

# Neuroblastoma

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Neuroblastoma is the most common extracranial solid cancer in infancy and childhood, with an annual incidence of about 650 new cases per year in the US. Close to 50 percent of neuroblastoma cases occur in children younger than two years old. It is a neuroendocrine tumor, arising from any neural crest element of the sympathetic nervous system or SNS. A branch of the autonomic nervous system, the SNS is a nerve network that carries messages from the brain throughout the body and is responsible for the fight-or-flight response and production of adrenaline or epinephrine. Its solid tumors, which take the form of a lump or mass, commonly begin in one of the adrenal glands, though they can also develop in nerve tissues in the neck, chest, abdomen, or pelvis. The cause of neuroblastoma is unknown, though most physicians believe that it is an accidental cell growth that occurs during normal development of the adrenal glands. Neuroblastoma is one of the rare human malignancies known to demonstrate spontaneous regression from an undifferentiated state to a completely benign cellular appearance. ([From the Wikipedia article Neuroblastoma](#).)

## Recent Publications on Neuroblastoma:



- [Resistance of stem-like cells from neuroblastoma cell lines to commonly used chemotherapeutic agents.](#)  
*BACKGROUND: Cancer stem cell theory suggests that the presence of tumor...* 21st November, 2009  
The Carman and Ann Adams Department of Pediatrics, Children's Research- Pediatr Blood Cancer. 2009 Nov 19. ([DOI Direct Link](#))
- [Simultaneous analysis of neuroendocrine tumor markers by HPLC-electrochemical detection.](#)  
*A validated, high pressure liquid chromatographic (HPLC) method for...* 21st November, 2009  
Department of Chemical Pathology (Chromatography Section), National Health- J Chromatogr B Analyt Technol Biomed Life Sci. 2009 Oct 1. ([DOI Direct Link](#))
- [Synthesis, anti-inflammatory and anticancer activity evaluation of some novel acridine derivatives.](#)  
*Condensation of 9-chloro-2,4-(un)substituted acridines (1a-c) with various...* 21st November, 2009  
Department of Chemistry, Indian Institute of Technology-Roorkee, Roorkee- Eur J Med Chem. 2009 Nov 3. ([DOI Direct Link](#))
- [A transcriptome analysis identifies molecular effectors of unconjugated bilirubin in human neuroblastoma SH-SY5Y cells.](#)  
*ABSTRACT: BACKGROUND: The deposition of unconjugated bilirubin (UCB) in...* 21st November, 2009  
- BMC Genomics. 2009 Nov 19;10(1):543. ([DOI Direct Link](#))
- [The Death Effector Domains of Caspase-8 Induce Terminal Differentiation.](#)  
*The differentiation and senescence programs of metazoans play key roles in...* 20th November, 2009  
Department of Pathology, School of Medicine, University of California San- PLoS One. 2009 Nov

