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& http://watervase.org

EDUCATION

1997	Ph.D., Harvard University, Cambridge, Massachusetts
1992	M.A., Biochemistry and Molecular Biology, University of California, Santa Barbara, California
1990	B.A., Biochemistry, Aquatic Biology, University of California, Santa Barbara, California
1985–1989	Reed College, Portland, Oregon

PROFESSIONAL EXPERIENCE

2016–present	Research Scientist/Research & Grants Advisor, New York Health + Hospitals, Research Administration & Data Sciences Research Center
2015–present	Clinical Researcher with Dr. Alan Sacerdote, Division of Endocrinology, Woodhull Medical Center and New York University Medical Center, New York
2008–2015	Associate Professor of Chemistry, University of Connecticut, Storrs, Connecticut
2008–2015	Faculty, Graduate Program in the Cell Biology, University of Connecticut, Storrs, Connecticut
2008–2015	Co-Director, University of Connecticut High Throughput Screening Facility, Storrs, Connecticut
2007–2015	Member of the Structural Biology Partnership, University of Connecticut, Storrs, Connecticut
2006–2008	Assistant Professor of Chemistry, University of Connecticut, Storrs, Connecticut
2000–2006	Assistant Professor of Chemistry, University of Illinois, Chicago, Illinois
1997–2000	Life Sciences Research Foundation Postdoctoral Fellow, Harvard Medical School, Boston, Massachusetts

WEB WORK

1999–2015 Creator and maintainer, The Virtual Library of Biochemistry, Molecular Biology and Cell Biology, http://biochemweb.net
1999–2000 Creator and maintainer, Division of Experimental Medicine/Cell Biology Group Website, Brigham and Women's Hospital, Harvard Medical School, http://expmed.bwh.harvard.edu (now defunct)
1999–2000 Creator and maintainer, Division of Hematology Website, Brigham and Women's Hospital, Harvard Medical School, http://hematology.bwh.harvard.edu (now defunct)

AWARDS AND HONORS

2007 University of Connecticut Undergraduate Student Government Educator of the Year Nominee
2002–2006 American Cancer Society Research Scholar
1999–2000 Life Sciences Research Foundation Postdoctoral Fellowship
1999 National Institutes of Health Postdoctoral Fellowship (Declined)
1999 American Lung Association Postdoctoral Fellowship (Declined)
1991–1994 National Defense Science and Engineering Graduate Fellowship
1990 Election to Phi Beta Kappa
1990 Election to Golden Key National Honor Society
1985 Alice Tweed Tuohy Honors Scholarship, Scholarship Foundation of Santa Barbara

RESEARCH SUPPORT

Pending Grants

R01AT009703, Fenteany, G. (PI) 09/01/2017–08/30/2022
National Institutes of Health (NCCIH)
Mindfulness Practice to Modulate the Health and Function of the Hypothalamic-Pituitary-Thyroid System
Role: PI Amount: $1,825,000

Awarded Grants

R01GM077622, Fenteany, G. (PI), 06/01/2006–05/31/2011 (No-cost extension to 05/31/2013)
National Institutes of Health (NIGMS)
Mechanism of Action of New Inhibitors of Cell Migration
Role: PI Amount: $1,295,000

R01GM077622 Supplement, Fenteany, G. (PI), 01/01/2008–05/31/2011
National Institutes of Health (NIGMS)
Research Supplements to Promote Diversity in Health-Related Research
Role: PI Amount: $175,252

R01GM077622 Supplement, Fenteany, G. (PI), 09/11/2009–08/31/2010 (No-cost extension to

08/31/2012)
National Institutes of Health (NIGMS)
Mechanism of Action of New Inhibitors of Cell Migration
Role: PI Amount: $200,451

Summer Undergraduate Research Fellowship, Lincoln, S.T (Awardee), 06/2011–08/2011
University of Connecticut
Role: PI Amount: $3,990

Summer Undergraduate Research Fellowship, Minutolo, N. (Awardee), 06/2011–08/2011
University of Connecticut
Role: Co-PI with David Knecht Amount: $4,000

University of Connecticut Major Research Equipment Award, Hadden, K. (PI), 10/22/2010
UConn High-Throughput Screening Center
Role: Key Personnel Amount: $221,530

