

Allosteric Regulation

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Recent Publications on Allosteric Regulation:

- [Dynamic activation of an allosteric regulatory protein.](#)
*Allosteric regulation is used as a very efficient mechanism to control...*20th November, 2009
[1] Department of Chemistry & Chemical Biology, [2] Department of- Nature. 2009 Nov 19;462(7271):368-372. ([DOI Direct Link](#))
- [Dss1 regulates interaction of Brh2 with DNA.](#)
*Brh2, the BRCA2 homolog in Ustilago maydis, plays a crucial role in...*19th November, 2009
- Biochemistry. 2009 Nov 17. ([DOI Direct Link](#))
- [How do transcription factors select specific binding sites in the genome?](#)
*Maize (Zea mays) endosperm ADP-glucose pyrophosphorylase (AGPase) is a...*18th November, 2009
Basic Science Program, SAIC-Frederick, Inc., Center for Cancer Research- Nat Struct Mol Biol. 2009 Nov;16(11):1118-20. ([DOI Direct Link](#))
- [The impact of GPCR structures on pharmacology and structure-based drug design.](#)
*After many years of effort, recent technical breakthroughs have enabled...*17th November, 2009
Heptares Therapeutics Ltd, Welwyn Garden City, Hertfordshire, UK.- Br J Pharmacol. 2009 Nov 13. ([DOI Direct Link](#))
- [Structure of the zinc-bound amino-terminal domain of the NMDA receptor NR2B subunit.](#)
*N-methyl-D-aspartate (NMDA) receptors belong to the family of ionotropic...*17th November, 2009
WM Keck Structural Biology Laboratory, Cold Spring Harbor Laboratory, Cold- EMBO J. 2009 Nov 12. ([DOI Direct Link](#))
- [Nodule-enhanced expression of a sucrose phosphate synthase gene member \(MsSPSA\) has a role in carbon and nitrogen metabolism in the nodules of alfalfa \(Medicago sativa L.\).](#)
*Sucrose phosphate synthase (SPS) catalyzes the first step in the synthesis...*10th November, 2009
Graduate Program in Molecular Biology, New Mexico State University, Las- Planta. 2009 Nov 8. ([DOI Direct Link](#))
- [Splicing variants impact in thyroid normal physiology and pathological conditions.](#)
*RNA splicing is an essential, precisely regulated process that occurs...*7th November, 2009
Universidade Federal de Minas Gerais, Belo Horizonte, MG, Brasil.- Arq Bras Endocrinol Metabol. 2009 Aug;53(6):709-15.
- [Probing Allosteric Binding Sites of the Maize Endosperm ADP-glucose Pyrophosphorylase.](#)
*Maize (Zea mays) endosperm ADP-glucose pyrophosphorylase (AGPase) is a...*6th November, 2009
1117 Fifield Hall, Program in Plant Molecular and Cellular Biology and- Plant Physiol. 2009 Nov 4. ([DOI Direct Link](#))

- [Structural insights into mechanisms of the small RNA methyltransferase HEN1.](#)
RNA silencing is a conserved regulatory mechanism in fungi, plants and... 21st October, 2009
Department of Biochemistry and Molecular Genetics, Schools of Medicine and- Nature. 2009 Oct 8;461(7265):823-7. ([DOI Direct Link](#))
- [Role of the polycomb protein EED in the propagation of repressive histone marks.](#)
Polycomb group proteins have an essential role in the epigenetic... 21st October, 2009
Howard Hughes Medical Institute and Department of Biochemistry, New York- Nature. 2009 Oct 8;461(7265):762-7. Epub 2009 Sep 20. ([DOI Direct Link](#))
- [Cooperative binding of two acetylation marks on a histone tail by a single bromodomain.](#)
A key step in many chromatin-related processes is the recognition of... 17th October, 2009
European Molecular Biology Laboratory, Grenoble Outstation, 6 rue Jules- Nature. 2009 Oct 1;461(7264):664-8. ([DOI Direct Link](#))
- [Hidden dynamic allostery in a PDZ domain.](#)
Structure-function relationships in proteins are predicated on the spatial... 16th October, 2009
Division of Medicinal Chemistry and Natural Products, Eshelman School of- Proc Natl Acad Sci U S A. 2009 Oct 27;106(43):18249-54. Epub 2009 Oct 14. ([DOI Direct Link](#))
- [Mechanism for the allosteric regulation of phosphodiesterase 2A deduced from the X-ray structure of a near full-length construct.](#)
We report the X-ray crystal structure of a phosphodiesterase (PDE) that... 16th October, 2009
Pfizer Global Research and Development, Groton Labs, Groton, CT 06340,- Proc Natl Acad Sci U S A. 2009 Oct 27;106(43):18225-30. Epub 2009 Oct 14. ([DOI Direct Link](#))
- [Crystal structures of progressive Ca²⁺ binding states of the Ca²⁺ sensor CBD1 from the CALX Na⁺/Ca²⁺ exchanger reveal incremental conformational transitions.](#)
Na⁽⁺⁾/Ca⁽²⁺⁾ exchangers (NCX) constitute a major Ca⁽²⁺⁾ export system that... 10th October, 2009
University of Texas Health Science Center at Houston, United States;- J Biol Chem. 2009 Oct 7. ([DOI Direct Link](#))
- [Alternative to homo-oligomerisation: the creation of local symmetry in proteins by internal amplification.](#)
The biologically active state of many proteins requires their prior... 23rd September, 2009
Atelier de BioInformatique, Universite Pierre et Marie Curie-Paris 06,- J Mol Biol. 2009 Dec 4;394(3):522-34. Epub 2009 Sep 19. ([DOI Direct Link](#))

