Substantia Gelatinosa

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Recent Publications on Substantia Gelatinosa:

- Synaptic plasticity in the substantia gelatinosa in a model of chronic neuropathic pain.
  *Chronic neuropathic pain (CNP) is common after peripheral nerve injuries...*21st November, 2009
  Pain Management and Research Center, Department of Anesthesiology,- Neurosci Lett. 2009 Nov 16. (DOI Direct Link)
- Mrgprd-expressing polymodal nociceptive neurons innervate most known classes of substantia gelatinosa neurons.
  *The Mas-related G-protein-coupled receptor D (Mrgprd) marks a distinct...*7th November, 2009
  Department of Cell and Molecular Physiology, University of North Carolina- J Neurosci. 2009 Oct 21;29(42):13202-9. (DOI Direct Link)
- Effects of Sciatic Nerve Axotomy on Excitatory Synaptic Transmission in Rat Substantia Gelatinosa.
  *Injury or section of a peripheral nerve can promote chronic neuropathic...*2nd October, 2009
  University of Alberta.- J Neurophysiol. 2009 Sep 30. (DOI Direct Link)
- Inhibitory effects of somatostatin on the substantia gelatinosa neurons of trigeminal subnucleus caudalis via somatostatin type 2 receptors in juvenile mice.
  *The substantia gelatinosa (SG) of the trigeminal subnucleus caudalis (Vc)...*29th September, 2009
  Department of Oral Physiology and Institute of Oral Bioscience, School of- Brain Res. 2009 Dec 22;1304:49-56. Epub 2009 Sep 24. (DOI Direct Link)
- Effect of resiniferatoxin on glutamatergic spontaneous excitatory synaptic transmission in substantia gelatinosa neurons of the adult rat spinal cord.
  *The transient receptor potential (TRP) vanilloid type 1 (TRPV1) agonist,...*26th September, 2009
  Department of Physiology, Saga Medical School, 5-1-1 Nabeshima, Saga- Neuroscience. 2009 Dec 29;164(4):1833-44. Epub 2009 Sep 22. (DOI Direct Link)
- Cyclic AMP-mediated long-term facilitation of glycinergic transmission in developing spinal dorsal horn neurons.
  *cAMP is known to regulate neurotransmitter release via protein kinase A...*22nd September, 2009
  Department of Pharmacology, School of Dentistry, Kyungpook National- J Neurochem. 2009 Sep;110(5):1695-706. Epub 2009 Jul 8. (DOI Direct Link)
- Distribution of the cellular prion protein in the central nervous system of the chicken.
  *The cellular prion protein (PrP), a cell membrane-bound glycoprotein...*16th September, 2009
  Laboratory of Veterinary Anatomy, Faculty of Applied Biological Sciences,- J Chem Neuroanat. 2009 Dec;38(4):292-301. Epub 2009 Sep 12. (DOI Direct Link)
- Synaptically evoked glutamate transporter currents in Spinal Dorsal Horn Astrocytes.
  *BACKGROUND: Removing and sequestering synaptically released glutamate from...*16th September,

2009
Department of Anesthesiology and Pain Medicine, University of Texas MD- Mol Pain. 2009 Jul 1;5:36. (DOI Direct Link)