Summer Undergraduate Research Fellowship, Heyse, S.A. (Awardee), 06/2010–08/2010
University of Connecticut
Role: PI Amount: $2,500

University of Connecticut Intermediate Research Equipment Award, Yao, X. (PI), 12/11/2009
Nano Liquid Chromatography System
Role: Key Personnel Amount: $99,000

UCHC/Storrs and Regional Campus Incentive Grant, Wright, D. (PI), 09/01/2008–08/31/2009
A High Throughput Screen (HTS) to Identify Novel Anti-Cancer Agents
Role: Co-PI Amount: $50,000

Summer Undergraduate Research Fellowship, Morse, P.D. (Awardee), 06/2009–08/2009
University of Connecticut
Role: PI Amount: $3,000

Partnership for Excellence in Structural Biology Research Fellowship
University of Connecticut Partnership for Excellence in Structural Biology
Fenteany, G. (PI); Alexandrescu, A.T. (Co-Investigator), 01/01/2008–05/31/2008
Role: PI Amount: $12,735

Partnership for Excellence in Structural Biology Research Fellowship
University of Connecticut Partnership for Excellence in Structural Biology
Gascón, J.A. (PI); Fenteany, G. (Co-Investigator), 08/01/2008–12/31/2007
Role: Co-Investigator Amount: $12,735

Summer Undergraduate Research Fellowship, Drozdowicz, L.B. (Awardee), 06/2007–08/2007
University of Connecticut
Role: PI Amount: $3,000

0722948 (Major Research Instrumentation), Knecht, D.A. (PI), 09/01/2007
National Science Foundation
Acquisition of a Confocal Live Cell Imaging System
Role: Sr. Personnel Amount: $367,305

RSG-02-250-01-DDC, Fenteany, G. (PI), 07/01/2002–06/30/2006
American Cancer Society
Probes to Study and Control Cell Motility and Morphogenesis
Role: PI Amount: $650,000

R21CA95177, Fenteany, G. (PI), 04/01/2002–03/31/2003
National Institutes of Health (NCI)
Discovery of Drug Targets Controlling Cell Motility
Role: PI Amount: $148,573

Campus Research Board Grant, Fenteany, G. (PI), 07/01/2001–06/30/2002
University of Illinois
Small Organic Molecules to Study and Control Cell Motility
Role: PI Amount: $15,000

0091994 (Major Research Instrumentation), Keiderling, T.A (PI), 02/15/2001
National Science Foundation
Purchase of a Departmental Stopped-Flow Equipped Circular Dichroism Spectrometer
Role: Co-Investigator Amount: $112,572

PEER-REVIEWED PUBLICATIONS

Magpusao, A.N.; Omolloh, G.; Johnson, J.; Gascón, J.; Peczuh, M.W.; Fenteany, G. Cardiac glycoside activities link Na(+)/K(+) ATPase ion-transport to breast cancer cell migration via correlative SAR. *ACS Chem. Biol.* **2015**, *10(2)*, 561-569.

Eddy, N.A.; Richardson, J.J.; Fenteany, G. The effect of Lewis acids on the cycloaddition of 3,3,6-trimethylcyclohex-5-ene-1,2,4-trione: hydrogen transfer versus cycloaddition with cyclopentadiene. *Eur. J. Org. Chem.* **2013,** *2013 (23)*, 5041-5044.

Clark, A.G.; Sider, J.R.; Verbrugghe, K.; Fenteany, G.; von Dassow, G.; Bement, W.M. Identification of small molecule inhibitors of cytokinesis and single cell wound repair. *Cytoskeleton* **2012**, *69*, 1010-1020.

Rudnitskaya, A.N.; Eddy, N.A.; Fenteany, G.; Gascón, J.A. Recognition and reactivity in the binding between Raf kinase inhibitor protein and its small-molecule inhibitor locostatin. *J. Phys. Chem. B.* **2012**, *116*, 10176-10181.

Ren, G.; Baritaki, S.; Marathe, H.; Feng, J.; Park, S.; Beach, S.; Bazeley, P.S.; Beshir, A.B.; Fenteany, G.; Mehra, R.; Daignault, S.; Al Mulla, F.; Keller, E.; Bonavida, B.; de la Serna, I.; Yeung, K.C. Polycomb protein EZH2 regulates tumor invasion via the transcriptional repression of the metastasis suppressor RKIP in breast and prostate cancer. *Cancer Res.* **2012**, *72*, 3091-3104.

