

# Protein-Arginine N-Methyltransferase

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- [Hsp70 chaperones and type I PRMTs are sequestered at intranuclear inclusions caused by polyalanine expansions in PABPN1.](#)  
*Genomic instability at loci with tandem arrays of simple repeats is the...* 11th November, 2009  
Instituto de Medicina Molecular, Faculdade de Medicina, Universidade de - PLoS One. 2009 Jul 29;4(7):e6418. ([DOI Direct Link](#))
- [A survey of proteins encoded by non-synonymous single nucleotide polymorphisms reveals a significant fraction with altered stability and activity.](#)  
*On average, each human gene has approximately four SNPs (single nucleotide...* 5th November, 2009  
Structural Genomics Consortium, University of Toronto, 101 College Street,- Biochem J. 2009 Oct 23;424(1):15-26. ([DOI Direct Link](#))
- [Proteomic identification of cytosolic proteins that undergo arginine methylation during rat liver regeneration.](#)  
*Protein arginine methylation plays a crucial role in signal transduction,...* 29th October, 2009  
Department of Biochemistry, Molecular, Cellular and Development Biology,- Electrophoresis. 2009 Jul;30(14):2412-21. ([DOI Direct Link](#))
- [CBP/p300 and associated transcriptional co-activators exhibit distinct expression patterns during murine craniofacial and neural tube development.](#)  
*Mutations in each of the transcriptional co-activator genes - CBP, p300,...* 20th October, 2009  
University of Louisville Birth Defects Center, Department of Molecular,- Int J Dev Biol. 2009;53(7):1097-104. ([DOI Direct Link](#))
- [Expression pattern of prmt5 in adult fish and embryos of medaka, \*Oryzias latipes\*.](#)  
*DNA methylation is an important biochemical epigenetic determinant of gene...* 6th October, 2009  
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- [Thrombospondin-1 is a transcriptional repression target of PRMT6.](#)  
*Protein arginine methyltransferase 6 (PRMT6) is known to catalyze the...* 29th September, 2009  
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- [Arginine methylation regulates telomere length and stability.](#)  
*TRF2, a component of the shelterin complex, functions to protect...* 16th September, 2009  
Department of Biology, McMaster University, Hamilton, Ontario, Canada.- Mol Cell Biol. 2009 Sep;29(18):4918-34. Epub 2009 Jul 13. ([DOI Direct Link](#))
- [PRMT-1 and DDAHs-induced ADMA upregulation is involved in ROS- and RAS-mediated diabetic](#)

## retinopathy.

*Asymmetric dimethylarginine (ADMA), an endogenous competitive inhibitor of...* 15th September, 2009  
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- [PRMT5 is required for cell-cycle progression and p53 tumor suppressor function.](#)  
*Protein arginine methyltransferases (PRMTs) mediate the transfer of methyl...* 15th September, 2009  
Center for Comparative Oncology, University of California at Davis, CA- *Nucleic Acids Res.* 2009  
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- [Sources of S-adenosyl-I-homocysteine background in measuring protein arginine N-methyltransferase activity using tandem mass spectrometry.](#)  
*S-Adenosyl-I-homocysteine (AdoHcy) background signal in reactions with...* 8th September, 2009  
Division of Biomolecular and Pharmaceutical Chemistry, Faculty of- *Anal Biochem.* 2009 Sep 3. ([DOI Direct Link](#))
- [Caenorhabditis elegans protein arginine methyltransferase PRMT-5 negatively regulates DNA damage-induced apoptosis.](#)  
*Arginine methylation of histone and non-histone proteins is involved in...* 29th August, 2009  
Key Laboratory of Molecular and Developmental Biology, Institute of- *PLoS Genet.* 2009  
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- [Delineating Anopheles gambiae coactivator associated arginine methyltransferase 1 automethylation using top-down high resolution tandem mass spectrometry.](#)  
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- [The distribution and characterization of endogenous protein arginine N-methyltransferase 8 in mouse CNS.](#)  
*Protein arginine N-methyltransferase (PRMT) 8 was first discovered from a...* 7th July, 2009  
Department of Anatomy and Neuroscience, Graduate School of Medicine, The- *Neuroscience.* 2009  
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- [Arginine methylation of ribosomal protein S3 affects ribosome assembly.](#)  
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## **Protein-Arginine N-Methyltransferase Patents:**



- 7524928- [IFN receptor 1 binding proteins](#)
- 7101852- [Composition and method for treatment and prevention of restenosis](#)
- 7049088- [PRMTs as modifiers of the p53 pathway and methods of use](#)
- 6471959- [Human transferase](#)
- 6362007- [Methylated, SMD homologous peptides, reactive with the antibodies from sera of living](#)

[beings affected with systemic lupus erythematosus](#)

- 6060250- [Human transferases](#)

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