- Proteinase-activated receptor-1 activation presynaptically enhances spontaneous glutamatergic excitatory transmission in adult rat substantia gelatinosa neurons.
  *Proteinase-activated receptors (PARs) have a unique activation mechanism...*11th September, 2009
  Department of Physiology, Saga Medical School, Saga 849-8501, Japan.- J Neurophysiol. 2009 Jul;102(1):312-9. Epub 2009 May 6. (DOI Direct Link)
- Membrane-delimited coupling of TRPV1 and mGluR5 on presynaptic terminals of nociceptive neurons.
  *Transient receptor potential vanilloid subtype 1 (TRPV1) and metabotropic...*9th September, 2009
  Dental Research Institute, Department of Physiology School of Dentistry,- J Neurosci. 2009 Aug 12;29(32):10000-9. (DOI Direct Link)
- Electrophysiological and morphological properties of neurons in the substantia gelatinosa of the mouse trigeminal subnucleus caudalis.
  *The excitability of the second order neurons within the trigeminal...*26th August, 2009
  Faculty of Life Sciences, University of Manchester, Michael Smith- Pain. 2009 Nov;146(1-2):214-21. Epub 2009 Aug 22. (DOI Direct Link)
- [Morphophysiologic properties of delayed firing neurons in substantia gelatinosa of the rat spinal cord.
  *Substantia gelatinosa (SG) neurons of the spinal cord are highly...*11th August, 2009
  O.O. Bogomoletz Institute of Physiology National Academy of Sciences of- Fiziol Zh. 2009;55(2):44-9.
- Network-based activity induced by 4-aminopyridine in rat dorsal horn in vitro is mediated by both chemical and electrical synapses.
  *This study investigated the role of electrical and chemical synapses in...*4th August, 2009
  Institute for Membrane and Systems Biology, University of Leeds, Leeds,- J Physiol. 2009 Jun 1;587(Pt 11):2499-510. Epub 2009 Apr 9. (DOI Direct Link)
- Mexiletine and lidocaine suppress the excitability of dorsal horn neurons.
  *BACKGROUND: Spinal sensitization and facilitatory processes in dorsal horn...*22nd July, 2009
  Department of Anesthesiology, Intensive Care Medicine, Pain Therapy,- Anesth Analg. 2009 Jul;109(1):258-64. (DOI Direct Link)
- Inverse relation between intensity of GFAP expression in the substantia gelatinosa and degree of chronic mechanical allodynia.
  *Glial cells are known to have a large impact on neuropathic pain...*30th June, 2009
  Pain Management and Research Center, Department of Anesthesiology,- Neurosci Lett. 2009 Mar 13;452(2):101-5. Epub 2009 Jan 20. (DOI Direct Link)

BioNews Results for Substantia Gelatinosa

- Beazer, Merck, Citigroup, Lowe's are big movers
  KGO: Nov 16 2009 11:41PM Matching: substantia
- J.C. Penney, Disney, Genzyme are big movers
  KGO: Nov 13 2009 11:30PM Matching: substantia
- [Review] Initial clinical manifestations of Parkinson's disease: features and pathophysiological mechanisms
  Lancet Neurology: Nov 10 2009 4:20PM Matching: substantia
- Widely Used Cholesterol-lowering Drug May Prevent Progression Of Parkinson's Disease
  Science Daily: Nov 9 2009 8:11AM Matching: substantia
- Pulte Homes, Merck, Garmin are big movers
  KGO: Nov 5 2009 5:58PM Matching: substantia
- Progression Of Parkinson's Disease May Be Prevented By Widely Used Cholesterol-Lowering Drug

Medical News Today: Oct 31 2009 7:45AM Matching: substantia

- Researchers show Simvastatin prevents Parkinson's disease from progressing further
  News-Medical.Net: Oct 30 2009 5:31AM Matching: substantia
- Cholesterol-Lowering Drug May Prevent Progression of Parkinson's Disease
  Newswise: Oct 30 2009 3:15AM Matching: substantia
- Widely used cholesterol-lowering drug may prevent progression
  Genetic Engineering News: Oct 29 2009 10:35PM Matching: substantia
- Widely used cholesterol-lowering drug may prevent progression
  Research & Development: Oct 29 2009 9:54PM Matching: substantia
- Medical News: Early-Stage Parkinson's Study To Image Pre-Treatment Brain Function
  Medical News Today: Oct 20 2009 11:45AM Matching: substantia
- Early-Stage Parkinson's Study To Image Pre-Treatment Brain Function
  Medical News Today: Oct 20 2009 9:55AM Matching: substantia
- Basophils in the giant papillae of chronic allergic keratoconjunctivitis
  British Journal of Ophthalmology: Oct 14 2009 11:25PM Matching: substantia
- Basophils in the giant papillae of chronic allergic keratoconjunctivitis [Laboratory Science]
  British Journal of Ophthalmology: Oct 14 2009 8:22AM Matching: substantia
- Blocking folic acid action during early pregnancy leads to increased risk of abnormalities in growing baby
  News-Medical.Net: Oct 14 2009 6:18AM Matching: substantia