Eddy, N.A.; Kelly, C.B.; Mercadante, M.A.; Leadbeater, N.E.; Fenteany, G. Access to dienophilic ene-triketone synthons by oxidation of diketones with an oxoammonium salt. *Org. Lett.* **2012**, *14*, 498-501.

Eddy, N.A.; Morse, P.D.; Morton, M.D.; Fenteany, G. Synthesis of oxazolidinone and tosyl enamines by tertiary amine catalysis. *Synlett* **2011**, *5*, 699-701.

Beshir, A.B.; Argueta, C.E.; Menikarachchi, L.C.; Gascón, J.A.; Fenteany, G. Locostatin disrupts association of Raf kinase inhibitor protein with binding proteins by modifying a conserved histidine residue in the ligand-binding pocket. *Forum Immunopath. Dis. Ther.* **2011**, *2*, 47-58.

Wang, Z.; Castellano, S.; Kinderman, S.S.; Argueta, C.E.; Beshir, A.B.; Fenteany, G.; Kwon, O. Diversity through a branched reaction pathway: generation of a library of sixteen multicyclic scaffolds and identification of antimigratory agents. *Chem. Eur. J.* **2011**, *17*, 649-654.

Beshir, A.B.; Ren, G.; Magpusao, A.N.; Barone, L.M.; Yeung, K.C.; Fenteany, G. Raf kinase inhibitor protein suppresses nuclear factor-κB-dependent cancer cell invasion through negative regulation of matrix metalloproteinase expression. *Cancer Lett.* **2010**, *299*, 137-149.

Knecht, D.A.; LaFleur, R.; Kahsai, A.W.; Argueta, C.E.; Beshir, A.B.; Fenteany, G. Cucurbitacin I inhibits cell motility by indirectly interfering with actin dynamics. *PLoS ONE* **2010**, *5*, e14039.

Magpusao, A.N.; Desmond, R.; Billings, K.J.; Fenteany, G.; Peczuh, M.W. Synthesis and evaluation of antimigratory and antiproliferative activities of lipid-linked [13]-macro-dilactones. *Bioorg. Med. Chem. Lett.* **2010**, *20*, 5472-5476.

Kahsai, A.W.; Zhu, S.; Fenteany, G. G protein-coupled receptor kinase 2 activates radixin, regulating membrane protrusion and motility in epithelial cells. *Biochim. Biophys. Acta* **2010**, *1803*, 300-310.

Ménoret, A.; McAleer, J.P.; Ngoi, S.-M.; Ray, S.; Eddy, N.A.; Fenteany, G.; Lee, S.-J.; Rossi, R.J.; Mukherji, B.; Allen, D.L.; Chakraborty, N.G.; Vella, A.T. The oxazolidinone derivative locostatin induces cytokine appeasement. *J. Immunol.* **2009**, *183*, 7489-7496.

Kahsai, A.W.; Cui, J.; Kaniskan, H.Ü.; Garner, P.P.; Fenteany, G. Analogs of tetrahydroisoquinoline natural products that inhibit cell migration and target galectin-3 outside of its carbohydrate-binding site. *J. Biol. Chem.* **2008**, *283*, 24534-24545.

Beshir, A.B.; Guchhait, S.K.; Gascon, J.A.; Fenteany, G. Synthesis and structure–activity relationships of metal–ligand complexes that potently inhibit cell migration. *Bioorg. Med. Chem. Lett.* **2008**, *18*, 498-504.

Mc Henry, K.T.; Montesano, R.; Zhu, S.; Beshir, A.B.; Tang, H.H.; Yeung, K.C.; Fenteany, G. Raf kinase inhibitor protein positively regulates cell–substratum adhesion while negatively regulating cell–cell adhesion. *J. Cell. Biochem.* **2008**, *103*, 972–985.

Kahsai, A.W.; Zhu, S.; Wardrop, D.J.; Lane, W.S.; Fenteany, G. Quinocarmycin analog DX-52-1 inhibits cell migration and targets radixin, disrupting interactions of radixin with actin and CD44. *Chem. Biol.* **2006**, *13*, 973-983.

