

# Calcium Signaling

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## Recent Publications on Calcium Signaling:

- [Substrate rigidity regulates Ca\(2+\) oscillation via RhoA pathway in stem cells.](#)  
*Substrate rigidity plays crucial roles in regulating cellular functions...*11th October, 2008  
Neuroscience Program, Beckman Institute for Advanced Science and- J Cell Physiol. 2008 Oct 9. ([DOI Direct Link](#))
- [Endothelial H2O2: a bad guy turning good?](#)  
*The neurodegeneration observed in Alzheimer's disease has been associated...*10th October, 2008  
- Arterioscler Thromb Vasc Biol. 2008 Oct;28(10):1691-3. ([DOI Direct Link](#))
- [Astrocytic Calcium Signaling: Mechanism and Implications for Functional Brain Imaging.](#)  
*Astrocytes are electrically non-excitabile cells that, on a slow time scale...*8th October, 2008  
, .- Methods Mol Biol. 2009;489:93-110. ([DOI Direct Link](#))
- [Imaging of Effector Memory T Cells during a Delayed-Type Hypersensitivity Reaction and Suppression by Kv1.3 Channel Block.](#)  
*Effector memory T (Tem) cells are essential mediators of autoimmune...*7th October, 2008  
Department of Physiology and Biophysics and the Center for Immunology,- Immunity. 2008 Oct 1. ([DOI Direct Link](#))
- [Coxsackievirus B3 induction of NFAT: Requirement for myocarditis susceptibility.](#)  
*Ultraviolet (u.v.) inactivated coxsackievirus B3 (CVB3) induces rapid...*3rd October, 2008  
Department of Pathology, University of Vermont, Colchester, VT 05446, USA.- Virology. 2008 Sep 29. ([DOI Direct Link](#))
- [Clusters of hyperactive neurons near amyloid plaques in a mouse model of Alzheimer's disease.](#)  
*The neurodegeneration observed in Alzheimer's disease has been associated...*3rd October, 2008  
Institut fur Neurowissenschaften, Technische Universitat Munchen (TUM),- Science. 2008 Sep 19;321(5896):1686-9. ([DOI Direct Link](#))
- [What is the role of astrocyte calcium in neurophysiology?](#)  
*Astrocytes comprise approximately half of the volume of the adult...*27th September, 2008  
Department of Pharmacology, 1004 Mary Ellen Jones Building CB #7365,- Neuron. 2008 Sep 25;59(6):932-46. ([DOI Direct Link](#))
- [Calcium signaling in dendrites and spines: practical and functional considerations.](#)  
*Changes in intracellular calcium (Ca) concentration following synaptic and...*27th September, 2008  
Howard Hughes Medical Institute, Department of Neurobiology, Harvard- Neuron. 2008 Sep 25;59(6):902-13. ([DOI Direct Link](#))
- [Transient enhancement of spike-evoked calcium signaling by a serotonergic interneuron.](#)  
*Enhancement of presynaptic Ca(2+) signals is widely recognized as a...*26th September, 2008

- Rosalind Franklin University of Science and Medicine.- J Neurophysiol. 2008 Sep 24. ([DOI Direct Link](#))
- [Hippocampal transcriptome after status epilepticus in mice rendered seizure damage-tolerant by epileptic preconditioning features suppressed calcium and neuronal excitability pathways.](#)  
*Preconditioning brain with a sub-lethal stressor can temporarily generate...*23rd September, 2008  
Department of Physiology and Medical Physics, Royal College of Surgeons in- Neurobiol Dis. 2008 Sep 4. ([DOI Direct Link](#))
  - [The information highways of a biotechnological workhorse--signal transduction in \*Hypocrea jecorina\*.](#)  
*BACKGROUND: The ascomycete Hypocrea jecorina (anamorph Trichoderma reesei)...*23rd September, 2008  
Research Area of Gene Technology and Applied Biochemistry, Institute for- BMC Genomics. 2008 Sep 20;9:430. ([DOI Direct Link](#))
  - [Tissue-type plasminogen activator requires a co-receptor to enhance N-Methyl-D-Aspartate receptor function.](#)  
*Glutamate is the main excitatory neurotransmitter of the central nervous...*18th September, 2008  
Australian Centre for Blood Diseases, Monash University, AMREP, Melbourne,- J Neurochem. 2008 Sep 15. ([DOI Direct Link](#))
  - [In vitro biologic activities of the antimicrobials triclocarban, its analogs, and triclosan in bioassay screens: receptor-based bioassay screens.](#)  
*BACKGROUND: Concerns have been raised about the biological and toxicologic...*17th September, 2008  
Department of Entomology and Cancer Research Center, University of- Environ Health Perspect. 2008 Sep;116(9):1203-10. ([DOI Direct Link](#))
  - [Calcium signaling: A common thread in vertebrate left-right axis development.](#)  
*The establishment of a left-right axis during vertebrate development is...*16th September, 2008  
Department of Molecular, Cell and Developmental Biology, University of- Dev Dyn. 2008 Sep 12. ([DOI Direct Link](#))
  - [Rat area postrema microglial cells act as sensors for the toll-like receptor-4 agonist lipopolysaccharide.](#)  
*The area postrema (AP) represents the sensory circumventricular organ...*13th September, 2008  
Institute for Veterinary-Physiology, Justus-Liebig University Giessen,- J Neuroimmunol. 2008 Sep 9. ([DOI Direct Link](#))