- 18;4(11):e7879. ([DOI Direct Link](#))
- [Widespread Dysregulation of MiRNAs by MYCN Amplification and Chromosomal Imbalances in Neuroblastoma: Association of miRNA Expression with Survival.](#)  
*MiRNAs regulate gene expression at a post-transcriptional level and their...*20th November, 2009  
 Department of Cancer Genetics, Royal College of Surgeons in Ireland,- PLoS One. 2009 Nov 16;4(11):e7850. ([DOI Direct Link](#))
  - [\[Utility of the scintigraphy with \(123\)I MIBG in the diagnosis of neuroblastoma bone metastasis.\]](#)  
*MiRNAs regulate gene expression at a post-transcriptional level and their...*20th November, 2009  
 UGC Medicina Nuclear, Hospital Universitario Reina Sofia, Cordoba, Espana.- Rev Esp Med Nucl. 2009 July - August;28(4):208-209. Epub 2009 Jul 4. ([DOI Direct Link](#))
  - [Cutaneous neuroblastoma-like schwannoma: a report of two cases, one with a plexiform pattern, and a review of the literature.](#)  
*Cutaneous schwannomas in their classical form are readily identified...*20th November, 2009  
 Department of Dermatopathology, St John's Institute of Dermatology, St- J Cutan Pathol. 2009 Nov 17. ([DOI Direct Link](#))
  - [Global Genomic and Proteomic Analysis Identifies Biological Pathways Related to High-Risk Neuroblastoma.](#)  
*Neuroblastoma (NB) is a heterogeneous pediatric tumor. To better...*20th November, 2009  
 Oncogenomics Section, Pediatric Oncology Branch, Advanced Technology- J Proteome Res. 2009 Nov 18. ([DOI Direct Link](#))
  - [Induction of cytotoxicity, apoptosis and cell cycle arrest by 1-t-butyl carbamoyl, 7-methyl-indole-3-ethyl isothiocyanate \(NB7M\) in nervous system cancer cells.](#)  
*Our group has recently developed 1-(t)butyl carbamoyl,...*19th November, 2009  
 Molecular Therapeutics Laboratory, Program in Women's Oncology, Department- Drug Des Devel Ther. 2009 Feb 6;2:61-69.
  - [Amyloid-beta Peptides Stimulate the Expression of the p75:<sup>NTR</sup> Neurotrophin Receptor in SHSY5Y Human Neuroblastoma Cells and AD Transgenic Mice.](#)  
*The progression toward end-stage Alzheimer's disease (AD) in the aging...*19th November, 2009  
 Molecular Signalling Group, National Research Council Canada, Institute- J Alzheimers Dis. 2009 Nov 17. ([DOI Direct Link](#))
  - [Hypoxia Protects Neuronal Cells from Human Prion Protein fragment-induced Apoptosis.](#)  
*Prion diseases are neurodegenerative disorders characterized by the...*19th November, 2009  
 Center for Healthcare Technology Development, Korea Zoonoses Research- J Neurochem. 2009 Nov 16. ([DOI Direct Link](#))
  - [Anaplastic large cell lymphoma: another entity in the differential diagnosis of small round blue cell tumors.](#)  
*We saw in consultation a biopsy specimen from a 6-year old girl with...*18th November, 2009  
 Department of Hematopathology, The University of Texas M. D. Anderson- Ann Diagn Pathol. 2009 Dec;13(6):413-27. ([DOI Direct Link](#))
  - [Phenotyping of an in vitro Model of Ischemic Penumbra by iTRAQ-based Shotgun Quantitative Proteomics.](#)  
*Cerebral ischemia is a major cause of death and long-term disability...*18th November, 2009  
 - J Proteome Res. 2009 Nov 16. ([DOI Direct Link](#))
  - [Ape1/Ref-1 Stimulates GDNF/GFRalpha1-mediated Downstream Signaling and Neuroblastoma Proliferation.](#)  
*We previously reported that glial cell line-derived neurotrophic factor...*17th November, 2009  
 Department of Pharmacology, DNA Repair Center, Chosun University School of- Korean J Physiol Pharmacol. 2009 Oct;13(5):349-56. Epub 2009 Oct 31. ([DOI Direct Link](#))

- [Cancer screening: What could it hurt? A lot, actually](#)  
*Los Angeles Times: Nov 21 2009 6:02AM Matching: neuroblastoma*
- [Benefit raises money for child with cancer](#)  
*Southwest Florida Herald Tribune: Nov 20 2009 1:22PM Matching: neuroblastoma*
- [Couple visits D.C. to lobby for cancer research](#)  
*News-Messenger: Nov 20 2009 2:15AM Matching: neuroblastoma*
- [Cancer boy to meet football heroes this Saturday A five-year-old Northamptonshire boy who is battling cancer w](#)  
*Northampton Evening Telegraph: Nov 19 2009 8:08PM Matching: neuroblastoma*
- ['Shagging for Bayer' event to benefit young cancer patient](#)  
*The Item: Nov 19 2009 2:55PM Matching: neuroblastoma*
- [The neuroblastoma tumour-suppressor TrkA1 and its oncogenic alternative TrkA11 splice variant exhibit geldanamycin-sensitive interactions with Hsp90 in human neuroblastoma cells](#)  
*Oncogene Journal: Nov 19 2009 2:18PM Matching: neuroblastoma*
- [Cancer boy to meet football heroes](#)  
*Lisburn Star: Nov 19 2009 12:08PM Matching: neuroblastoma*
- [Cancer boy to meet football heroes](#)  
*Sheffield Star: Nov 19 2009 6:21AM Matching: neuroblastoma*
- [Cancer boy to meet football heroes](#)  
*Matlock Mercury: Nov 19 2009 3:05AM Matching: neuroblastoma*
- [Cancer boy to meet football heroes](#)  
*Rye and Battle Observer: Nov 19 2009 3:03AM Matching: neuroblastoma*
- [Cancer boy to meet football heroes](#)  
*Morley Observer & Advertiser: Nov 19 2009 2:25AM Matching: neuroblastoma*
- [Cancer boy to meet football heroes](#)  
*Leitrim Observer: Nov 19 2009 12:35AM Matching: neuroblastoma*
- [Cancer boy to meet football heroes](#)  
*Ripon Today: Nov 19 2009 12:29AM Matching: neuroblastoma*
- [Cancer boy to meet football heroes](#)  
*Midhurst and Petworth Observer: Nov 19 2009 12:23AM Matching: neuroblastoma*
- [Cancer boy to meet football heroes](#)  
*Morpeth Herald: Nov 19 2009 12:22AM Matching: neuroblastoma*