Farooqui, R.; Zhu, S.; Fenteany, G. Glycogen synthase kinase-3 acts upstream of ADP-ribosylation factor 6 and Rac1 to regulate epithelial cell migration. *Exp. Cell Res.* **2006**, *312*, 1514-1525.

Stossel, T.P.; Fenteany, G.; Hartwig, J.H. Cell surface actin remodeling. *J. Cell Sci.* **2006**, *119*, 3261-3264.

Zhu, S.; Mc Henry, K.T.; Lane, W.S.; Fenteany, G. A chemical inhibitor reveals the role of Raf kinase inhibitor protein in cell migration. *Chem. Biol.* **2005**, *12*, 981-991.

Farooqui, R.; Fenteany, G. Multiple rows of cells behind an epithelial wound edge extend cryptic lamellipodia to collectively drive cell-sheet movement. *J. Cell Sci.* **2005**, *118*, 51-63.

Altan, Z.M.; Fenteany, G. c-Jun N-terminal kinase regulates lamellipodial protrusion and cell sheet migration during epithelial wound closure by a gene expression-independent mechanism. *Biochem. Biophys. Res. Commun.* **2004**, *322*, 56-67.

Fenteany, G.; Glogauer, M. Cytoskeletal remodeling in leukocyte function. *Curr. Opin. Hematol.* **2004**, *11*, 15–24.

Ankala, S.V.; Fenteany, G. Aryl, alkyl bis-silyl ethers: rapid access to monoprotected aryl alkyl and biaryl ethers. *Synlett* **2003**, *6*, 825-828.

Fenteany, G.; Zhu, S. Small-molecule inhibitors of actin dynamics and cell motility. *Curr. Topics Med. Chem.* **2003**, *3*, 593-616.

Mc Henry, K.T.; Ankala, S.V.; Ghosh, A.K.; Fenteany, G. A non-antibacterial oxazolidinone derivative that inhibits epithelial cell sheet migration. *ChemBioChem* **2002**, *3*, 1105-1111.

Ankala, S.V.; Fenteany, G. Selective deprotection of either aryl or alkyl silyl ethers from aryl, alkyl bis-silyl ethers. *Tetrahedron Lett.* **2002**, *43*, 4729-4732.

Fenteany, G.; Janmey, P.A.; Stossel, T.P. Signaling pathways and cell mechanics involved in wound closure by epithelial cell sheets. *Curr. Biol.* **2000**, *10*, 831-838.

Corey, E.J.; Li, W.Z.; Nagamitsu, T.; Fenteany, G. The structural requirements for inhibition of proteasome function by the lactacystin-derived β-lactone and synthetic analogs. *Tetrahedron* **1999**, *55*, 3305-3316.

Fenteany, G.; Schreiber, S.L. Lactacystin, proteasome function, and cell fate. *J. Biol. Chem.* **1998**, *273*, 8545-8548.

Degnan, B.M.; Degnan, S.M.; Fenteany, G.; Morse, D.E. A Mox homeobox gene in the gastropod mollusc *Haliotis rufescens* is differentially expressed during larval morphogenesis and metamorphosis. *FEBS Lett.* **1997**, *411*, 119–122.

Craiu, A.; Gaczynska, M.; Akopian, T.; Gramm, C.F.; Fenteany, G.; Goldberg, A.L.; Rock, K.L. Lactacystin and clasto-lactacystin β-lactone modify multiple proteasome β-subunits and inhibit intracellular protein degradation and major histocompatibility complex class I antigen presentation. *J. Biol. Chem.* **1997**, *272*, 13437-13445.

Fenteany, G.; Schreiber, S.L. Specific inhibition of the chymotrypsin-like activity of the proteasome induces a bipolar morphology in neuroblastoma cells. *Chem. Biol.* **1996**, *3*, 905-912.

Fenteany, G.; Standaert, R.F.; Lane, W.S.; Choi, S.; Corey, E.J.; Schreiber, S.L. Inhibition of proteasome activities and subunit-specific amino-terminal threonine modification by lactacystin. *Science* **1995**, *268*, 726-731.

