

Wallerian Degeneration

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Recent Publications on Wallerian Degeneration:

- [Characterization of NADPH-diaphorase-positive glial cells of the tench optic nerve after axotomy.](#)
NADPH-diaphorase (ND) positive cell types were characterized throughout... 4th October, 2008
Laboratorio de Neurobiologia del Desarrollo, Unidad de Neurologia- Arch Ital Biol. 2008 Mar;146(1):35-52.
- [Interactions between Schwann cells and macrophages in injury and inherited demyelinating disease.](#)
In this article we first discuss the factors that regulate macrophage... 23rd September, 2008
Department of Neurology, Developmental Neurobiology, University of- Glia. 2008 Nov 1;56(14):1566-77. ([DOI Direct Link](#))
- [Nuclear proteasomal degradation and cytoplasmic retention underlie early nuclear exclusion of transcription factor Max upon axon damage.](#)
The behavior of the transcription factor Max in axon-damaged retinal... 16th September, 2008
Instituto de Biofisica da UFRJ, CCS, bloco G, Cidade Universitaria,- Exp Neurol. 2008 Sep;213(1):202-9. Epub 2008 Jun 14. ([DOI Direct Link](#))
- [Midline brain injury in the immature rat induces sustained cognitive deficits, bihemispheric axonal injury and neurodegeneration.](#)
Infants and children less than 4 years old suffer chronic cognitive... 16th September, 2008
Department of Anesthesiology and Critical Care, Children's Hospital of- Exp Neurol. 2008 Sep;213(1):84-92. Epub 2008 May 23. ([DOI Direct Link](#))
- [The WldS gene delays axonal but not somatic degeneration in a rat glaucoma model.](#)
Glaucoma is a leading cause of blindness caused by progressive... 12th September, 2008
The Babraham Institute, Cambridge, UK.- Eur J Neurosci. 2008 Sep;28(6):1166-79. Epub 2008 Sep 9. ([DOI Direct Link](#))
- [Cerebellar ataxia in sheep grazing pastures infested with Romulea rosea \(onion grass or Guildford grass\).](#)
There have been anecdotal reports since 1962 of 'staggers' in sheep... 11th September, 2008
NSW Department of Primary Industries, Orange Agricultural Institute,- Aust Vet J. 2008 Sep;86(9):354-6. ([DOI Direct Link](#))
- [The Wallerian degeneration slow \(Wld\(s\)\) gene does not attenuate disease in a mouse model of spinal muscular atrophy.](#)
Spinal muscular atrophy (SMA) is a severe neuromuscular disease... 10th September, 2008
Department of Veterinary Pathobiology, Life Sciences Center, University of- Biochem Biophys Res Commun. 2008 Oct 10;375(1):119-23. Epub 2008 Aug 3. ([DOI Direct Link](#))
- [Assessing optic nerve pathology with diffusion MRI: from mouse to human.](#)

*The optic nerve is often affected in patients with glaucoma and multiple...*30th August, 2008
Department of Neurology, Washington University in St Louis, St Louis, MO,- NMR Biomed. 2008 Aug 29. ([DOI Direct Link](#))

- [Phospholipase A\(2\), reactive oxygen species, and lipid peroxidation in CNS pathologies.](#)
*The importance of lipids in cell signaling and tissue physiology is...*30th August, 2008
Department of Neurological Surgery, Cardiovascular Research Center,- BMB Rep. 2008 Aug 31;41(8):560-7.
- [Intracellular phospholipase A2 group IVA and group VIA play important roles in Wallerian degeneration and axon regeneration after peripheral nerve injury.](#)
*We provide evidence that two members of the intracellular phospholipase...*23rd August, 2008
Centre for Research in Neuroscience, Research Institute of the McGill- Brain. 2008 Aug 21. ([DOI Direct Link](#))
- [Re: Retinal nerve fiber layer is associated with brain atrophy in multiple sclerosis.](#)
*Infants and children less than 4 years old suffer chronic cognitive...*1st August, 2008
- Neurology. 2008 Jul 1;71(1):69; author reply 69. ([DOI Direct Link](#))
- [Imaging of inflammation in the peripheral and central nervous system by magnetic resonance imaging.](#)
*Inflammation plays a central role in the pathophysiology of numerous...*25th July, 2008
Department of Neurology, University of Wurzburg, Josef-Schneider-Str. 11,- Neuroscience. 2008 Jun 26. ([DOI Direct Link](#))
- [Control of glial precursor cell development in the mouse optic nerve by sonic hedgehog from retinal ganglion cells.](#)
*The development of glial precursor cells in the mammalian optic nerve...*16th July, 2008
Molecular Medicine Program, Ottawa Health Research Institute, 501 Smyth- Brain Res. 2008 Sep 4;1228:27-42. Epub 2008 Jun 24. ([DOI Direct Link](#))
- [Neuronal maturation-associated resistance of neurite degeneration caused by trophic factor deprivation or microtubule-disrupting agents.](#)
*Neurite (axon and dendrite) degeneration requires self-destructive...*16th July, 2008
Molecular Neurobiology Laboratory, Division of Life Science, Hokkaido- Brain Res. 2008 Sep 16;1230:37-49. Epub 2008 Jun 28. ([DOI Direct Link](#))
- [Galectin-3/MAC-2, Ras and PI3K activate complement receptor-3 and scavenger receptor-AI/II mediated myelin phagocytosis in microglia.](#)
*The removal of degenerated myelin is essential for repair in Wallerian...*11th July, 2008
Department of Anatomy and Cell Biology, Hebrew University Faculty of- Glia. 2008 Jul 9. ([DOI Direct Link](#))

