

Focal Adhesions

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Recent Publications on Focal Adhesions:

- [Abnormalities in Focal Adhesion Complex Formation, Regulation and Function in Human Autosomal Recessive Polycystic Kidney Disease \(ARPKD\) Epithelial Cells.](#)
*Integrin-associated focal adhesion complex formation and turnover plays an...*20th November, 2009
Mount Sinai School of Medicine.- Am J Physiol Cell Physiol. 2009 Nov 18. ([DOI Direct Link](#))
- [Identification of MYO18A as a Novel Interacting Partner of the PAK2/ \$\beta\$ PIX/GIT1 Complex and Its Potential Function in Modulating Epithelial Cell Migration.](#)
*Monitoring Editor: Jonathan Chernoff The p21-activated kinase (PAK) 2 is...*20th November, 2009
Graduate Institute of Biomedical Sciences, Department of Cell and- Mol Biol Cell. 2009 Nov 18. ([DOI Direct Link](#))
- [Rab5 Mediates Caspase-8 Promoted Cell Motility and Metastasis.](#)
*Monitoring Editor: Joan Brugge Caspase-8 is a key apical sensory protein...*20th November, 2009
Department of Pathology, and Moores Comprehensive Cancer Center,- Mol Biol Cell. 2009 Nov 18. ([DOI Direct Link](#))
- [Controlling the orientation and synaptic differentiation of myotubes with micropatterned substrates.](#)
*Micropatterned poly(dimethylsiloxane) substrates fabricated by soft...*18th November, 2009
Department of Molecular and Cellular Biology, Harvard University,- Biophys J. 2009 Nov 18;97(10):2771-9. ([DOI Direct Link](#))
- [Coronin 1C negatively regulates cell-matrix adhesion and motility of intestinal epithelial cells.](#)
*Coronins, WD-repeat actin-binding proteins, are known to regulate cell...*17th November, 2009
Epithelial Pathobiology Research Unit, Department of Pathology and- Biochem Biophys Res Commun. 2009 Nov 12. ([DOI Direct Link](#))
- [The integrin adhesion complex changes its composition and function during morphogenesis of an epithelium.](#)
*Cell adhesion to the extracellular matrix (ECM) is mediated by the...*12th November, 2009
Gurdon Institute and Department of Physiology, Development and- J Cell Sci. 2009 Dec 1;122(Pt 23):4363-4374. Epub 2009 Nov 10. ([DOI Direct Link](#))
- [START-GAP1/DLC1 is localized in focal adhesions through interaction with the PTB domain of tensin2.](#)
*Cell adhesion to the extracellular matrix (ECM) is mediated by the...*10th November, 2009
Graduate School of Life Science, University of Hyogo, Harima Science- Adv Enzyme Regul. 2009 Nov 4. ([DOI Direct Link](#))
- [Cbl-associated protein is tyrosine phosphorylated by c-Abl and c-Src kinases.](#)
*BACKGROUND: The c-Cbl-associated protein (CAP), also known as ponsin,...*7th November, 2009

Institute of Biochemistry, University of Giessen, Friedrichstrasse 24,- BMC Cell Biol. 2009 Nov 5;10:80. ([DOI Direct Link](#))

- [Lifetime and strength of periodic bond clusters between elastic media under inclined loading.](#)
*Focal adhesions are clusters of specific receptor-ligand bonds that link...*4th November, 2009
Division of Engineering, Brown University, Providence, Rhode Island, USA.- Biophys J. 2009 Nov 4;97(9):2438-45. ([DOI Direct Link](#))
- [Focal adhesion kinase-dependent regulation of adhesive force involves vinculin recruitment to focal adhesions.](#)
*Background information. Focal adhesion kinase (FAK), an essential...*4th November, 2009
- Biol Cell. 2009 Nov 2. ([DOI Direct Link](#))
- [Nanotopography-induced changes in focal adhesions, cytoskeletal organization, and mechanical properties of human mesenchymal stem cells.](#)
*The growth of stem cells can be modulated by physical factors such as...*3rd November, 2009
Department of Biomedical Engineering, Pratt School of Engineering Duke- Biomaterials. 2009 Oct 29. ([DOI Direct Link](#))
- [Tumor necrosis factor alpha and interleukin-1beta modulate calcium and nitric oxide signaling in mechanically stimulated osteocytes.](#)
*OBJECTIVE: Inflammatory diseases often coincide with reduced bone mass....*31st October, 2009
ACTA-Universiteit van Amsterdam and Vrije Universiteit, Research Institute- Arthritis Rheum. 2009 Nov;60(11):3336-45. ([DOI Direct Link](#))
- [Deleted in liver cancer 1 isoforms are distinctly expressed in human tissues, functionally different and under differential transcriptional regulation in hepatocellular carcinoma.](#)
*Abstract Background: Deleted in liver cancer (DLC) is a family of tumour...*31st October, 2009
Liver Cancer and Hepatitis Research Laboratory and SH Ho Foundation- Liver Int. 2009 Oct 27. ([DOI Direct Link](#))
- [Distinct roles for Crk adaptor isoforms in actin reorganization induced by extracellular signals.](#)
*Crk family adaptors, consisting of Src homology 2 (SH2) and SH3...*29th October, 2009
Department of Genetics and Developmental Biology, University of- J Cell Sci. 2009 Nov 15;122(Pt 22):4228-38. Epub 2009 Oct 27. ([DOI Direct Link](#))
- [Effects of micrometric titanium particles on osteoblast attachment and cytoskeleton architecture.](#)
*Titanium (Ti) and its alloys are widely used in biomedical devices as bone...*29th October, 2009
Unidad de Investigacion, Hospital Universitario La Paz, 28046 Madrid,- Acta Biomater. 2009 Oct 25. ([DOI Direct Link](#))