Fenteany, G.; Standaert, R.F.; Reichard, G.A.; Corey, E.J.; Schreiber, S.L. A β-lactone related to lactacystin induces neurite outgrowth in a neuroblastoma cell line and inhibits cell cycle progression in an osteosarcoma cell line. *Proc. Natl. Acad. Sci. USA* **1994**, *91*, 3358-3362.

Fenteany, G.; Morse, D.E. Specific inhibitors of protein synthesis do not block RNA synthesis or settlement of planktonic larvae in a marine gastropod mollusc (*Haliotis rufescens*). *Biol. Bull.* **1993**, *184*, 6-14.

THESES

Fenteany, G. Lactacystin, Proteasome Function and Cell Morphology. Unpublished Doctoral Dissertation, Harvard University, 1997.

Fenteany, G. Antibiotic Inhibitors of Protein Synthesis: Relative Efficacy in Larvae of *Haliotis rufescens* (Gastropod Mollusc) and Effects on Larval Settling Behavior. Unpublished Master's Thesis, University of California, Santa Barbara, 1992.

INVITED SEMINARS

04/10/2011 Chemical Biology of Cell Motility, Department of Chemistry, Connecticut College

04/03/2011 Chemical Biology of Cell Motility, Department of Medicinal Chemistry, College of Pharmacy, University of Minnesota

04/09/2010 Chemical Approaches to Understanding and Controlling Cell Migration, Department of Chemistry, Brown University, Providence, Rhode Island.

03/18/2010–03/20/2010 Interactions of Raf Kinase Inhibitor Protein with Natural and Unnatural Binding Partners, First International Workshop on Prognostic and Therapeutic Applications of RKIP in Cancer, University of California, Los Angeles, Los Angeles, California.

04/23/2009 Chemical Approaches to Understanding and Controlling Cell Migration, Center for Cell Analysis and Modeling, University of Connecticut Health Center, Connecticut.

03/01/2009–03/04/2009 Indo-American Frontiers of Science Symposium (Indo-U.S. Science and Technology Forum and U.S. National Academy of Sciences), Agra, India.

04/06/2008 Chemical Approaches to Understanding and Controlling Cell Migration, Department of Chemistry, Washington State University, Pullman, Washington.

12/05/2007 Chemical Biology of Cell Motility, Department of Pharmaceutical Sciences, School of Pharmacy, University of Connecticut, Storrs, Connecticut.

12/04/2007 Identification of Small-Molecule Modulators of Cell Migration, American Society for Cell Biology 47th Annual Meeting, Washington, D.C.

10/04/2007 Chemical Biology of Cell Motility, Department of Molecular and Cellular Biology, University of Connecticut, Storrs, Connecticut.

09/27/2007 Chemical Biology of Cell Motility, Department of Biochemistry and Cancer Biology, College of Medicine, University of Toledo, Toledo, Ohio.

09/12/2007 Chemical Approaches to Understanding and Controlling Cell Migration, Department of Physiology and Neurobiology, University of Connecticut, Storrs, Connecticut.

04/14/2006 Chemical Approaches to Understanding and Controlling Wound Healing. University of Wisconsin-Madison, Wisconsin.

02/09/2006 Chemical Approaches to Studying Cell Migration. Department of Chemistry, Case Western Reserve University, Cleveland, Ohio.

02/08/2006 Chemical Approaches to Studying Cell Migration. Department of Chemistry, John Carroll University, University Heights, Ohio.

10/05/2005 Chemical Approaches to Understanding Cell Migration. Frontiers of GI Research Seminar, College of Medicine, University of Illinois, Chicago, Illinois.

08/10/2005 Chemical Proteomics: Deciphering Protein Function. Technical Scientific Workshop Series. Boston, Massachusetts.

05/21/2005 Discovery of Compounds Affecting Cell Movement using High Throughput Screening. 2005 Annual Meeting of the Wound Healing Society, Chicago, Illinois.

05/13/2005 Chemical Approaches to Understanding Cell Migration. Department of Chemistry, University of California, Irvine, California.

03/31/2005 Chemical Approaches to Understanding Cell Migration. Department of Chemistry, University of Illinois, Urbana-Champaign, Illinois.

03/06/2005 Chemical Approaches to Understanding and Controlling Cell Migration. Department of Chemistry, University of Connecticut, Storrs, Connecticut.

