

# Neuroanatomy

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Neuroanatomy is the branch of anatomy that studies the anatomical organization of the nervous system. In vertebrate animals, the routes that the myriad nerves take from the brain to the rest of the body, and the internal structure of the brain in particular, are both extremely elaborate. As a result, the study of neuroanatomy has developed into a discipline in itself, although it also represents a specialization within neuroscience. The delineation of distinct structures and regions of the brain has figured centrally in investigating how it works. For example, much of what neuroscientists have learned comes from observing how damage or "lesions" to specific brain areas affects behavior or other neural functions. ([From the Wikipedia article Neuroanatomy.](#))



## Recent Publications on Neuroanatomy:

- [Contributions to Neuroembryology of Santiago Ramon y Cajal \(1852-1934\) and Jorge F. Tello \(1880-1958\).](#)  
*The contributions of Cajal to Neuroembryology are glossed with the help of...*20th November, 2009  
Department of Human Anatomy and Psychobiology, Faculty of Medicine,- Int J Dev Biol. 2009;53(8-9-10):1145-1160. ([DOI Direct Link](#))
- [Glycinergic Transmission in the Mammalian Retina.](#)  
*Glycine and gamma-aminobutyric acid (GABA) are the major inhibitory...*20th November, 2009  
Department of Neuroanatomy, Max-Planck-Institute for Brain Research- Front Mol Neurosci. 2009;2:6. Epub 2009 Jul 9. ([DOI Direct Link](#))
- [Lithium Treatment Arrests the Development of Neurofibrillary Tangles in Mutant Tau Transgenic Mice with Advanced Neurofibrillary Pathology.](#)  
*Neurofibrillary tangles (NFTs) made of phosphorylated tau proteins are a...*19th November, 2009  
Laboratory of Histology, Neuroanatomy and Neuropathology, School of- J Alzheimers Dis. 2009 Nov 17. ([DOI Direct Link](#))
- [Chemical identity and connections of medial preoptic area neurons expressing melanin-concentrating hormone during lactation.](#)  
*Lactation is an energy-demanding process characterized by massive food and...*17th November, 2009  
Laboratory of Chemical Neuroanatomy, Department of Anatomy, Institute of- J Chem Neuroanat. 2009 Nov 10. ([DOI Direct Link](#))
- [Neurofeedback Outcomes in Clients with Asperger's Syndrome.](#)  
*This paper summarizes data from a review of neurofeedback (NFB) training...*13th November, 2009  
ADD Centre, 50 Village Centre Place, Mississauga, ON, L4Z 1V9, Canada,- Appl Psychophysiol Biofeedback. 2009 Nov 12. ([DOI Direct Link](#))
- [Estimation of Brain Deformation for Volumetric Image Updating in Protoporphyrin IX Fluorescence-Guided Resection.](#)

*Introduction: Fluorescence-guided resection (FGR) of brain tumors is an...*13th November, 2009  
Dartmouth Medical School, Dartmouth College, Hanover, N.H., USA.- Stereotact Funct Neurosurg.  
2009 Nov 12;88(1):1-10. ([DOI Direct Link](#))

- [Precuneus shares intrinsic functional architecture in humans and monkeys.](#)  
*Evidence from macaque monkey tracing studies suggests connectivity-based...*12th November, 2009  
Berlin School of Mind and Brain, Humboldt Universitat, 10099 Berlin,- Proc Natl Acad Sci U S A. 2009  
Nov 10. ([DOI Direct Link](#))
- [Chapter 35 The frontal lobes.](#)  
*The frontal lobes occupy an exalted position in neuroscience. The largest...*7th November, 2009  
- Handb Clin Neurol. 2009;95:557-70. ([DOI Direct Link](#))
- [Chapter 12 The anatomical foundations of clinical neurology.](#)  
*The chapter provides an itinerary of knowledge on nervous system anatomy...*7th November, 2009  
Department of Morphological and Biomedical Sciences, Faculty of Medicine,- Handb Clin Neurol.  
2009;95:149-68. ([DOI Direct Link](#))
- [Medical education in the anatomical sciences: The winds of change continue to blow.](#)  
*At most institutions, education in the anatomical sciences has undergone...*6th November, 2009  
Cleveland Clinic Lerner College of Medicine of Case Western Reserve- Anat Sci Educ. 2009 Nov 4. ([DOI Direct Link](#))
- [Neuroembryology and functional anatomy of craniofacial clefts.](#)  
*The master plan of all vertebrate embryos is based on neuroanatomy. The...*4th November, 2009  
Division of Plastic and Reconstructive Surgery, Department of Surgery at- Indian J Plast Surg. 2009  
Oct;42 Suppl:S19-34. ([DOI Direct Link](#))
- [Sex Differences in the Functional Neuroanatomy of Working Memory in Adults With ADHD.](#)  
*Objective Although attention deficit hyperactivity disorder (ADHD) in...*4th November, 2009  
- Am J Psychiatry. 2009 Nov 2. ([DOI Direct Link](#))
- [Local circuits targeting parvalbumin-containing interneurons in layer IV of rat barrel cortex.](#)  
*Interactions between inhibitory interneurons and excitatory spiny neurons...*3rd November, 2009  
Department of Neuroanatomy, Institute of Anatomy and Cell Biology,- Brain Struct Funct. 2009 Oct 31.  
([DOI Direct Link](#))
- [Introduction to the chemical neuroanatomy of birdsong.](#)  
*Interactions between inhibitory interneurons and excitatory spiny neurons...*3rd November, 2009  
Department of Psychological and Brain Sciences, Johns Hopkins University,- J Chem Neuroanat. 2009  
Oct 29. ([DOI Direct Link](#))
- [Soluble oligomeric forms of beta-amyloid \(Abeta\) peptide stimulate Abeta production via astrogliosis in the rat brain.](#)  
*The aim of this study was to investigate the interaction between...*3rd November, 2009  
Laboratory of Neuroanatomy, Institute of Neuroscience of Castilla and- Exp Neurol. 2009 Oct 29. ([DOI Direct Link](#))