## Neuroblastoma Patents:

- 7608411- [Prostaglandin receptor EP1](#)
- 7611893- [Metal-binding therapeutic peptides](#)
- 7611910- [Method for diagnosis of alzheimer's disease](#)
- 7612032- [Method for treating oncological diseases](#)
- 7612033- [Methods for delivering compounds into a cell](#)
- 7612044- [Melanoma antigens and their use in diagnostic and therapeutic methods](#)
- 7612092- [Nitrogen-containing aromatic derivatives](#)
- 7612093- [Compositions of treating hepatitis virus infections with N-substituted-1,5-dideoxy-1,5-imino-D-glucitol compounds in combination therapy](#)



- 7612107- [Treatment and inhibition of disease conditions using flexible heteroarotinoids](#)
- 7612178- [Anti-IGF-1R antibodies and uses thereof](#)
- 7612208- [Crystalline form of the salt of 4-\(3-chloro-4-\(cyclopropylaminocarbonyl\)aminophenoxy\)-7-methoxy-6-quinolinecarboxamide or the solvate of the salt and a process for preparing the same](#)
- 7611879- [27877, 18080, 14081, 32140, 50352, 16658, 14223, 16002, 50566, 65552 and 65577 molecules and uses therefor](#)
- 7611857- [IL-receptor like molecules and uses thereof](#)
- 7611711- [VEGFR-3 inhibitor materials and methods](#)
- 7608452- [Polynucleotides encoding cytokine receptor zcytor19](#)
- 7608618- [Urea or thiourea substituted 1,4-pyrazine compounds useful as anti-cancer agents and for inhibiting Chk1](#)
- 7608635- [Pyrazole compounds that modulate HSP90 activity](#)
- 7608643- [Compounds for inhibiting KSP kinesin activity](#)
- 7608704- [Secreted proteins](#)
- 7608723- [Indole and benzimidazole derivatives](#)
- 7608739- [Mitotic kinesin inhibitors](#)
- 7608749- [Monitoring APP cleavage in transgenic rodents comprising an APP Swedish mutation](#)
- 7611700- [Protease resistant modified interferon alpha polypeptides](#)
- 7611704- [Compositions and methods for treating viral infections using antibodies and immunoconjugates to aminophospholipids](#)
- 7612213- [Compound having antitumor activity and process for producing the same](#)
- 7615209- [Compositions of NDV and methods of use thereof for treatment of cancer](#)
- 7618943- [Fusion polypeptides, and use thereof in antivasular tumor therapy](#)
- 7618947- [Modulation of HIF-1 beta expression](#)
- 7618965- [\(Arylamidoanilino\)nitroethylene compounds](#)
- 7618971- [Mitotic kinesin inhibitors](#)
- 7618975- [4-arylamino-quinazolines and analogs as activators of caspases and inducers of apoptosis and the use thereof](#)
- 7618981- [Imidazopyridinyl-benzamide anti-cancer agents](#)
- 7618982- [Heteroarylpyrrolopyridinones active as kinase inhibitors](#)
- 7618984- [Sulfonamide compound](#)
- 7619006- [Conjugated psychotropic drugs and uses thereof](#)
- 7619057- [MHC class II restricted T cell epitopes from the cancer antigen, NY ESO-1](#)
- 7618816- [Metal-binding therapeutic peptides](#)
- 7618791- [Methods of detecting cancer with antibodies to cytokine receptor ZCYTOR19](#)
- 7618787- [Method of screening compound capable of accelerating or inhibiting apoptosis, apoptosis accelerator and apoptosis inhibitor](#)
- 7615223- [Selected immunoconjugates for binding to aminophospholipids](#)
- 7615372- [Antibodies with immune effector activity and that internalize in endosialin-positive cells](#)
- 7615380- [Methods for modulating an immune response by modulating KRC activity](#)
- 7615611- [Human cytokine receptor](#)
- 7615618- [Oligonucleotides comprising a non-phosphate backbone linkage](#)
- 7615628- [Imidazopyridine derivatives](#)
- 7618621- [Mammalian multipotent neural stem cells and compositions, methods of preparation and methods of administration thereof](#)
- 7618622- [Treatment of Parkinson's disease and related disorders using postpartum derived cells](#)
- 7618632- [Method of treating or ameliorating an immune cell associated pathology using GITR ligand antibodies](#)
- 7618785- [Diagnostic and therapeutic methods based on the L1 adhesion molecule for ovarian and endometrial tumors](#)
- 7619065- [Cystine-knot fold protein](#)

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