02/01/2005 Chemical Approaches to Understanding Cell Migration. Department of Molecular Physiology and Biophysics, Baylor College of Medicine, Houston, Texas.

11/10/2004 Chemical Approaches to Understanding Cell Migration. Department of Biological, Chemical and Physical Sciences, Illinois Institute of Technology, Chicago, Illinois.

09/29/2004 Chemical Approaches to Understanding Cell Motility and Morphogenesis. Department of Pharmaceutical Sciences, University of Michigan, Ann Arbor, Michigan.

07/23/2004 Molecular Control of Actin Polymerization. Department of Physics, Brown University, Providence, Rhode Island.

09/17/2003 Chemical Approaches to Understanding Cell Motility. Department of Pharmacology, University of Illinois, Chicago, Illinois.

02/18/2003 Chemical Approaches to Understanding Cell Motility. Department of Chemistry, University of Illinois, Chicago, Illinois.

02/07/2003 Chemical Approaches to Understanding Cell Motility. Department of Medicinal Chemistry and Pharmacognosy, University of Illinois, Chicago, Illinois.

10/18/2002 Chemical Approaches to Understanding Cell Motility. Chicago Cytoskeleton Conference, Chicago, Illinois.

10/29/1999-10/31/1999 Mechanism and Mechanics of Wound Closure by Epithelial Cell Sheets, Life Sciences Research Foundation Annual Meeting, Dallas, Texas.

10/15/1999 What the Web Can Do for the Bioscientist. First Joint Biomedical Engineering Society/Engineering in Medicine and Biology Society (BMES/EMBS) Conference, Atlanta, Georgia.

07/21/1998 Mechanism and Mechanics of Wound Closure by Epithelial Cell Sheets, Department of Biology, University of Virginia, Charlottesville, Virginia.

POSTER PRESENTATIONS AT MEETINGS

03/02/2009 Fenteany, G. Chemical Approaches to Understanding and Controlling Cell Migration. Indo-American Frontiers of Science Symposium (Indo-U.S. Science and Technology Forum and U.S. National Academy of Sciences), Agra, India.

12/04/2007 Kahsai, A.W.; Zhu, S.; Wardrop, D.J.; Lane, W.S.; Fenteany, G. Quinocarmycin Analog DX-52-1 Inhibits Cell Migration and Targets Radixin, Disrupting Interactions of Radixin with Actin and CD44. American Society for Cell Biology 47th Annual Meeting, Washington, D.C.

08/20/2007 Kahsai, A.W.; Zhu, S.; Wardrop, D.J.; Lane, W.S.; Fenteany, G. Quinocarmycin Analog DX-52-1 Inhibits Cell Migration and Targets Radixin, Disrupting Interactions of Radixin with Actin and CD44. American Chemical Society 234th National Meeting, Boston, Massachusetts.

05/27/2007–06/01/2007 Mc Henry, K.T.; Montesano, R.; Zhu, S.; Beshir, A.B.; Tang, H.-H.; Yeung, K.; Fenteany, G. Raf Kinase Inhibitor Protein Positively Regulates Cell-Substratum Adhesion while Negatively Regulating Cell-Cell Adhesion. Gordon Research Conference, Cell Contact and Adhesion, Lucca (Barga), Italy.

12/14/2005 Zhu, S.; Mc Henry, K.T.; Fenteany, G. A New Positive Role for Raf Kinase Inhibitor Protein in Epithelial Cell Migration. American Society for Cell Biology 45th Annual Meeting, San Francisco, California.

12/12/2005 Farooqui, R.; Fenteany, G. Collective Migration of Epithelial Cells. American Society for Cell Biology 45th Annual Meeting, San Francisco, California.

10/15/2004 Farooqui, R.; Fenteany, G. Multiple Rows of Cells behind an Epithelial Wound Edge Extend Cryptic Lamellipodia to Collectively Drive Cell Sheet Movement While Maintaining Cell-Cell Contacts. Cytoskeleton in Health and Disease Symposium, Northwestern University, Chicago, Illinois.

10/17/2003 Fenteany, G. Chemical Approaches to Understanding Cell Motility and Morphogenesis. Cytoskeleton in Health and Disease Symposium, Northwestern University, Chicago, Illinois.