Substantia Gelatinosa Patents:

- 5800829- Methods for coextruding immunoisolatory implantable vehicles with a biocompatible jacket and a biocompatible matrix core
- 6395725- Analgesic methods using synthetic catalysts for the dismutation of superoxide radicals
- 6407207- Cloned and expressed human bradykinin BK-2 receptor
- 6436029- External vibratory exercising device for pelvic muscles
- 6447802- Analgesic and antinociceptive methods
- 6451301- Analgesic and antinociceptive methods
- 6662051- Programmable pain reduction device
- 6703230- 47174, a novel human glycosyltransferase and uses thereof
- 6709831- DNA encoding mammalian neuropeptide FF (NPFF) receptors and uses thereof
- 6730667- Iontophoresis disc pain blocker
- 6800749- G-protein coupled receptor
- 6364899- Heat pipe nerve cooler
- 6322804- Implantable biocompatible immunoisolatory vehicle for the delivery of selected therapeutic products
- 6231531- Apparatus and method for minimizing pain perception
- 5827823- Method of producing analgesia using neurotrophins
- 5834001- Methods for making immunoisolatory implantable vehicles with a biocompatiable jacket and a biocompatible matrix core
- 5869077- Methods for treating diabetes by delivering insulin from biocompatible cell-containing devices
- 5871767- Methods for treatment or prevention of neurodegenerative conditions using immunoisolatory

implantable vehicles with a biocompatible jacket and a biocompatible matrix core

- 5874099- Methods for making immunoisolatary implantable vehicles with a biocompatible jacket and a biocompatible matrix core
- 5879677- Method for inhibition of cerebral tissue factor mediated reperfusion damage
- 6083523- Implantable biocompatable immunoisolatory vehicle for delivery of selected therapeutic products
- 6132724- Allelic polygene diagnosis of reward deficiency syndrome and treatment
- 6179826- Implantable therapy systems and methods
- 6180620- Analgesic methods using synthetic catalysts for the dismutation of superoxide radicals
- 6849727- DNA encoding mammalian neuropeptide FF (NPFF) receptors and uses thereof
- 6897034- CD10-activated prodrug compounds
- 7361670- Amide derivatives as NMDA receptor antagonists
- 7365083- Amide derivatives as NMDA receptor antagonists
- 7369897- Method and system of remotely controlling electrical pulses provided to nerve tissue(s) by an implanted stimulator system for neuromodulation therapies
- 7375116- Amide derivatives as NMDA receptor antagonists
- 7378431- Amide derivatives as NMDA receptor antagonists
- 7435744- Piperidine derivatives as NMDA receptor antagonists
- 7447546- Methods of neurostimulating targeted neural tissue
- 7450993- Methods for selective stimulation of a ganglion
- 7502651- Methods for stimulating a dorsal root ganglion
- 7507585- Methods and systems for indentifying and monitoring S-nitrosothiols in biological samples
- 7337006- Methods and systems for modulating neural tissue
- 7337005- Methods for stimulating a nerve root ganglion
- 7333857- Treatment of pain
- 6919355- Amide derivatives as NMDA receptor antagonists
- 6960351- Implantable biocompatible immunoisolatory vehicle for delivery of selected therapeutic products
- 7078055- Method of attenuating swelling or inflammation
- 7078056- Method of attenuating bruise formation
- 7214534- Isolated nucleic acid molecules encoding mutant .mu. opioid receptors
- 7238780- G-protein coupled receptor
- 7252945- DNA encoding mammalian neuropeptide FF (NPFF) receptors and uses thereof
- 7276339- DNA encoding mammalian neuropeptide FF (NPFF) receptors and uses thereof
- 7301016- Human transferase family members and uses thereof
- 7304032- CD-10 activated prodrug compounds
- 7580753- Method and system for stimulating a dorsal root ganglion

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