Allosteric Regulation Patents:



- 7371539- [Targeted polypeptide degradation](#)
- 7442783- [Natural IgM antibodies and inhibitors thereof](#)
- 7459543- [Modulators of antiestrogen pharmacology](#)
- 7465750- [Use of GAL3 antagonist for treatment of depression and/or anxiety and compounds useful in such methods](#)
- 7470701- [Substituted 2,5-heterocyclic derivatives](#)
- 7476500- [In vivo selection system for enzyme activity](#)
- 7479551- [Modified vitamin K-dependent polypeptides](#)
- 7494643- [Method and topical composition for the treatment of hyperpigmented skin](#)
- 7511024- [Factor VII or VIIA-like molecules](#)
- 7517974- [Factor VII or VIIa-like molecules](#)

- 7538193- [NO-modified hemoglobins and uses therefor](#)
- 7442524- [Factor VII or VIIa-like molecules](#)
- 7435561- [Methods for multiplexing recombinase polymerase amplification](#)
- 7435406- [Methods for conducting metabolic analyses](#)
- 7371543- [Factor VII or VIIa-like molecules](#)
- 7385104- [Plants synthesizing a modified starch, a process for the generation of the plants, their use, and the modified starch](#)
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- 7414022- [Factor VII or VIIa-like molecules](#)
- 7416863- [Nucleotide sequences for encoding of the lysR2-gene](#)
- 7422884- [Feedback-resistant mevalonate kinases](#)
- 7427592- [Factor VII or VIIa - like molecules](#)
- 7429657- [DNA molecules encoding enzymes involved in starch synthesis, vectors, bacteria, transgenic plant cells and plants containing these molecules](#)
- 7544859- [Elongase gene and method for producing multiple-unsaturated fatty acids](#)
- 7553934- [Modified vitamin K-dependent polypeptides](#)
- 7589174- [GRP94-based compositions and methods of use thereof](#)
- 7598056- [Factor VII or VIIA-like molecules](#)
- 7598355- [Characterization of GRP94-ligand interactions and purification, screening, and therapeutic methods relating thereto](#)
- 7598361- [Nucleic acid molecules and other molecules associated with the sucrose pathway](#)
- 7601824- [RNA complexes, methods of their production](#)
- 7601889- [Elongase gene and production of .DELTA.9-polyunsaturated fatty acids](#)
- 7605185- [Treatment of arrhythmia by retinoids affecting signal transduction](#)
- 7612188- [Modified vitamin K. dependent polypeptides](#)
- 7615679- [Method of producing polyunsaturated fatty acids, novel biosynthesis genes, and novel plant expression constructs](#)
- 7618954- [Inositol pyrophosphates, and methods of use thereof](#)
- 7588922- [Nucleic acid molecules encoding enzymes having fructosyltransferase activity, and their use](#)
- 7582460- [3-phosphoglycerate dehydrogenase variants whose inhibition by L-serine is reduced, and genes encoding them](#)
- 7575860- [DNA joining method](#)
- 7553935- [Modified vitamin K-dependent polypeptides](#)
- 7553945- [RNA complexes and methods of their production](#)
- 7553954- [Nucleic acid molecules and other molecules associated with plants](#)
- 7557201- [Nucleic acid molecules and other molecules associated with plants](#)
- 7560473- [Amine derivative with potassium channel regulatory function, its preparation and use](#)
- 7560542- [Nucleic acid molecule SEQ ID NO. 68811 and other molecules associated with plants](#)
- 7572616- [Alternative oxidase and uses thereof](#)
- 7572902- [Nucleic acid molecules seq id No. 16372 and other molecules associated with plants](#)
- 7572950- [Methods for obtaining pathogen resistance in plants](#)
- 7574306- [Method and system for optimization of polymer sequences to produce polymers with stable, 3-dimensional conformations](#)
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