06/29/2003–07/04/2003 Fenteany, G. Chemical Approaches to Understanding Cell Motility. Gordon Research Conference, Motile and Contractile Systems, Colby-Sawyer College, New London, New Hampshire.

06/17/2001–06/22/2001 Fenteany, G. Pharmacological Dissection of the Mechanisms of Cell Sheet Migration and Embryonic Tissue Morphogenesis. Gordon Research Conference, Tissue Repair and Regeneration, Colby-Sawyer College, New London, New Hampshire.

PUBLISHED MEETING ABSTRACTS

Rudnitskaya, A.N.; Menikarachchi, L.C.; Fenteany, G.; Gascón, J.A. Mechanistic study of the reaction between locostatin and Raf kinase inhibitor protein (RKIP). *Abstracts of Papers of the American Chemical Society* **2011**, *242*, 199-COMP.

Abraham, S.T.; Moody C.I.; Fenteany, G. Raf-1 kinase inhibitor protein regulates migration of vascular smooth muscle cells independent of ERK-MAP kinase. *FASEB J.* **2007**, *21*, A1441.

Fenteany, G. What the Web can do for the bioscientist. *Proceedings of the First Joint BMES/EMBS Conference.* **1999**, 1203.

Corey, E.J.; Reichard, G.A.; Li, W.Z.; Choi, S.; Nagamitsu, T.; Fenteany, G.; Schreiber, S.L. Synthetic and biological studies with lactacystin and analogs. *Abstracts of Papers of the American Chemical Society* **1998**, *216*, 500-ORGN, Part 2.

Criau, A.; Gaczynska, M.; Akopian, T.; Gramm, C.F.; Fenteany, G.; Goldberg, A.L. Rock, K.L. Lactacystin modifies multiple proteasome β subunits and blocks intracellular protein degradation and major histocompatibility class I antigen presentation, facilitating analysis of processing pathways. *J. Allergy Clin. Immun.* **1997**, *99*. 1030.

Rock, K.L.; Criau, A.; Gaczynska, M.; Akopian, T.; Fenteany, G.; Goldberg, A.L. How peptides are generated for MHC class I antigen presentation. *FASEB J.* **1997**, *11*, A860.

PATENTS

Compound libraries made through phosphine-catalyzed annulation/Tebbe/Diels-Alder reactions
US 8624032
Publication date: Jan. 7, 2014
Filing date: Nov. 9, 2012
Priority date: Nov. 9, 2011
Also published as: US20130143916
Inventors: Ohyun Kwon, Gabriel Fenteany

Inhibitors of animal cell motility and growth
US 7390826
Publication date: Jun. 24, 2008
Filing date: Oct. 26, 2005
Priority date: Jun. 12, 2002
Also published as: US20030236290, US20060063935, WO2003106437A1
Inventors: Gabriel Fenteany, Arun K. Ghosh, Kevin McHenry, Sudha Ankala, Sarosh Anjum, Shoutian Zhu

Lactacystin analogs
US 6645999
PCT number: PCT/US1996/005072
Publication date: Nov. 11, 2003
Filing date: Apr. 12, 1996
Also published as: CA2217817A1, CN1151787C, CN1187769A, DE69636902D1, DE69636902T2, EP0820283A1, EP0820283A4, EP0820283B1, US5756764, US6147223, US6214862, US6335358, US6458825, WO1996032105A1
Inventors: Stuart L. Schreiber, Robert F. Standaert, Gabriel Fenteany, Timothy F. Jamison

MENTORSHIP

Postdoctoral Fellows: Sudha V. Ankala (Principal Scientist, CoMentis), Bharat R. Bhattarai (Owner, Kathmandu Restaurant, Storrs, CT), Hari Gobburu (Associate Director of Global Sourcing, Eli Lilly), Nicholas A. Eddy (Visiting Assistant Professor), Sankar K. Guchhait (Assistant Professor, National Institute of Pharmaceutical Education and Research, India), Satyendra Mishra (postdoctoral fellow at University of Minnesota), Babajide Okandeji (Staff Scientist, Waters Corporation)