Focal Adhesions Patents:



- 7396824- [2-O sulfatase nucleic acid compositions](#)
- 7442781- [Diagnosis, prevention and treatment of cancer](#)
- 7455986- [Heparinase III and methods of specifically cleaving therewith](#)
- 7455989- [AKAP84 and its use for visualization of biological structures](#)
- 7456176- [Benzotriazine inhibitors of kinases](#)
- 7460240- [Apparatus and method for detecting deformability of cells using spatially modulated optical force microscopy](#)
- 7462447- [Methods for evaluating susceptibility to a bone homeostasis disorder](#)

- 7462612- [Pyridine inhibitors of ERK2 and uses thereof](#)
- 7462713- [Tricyclic compounds protein kinase inhibitors for enhancing the efficacy of anti-neoplastic agents and radiation therapy](#)
- 7473766- [PAK4-related antibodies](#)
- 7479277- [Method for reducing intraocular pressure using integrin-linked kinase inhibitor](#)
- 7429474- [2-O sulfatase compositions and methods of analyzing therewith](#)
- 7427595- [Use of proepithelin to promote wound repair and reduce inflammation](#)
- 7427399- [Antibodies and related molecules that bind to 161P2F10B proteins](#)
- 7399604- [Methods and products related to evaluating the quality of a polysaccharide](#)
- 7402298- [EphA2 monoclonal antibodies and methods of making and using same](#)
- 7405081- [Methods and kits for identifying scavengers of reactive oxygen species \(ROS\)](#)
- 7405286- [Stars--A muscle-specific actin-binding protein](#)
- 7407660- [Methods and compositions for selective modulation of vascularization](#)
- 7416725- [Compositions and methods of using galectin-8 as an inhibitor of tumor cell growth](#)
- 7416849- [HBM variants that modulate bone mass and lipid levels](#)
- 7420044- [Nucleic acid and protein homologs and uses thereof](#)
- 7422883- [Map kinase integrin-binding domain](#)
- 7425253- [Microscale sorting cytometer](#)
- 7482138- [PAK5-related compositions and methods](#)
- 7488792- [Collagen-binding molecules that selectively home to tumor vasculature and methods of using same](#)
- 7544465- [Methods and compositions for monitoring cell migration and identifying clinically relevant cytotoxic T lymphocyte activity](#)
- 7547760- [Peptides and chemical compound for inhibition of SHP2 function](#)
- 7553950- [Chondroitinase ABC I polynucleotides](#)
- 7563584- [Methods and compositions for detecting the activation state of multiple proteins in single cells](#)
- 7572447- [Methods and compositions for selective modulation of vascularization](#)
- 7575886- [Analysis of sulfated polysaccharides](#)
- 7585642- [Methods for evaluating the quality of a heparin sample](#)
- 7589080- [.beta.-cyclodextrin compositions, and use to prevent transmission of sexually transmitted diseases](#)
- 7592152- [Chondroitinase ABC I and methods of analyzing therewith](#)
- 7601693- [Composition for treating cancer and use thereof](#)
- 7531556- [Compositions useful as inhibitors of rock and other protein kinases](#)
- 7531318- [Screening of agents for activity against ischemic myocardial insults](#)
- 7524638- [Methods for identification of modulators of OSGPR114 or OSGPR78 activity, and their use in the treatment of disease](#)
- 7494784- [Method of treating cell-migration conditions or diseases](#)
- 7498416- [Antibodies that block receptor protein tyrosine kinase activation, methods of screening for and uses thereof](#)
- 7504247- [2-O sulfatase compositions and methods of degradation therewith](#)
- 7507570- [Recombinant chondroitinase ABC I and uses thereof](#)
- 7507826- [Azaindoles useful as inhibitors of JAK and other protein kinases](#)
- 7514432- [Compounds and methods of treating cell proliferative diseases, retinopathies and arthritis](#)
- 7514448- [Azaindoles useful as inhibitors of rock and other protein kinases](#)
- 7514594- [Transgenic animal model of bone mass modulation](#)
- 7517654- [Peptide and a derivative thereof promoting cell adhesion and spreading](#)
- 7521446- [Haloaryl substituted aminopurines, compositions thereof, and methods of treatment therewith](#)
- 7604799- [EphA4 Antibodies](#)

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