Wallerian Degeneration Patents:



- 6419934- [TNF modulators for treating neurological disorders associated with viral infection](#)
- 6692444- [Methods for the assessment of neuromuscular function by F-wave latency](#)
- 6706764- [Use of creatine or creatine analogs for the treatment of diseases of the nervous system](#)
- 6825333- [EGFH2 genes and gene products](#)
- 6844314- [Use of copolymer 1 and related peptides and polypeptides and T cells treated therewith for neuroprotective therapy](#)
- 6845342- [Determination of an empirical statistical distribution of the diffusion tensor in MRI](#)

- 6870029- [Method of diagnosing and treating gliomas](#)
- 6896870- [Diagnostic probes and therapeutics targeting uPA and uPAR](#)
- 6903188- [Neurogenic compositions and methods](#)
- 6937904- [System and method for providing recovery from muscle denervation](#)
- 6953842- [Antibodies to heregulin 2](#)
- 6673832- [Methods for identifying compounds for treating pain](#)
- 6667156- [Diagnosis and treatment of neuroectodermal tumors](#)
- 6649589- [Use of certain drugs for treating nerve root injury](#)
- 6419944- [Cytokine antagonists for the treatment of localized disorders](#)
- 6429187- [Method of diagnosing and treating gliomas](#)
- 6436129- [Method and apparatus for stimulating nerve regeneration](#)
- 6463315- [Analysis of cerebral white matter for prognosis and diagnosis of neurological disorders](#)
- 6501003- [Transgenic mouse expressing green fluorescent protein in glial cells](#)
- 6506727- [Nerve regeneration](#)
- 6537549- [Cytokine antagonists for the treatment of localized disorders](#)
- 6569423- [Methods of inducing nervous tissue regeneration](#)
- 6602851- [SMDF and GGF neuregulin splice variant isoforms and uses thereof](#)
- 6635250- [Use of certain metalloproteinase inhibitors for treating nerve disorders mediated by nucleus pulposus](#)
- 6972168- [Materials and methods for nerve grafting, selection of nerve grafts, and in vitro nerve tissue culture](#)
- 6989271- [Schwann cells originating in myeloid interstitial cells](#)
- 7297099- [Use of osteopontin for the treatment and/or prevention of neurologic diseases](#)
- 7300915- [Use of erythropoietin and erythropoietin mimetics for the treatment of neuropathic pain](#)
- 7319107- [1,2,4-thiadiazolium derivatives as melanocortin receptor modulators](#)
- 7333857- [Treatment of pain](#)
- 7335636- [SPRR1A and axonal regeneration](#)
- 7344555- [Light promotes regeneration and functional recovery after spinal cord injury](#)
- 7372267- [Method and apparatus for generation of magnetization transfer contrast in steady state free precession magnetic resonance imaging](#)
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- 7276587- [Antibodies to EGFH2 polypeptides](#)
- 7250046- [Treatment of lower extremity pain](#)
- 7012063- [Reducing axon degeneration with proteasome inhibitors](#)
- 7049331- [1,2,4-thiadiazole derivatives as melanocortin receptor modulators](#)
- 7098187- [Human kininogen D3 domain polypeptide as an anti-angiogenic and anti-tumor agent](#)
- 7119069- [Human kininogen D3 domain polypeptide as an anti-angiogenic and anti-tumor agent](#)
- 7189746- [Methods for promoting wound healing](#)
- 7198899- [Use of NRG4, or inhibitors thereof, in the treatment of colon and pancreatic cancers](#)
- 7201896- [IL6RIL6 chimera for the treatment of neurodegenerative diseases](#)
- 7217687- [Use of osteopontin for the treatment and/or prevention of neurologic diseases](#)
- 7226908- [Use of VEGF and homologues to treat neuron disorders](#)
- 7238659- [Reducing axon degeneration with proteasome inhibitors](#)
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