## BioNews Results for Neuroanatomy

- [Sex Differences in the Functional Neuroanatomy of Working Memory in Adults With ADHD](#)  
MDLinx: Nov 6 2009 9:24AM Matching: neuroanatomy



## Neuroanatomy Patents:

- 7351430- [Shape-retentive hydrogel particle aggregates and their uses](#)
- 7417428- [Fibre tracking magnetic resonance imaging](#)
- 7419827- [Cell lines](#)
- 7435420- [Dipeptidyl peptidase IV inhibitors for the treatment of anxiety](#)
- 7440806- [Systems and methods for treatment of diabetes by electrical brain stimulation and/or drug infusion](#)
- 7462155- [Objective determination of chronic pain in patients](#)
- 7467115- [Mobile brain-based device having a simulated nervous system based on the hippocampus](#)
- 7488865- [Urocortin-deficient mice and uses thereof](#)
- 7491499- [Method for diagnosing or predicting susceptibility to psychiatric disorders](#)
- 7493171- [Treatment of pathologic craving and aversion syndromes and eating disorders by electrical brain stimulation and/or drug infusion](#)
- 7494981- [Inhibition of interaction of PSD93 and PSD95 with nNOS and NMDA receptors](#)
- 7416888- [Cell lines](#)
- 7403890- [Multi-dimensional method and apparatus for automated language interpretation](#)
- 7354918- [Derivatives of 14.15-dihydro 20.21-dinoreburnamenin-14-ol and applications thereof](#)
- 7357934- [Intracranial botulinum toxin therapy for focal epilepsy](#)
- 7364847- [Nucleic acid participating in the formation of presenilin-2-gene exon 5-defective splicing variant](#)
- 7367339- [Neural networks in sedation and analgesia systems](#)
- 7368115- [Method of enhancing neural stem cell proliferation, differentiation, and survival using pituitary adenylate cyclase activating polypeptide \(PACAP\)](#)
- 7371374- [Neural transplantation using pluripotent neuroepithelial cells](#)
- 7371535- [Processes for determining compounds that interact with snorf33 receptor](#)
- 7374760- [Methods and compositions for nerve regeneration](#)
- 7375527- [Cavity resonator for MR systems](#)
- 7393830- [Prolactin induced increase in neural stem cell numbers](#)
- 7499752- [Selective nerve stimulation for the treatment of eating disorders](#)
- 7507713- [Motoneuronotrophic factor](#)
- 7510525- [System for topical nerve diagnosis and neuroanatomical study](#)
- 7563595- [Nucleic acids encoding functional splice variants of the .alpha.7 nicotinic acetylcholine receptor subunit and methods for producing the encoded proteins](#)
- 7565193- [Questions and control paradigms for detecting deception by measuring brain activity](#)
- 7567693- [Methods for physiological monitoring training, exercise and regulation](#)
- 7582062- [Methods of neural centre location and electrode placement in the central nervous system](#)
- 7582650- [Tricyclic opioid modulators](#)
- 7588937- [Method of in vitro differentiation of neural stem cells, motor neurons and dopamine neurons from primate embryonic stem cells](#)
- 7591851- [Inter-cervical facet implant and method](#)
- 7601170- [Inter-cervical facet implant and method](#)
- 7601525- [Alginate gel scaffold having a plurality of continuous parallel microtubular copper capillaries](#)
- 7604993- [Combined regulation of neural cell production](#)
- 7560923- [Signal acquisition and processing method and apparatus for magnetic resonance imaging](#)
- 7555344- [Selective neurostimulation for treating epilepsy](#)

- 7517658- [Methods for preparing compositions using a SNORF33 receptor](#)
- 7519452- [Mobile brain-based device for use in a real world environment](#)
- 7525310- [Signal acquisition and processing method and apparatus for magnetic resonance imaging](#)
- 7531555- [Compositions and methods for selective inhibition of nicotine acetylcholine receptors](#)
- 7532935- [Selective neurostimulation for treating mood disorders](#)
- 7533071- [Neural modeling and brain-based devices using special purpose processor](#)
- 7533107- [Data source integration system and method](#)
- 7534450- [Nutrient supplements and methods for treating autism and for preventing the onset of autism](#)
- 7534765- [Pregnancy-induced oligodendrocyte precursor cell proliferation regulated by prolactin](#)
- 7553850- [Tricyclic-bridged piperidinydene derivatives as .delta.-opioid modulators](#)
- 7620455- [Cranial nerve stimulation to treat eating disorders](#)

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