## BioNews Results for Calcium Signaling

- [Tools for Enhancing Vitamin D Therapeutics](#)  
*Genetic Engineering News: Oct 8 2008 10:55PM Matching: calcium signaling*
- [Johns Hopkins Researchers Recognized for Contributions to Understanding Vision Research](#)  
*Johns Hopkins Medicine: Sep 11 2008 11:47PM Matching: calcium signaling*
- [Dynamic imaging of calcium and STIM1 in the same cell using wide-field and TIRF microscopy](#)  
*Bio Techniques: Sep 7 2008 11:18PM Matching: calcium signaling*
- [New Nano Device Detects Immune System Cell Signaling](#)  
*Newswise: Sep 4 2008 8:19AM Matching: calcium signaling*



## Calcium Signaling Patents:

- 7265266- [Transgenic evaluation of activated mutant alleles of SOS2 reveals a critical requirement for its kinase activity and C-terminal regulatory domain for salt tolerance in Arabidopsis thaliana](#)
- 7332291- [Methods of identifying modulators of ligand binding to ChemerinR polypeptides](#)
- 7332479- [Extracellular NAD.sup.+ and cADPR as potent anti-inflammatory agents](#)
- 7335653- [Bis-aryl sulfonamides](#)
- 7341842- [TRP8, a transient receptor potential channel expressed in taste receptor cells](#)
- 7341992- [Lectin-like domain of thrombomodulin and its therapeutic use](#)
- 7355005- [Lymphocyte surface receptor that binds CAML and methods of use thereof](#)
- 7357913- [Methods for detecting, prognosing, or monitoring a disorder by comparing relative flux rates of two or more biological molecules in vivo](#)
- 7364866- [Drosophila G protein coupled receptors, nucleic acids, and methods related to the same](#)
- 7364867- [Method of identifying bitter compounds by employing TRP8, a transient receptor potential channel expressed in taste receptor cells](#)
- 7365050- [Methods for modulating a drug-related effect or behavior](#)
- 7332158- [Compositions and treatments for myelosuppression by ex vivo activated immune cells](#)
- 7320870- [Ocular tear growth factor-like protein](#)
- 7312044- [Type 1 ryanodine receptor-based methods](#)
- 7267985- [Control of post-transcriptional gene silencing in plants](#)
- 7279338- [Methods for determining cellular response to stimuli](#)
- 7282360- [Human protein kinase, phosphatase, and protease family members and uses thereof](#)
- 7285266- [Cell-polymer fiber compositions and uses thereof](#)
- 7285530- [Use of SERP-1 as an antiplatelet agent](#)
- 7291604- [Methods of treating restenosis](#)
- 7294465- [Polycystic kidney disease PKD2 gene and uses thereof](#)
- 7297836- [Methods of detecting neurological disorders](#)
- 7300649- [Cosmetic and cosmeceutical compositions for restoration of skin barrier function](#)
- 7308364- [Diagnosis of multiple myeloma on gene expression profiling](#)
- 7371736- [Gene expression profiling based identification of DKK1 as a potential therapeutic targets for controlling bone loss](#)
- 7371823- [Cyclic nucleotide-gated cation channel subunit 3B \(CNG3B\) polypeptides](#)
- 7419658- [Isolated ligand of ChemerinR](#)
- 7420055- [Aryl sulfonamides](#)
- 7420100- [Methods and compositions relating to HDAC 4 and 5 regulation of cardiac gene expression](#)
- 7425412- [Biomarkers for toxic algae](#)
- 7425614- [Neuroprotective therapeutics preventing ERK/MAPK activation through the NMDA receptor](#)
- 7425631- [Compounds and methods of use](#)
- 7427476- [PITX2 polynucleotide, polypeptide and methods of use therefor](#)
- 7429248- [Method and apparatus for controlling acoustic modes in tissue healing applications](#)
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- 7417121- [Human G-protein coupled receptor, HGPRBMY39](#)
- 7414134- [B1 bradykinin receptor antagonists](#)
- 7410469- [Apparatus and method for ultrasonically and electromagnetically treating tissue](#)
- 7372937- [Systems and methods of non-standard spiral cone-beam computed tomography \(CT\)](#)

- 7372985- [Systems and methods for volumetric tissue scanning microscopy](#)
- 7378496- [hKCa3/KCNN3 small conductance calcium activated potassium channel: a diagnostic marker and therapeutic target](#)
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- 7385103- [Animal model, cells, and treatment for malignant melanoma](#)
- 7390879- [Secreted and transmembrane polypeptides and nucleic acids encoding the same](#)
- 7393652- [Methods for identifying a chemical compound that directly enhances binding of FKBP12.6 to PKA-phosphorylated type 2 ryanodine receptor \(RyR2\)](#)
- 7393852- [Piperazine derivatives and methods of use](#)
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- 7432065- [Methods of identifying modulators of interaction between PDZ domain proteins and PL proteins](#)

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