 to its receptors trkC and gp75 and the design of a multifunctional human neurotrophin. <i>EMBO Journal</i> , 1994 , 13, 5896-909	13	23	
7	Functional analysis of mutant neurotrophins deficient in low-affinity binding reveals a role for p75LNGFR in NT-4 signalling. <i>EMBO Journal</i> , 1995 , 14, 1979-90	13	31	
6	Crystal structure of dimeric human ciliary neurotrophic factor determined by MAD phasing. <i>EMBO Journal</i> , 1995 , 14, 2689-99	13	31	
5	Tyrosine 785 is a major determinant of Trksubstrate interaction. <i>EMBO Journal</i> , 1993 , 12, 933-41	13	35	
4	An extended surface of binding to Trk tyrosine kinase receptors in NGF and BDNF allows the engineering of a multifunctional pan-neurotrophin. <i>EMBO Journal</i> , 1993 , 12, 2281-93	13	34	
3	p75(NGFR) and TrkA receptors collaborate to rapidly activate a p75(NGFR)-associated protein kinase. <i>EMBO Journal</i> , 1996 , 15, 3369-76	13	14	
2	Identification of the neurotrophin receptors p75 and trk in a series of Wilms' tumors. <i>American Journal of Pathology</i> , 1994 , 145, 792-801	5.8	25	
1	Six immune-related promising biomarkers may promote hepatocellular carcinoma prognosis: a bioinformatics analysis and experimental validation. 2023 , 23,		О	