Ph.D. Students: Z. Melis Altan (Scientific Sales Consultant, Beckman Coulter, formerly postdoctoral fellow at Merck Serono), Christian E. Argueta (postdoctoral fellow at Brigham and Women's Hospital), Anwar B. Beshir (Assistant Professor in Residence, University of Connecticut), Alem W. Kahsai (postdoctoral fellow at Duke University with Prof. Robert J. Lefkowitz), Rizwan Farooqui (Senior Product Marketing Manager, Infection Prevention at CareFusion), Anniefer N. Magpusao (joint with Prof. Mark W. Peczuh), Kevin T. Mc Henry (Oncology Medical Science Liaison, AstraZeneca, formerly postdoctoral fellow at Novartis Pharmaceuticals), Matthew L. Rotondi (University of Texas Health Sciences Center), Shoutian Zhu (principal investigator at the California Institute for Biomedical Research (Calibr), formerly postdoctoral fellow with Prof. Peter G. Schultz)

M.S. Students*:* Sarosh Anjum (Project Manager, Perceptive Informatics), Junru Cui (research assistant at University of Connecticut), Priscillia K. Uba-Oyibo, Michael T. Otley (postdoctoral fellow at Northwestern University), Donghui Song (research assistant, University of Connecticut)

Undergraduates: Linda B. Drozdowicz (went on to medical studies at the Mayo Clinic College of Medicine), Angel Fung, Daniel J. Hagen, Jenaya L. Goldwag, Shannon A. Heyse (went on to graduate studies at Boston University), Mateusz Hoppe (summer REU student), Kristi Kearney, Stephen T. Lincoln, Joseph Lucas (summer REU student), Denise D. Maniakouras, Peter D. Morse (went on to graduate studies at UNC, Chapel Hill), Mark A. O'Brien, Jay Richardson, Amanda L. Soohoo (went on to graduate studies at Carnegie Mellon University), Anna A. Weiss (went on to graduate studies at Northwestern University and Loyola University, Chicago), Yekaterina Zavgorodniy

Technicians: Anna A. Weiss (went on to graduate studies at Northwestern University and Loyola University, Chicago)

High School Students (Sponsored by the American Cancer Society): Mingzhu He (went on to undergraduate studies at the University of Chicago), Alan Vuong (went on to undergraduate studies at the University of Chicago)

Theses of Mentored Ph.D. Students

Altan, Z.M. The Role of the c-Jun N-Terminal Kinase Pathway in Epithelial Cell Sheet Migration. Unpublished Doctoral Dissertation, University of Illinois, Chicago, 2006.

Beshir, A.B. Small-Molecule Inhibitors and Their Molecular Targets. Unpublished Doctoral Dissertation, University of Connecticut, 2009.

Farooqui, R. Mechanics and Mechanism of Epithelial Cell Sheet Migration. Unpublished Doctoral Dissertation, University of Illinois, Chicago, 2006.

Kahsai, A.W. Mechanism of Action of the Cell Migration Inhibitor Quinocarmycin Analog DX-52-1. Unpublished Doctoral Dissertation, University of Connecticut, 2008.

Mc Henry, K.T. Discovery of Locostatin: A Small-Molecule Inhibitor of Cell Migration and Adhesion. Unpublished Doctoral Dissertation, University of Illinois, Chicago, 2006.

Zhu, S. Chemical Genetics Approach Reveals the Role of Raf Kinase Inhibitor Protein in Cell Migration. Unpublished Doctoral Dissertation, University of Illinois, Chicago, 2006.

PROFESSIONAL SERVICE

Scientific Committee Service

2010 Evaluation of External Faculty Tenure Case
2003–2006 American Cancer Society Illinois Division Research Advisory Committee
01/19/2005 Multiple Myeloma Research Foundation/Multiple Myeloma Research Consortium Scientific Advisors Summit Participant

Editor for Scientific Journal

2011–Present Academic Editor, PLoS ONE

Reviewer for Scientific Journals (with number of reviews for each)

ACS Chemical Biology (3)
African Journal of Microbiology Research (1)
Biophysical Journal (5)
Bioorganic and Medicinal Chemistry (4)
Bioorganic and Medicinal Chemistry Letters (13)
BioTechniques (1)
Blood (1)
Briefings in Bioinformatics (1)
ChemBioChem (7)
Chemical Research in Toxicology (1)
Chemistry and Biology (11)
Chemistry – A European Journal (2)
Current Medicinal Chemistry (1)
Current Topics in Medicinal Chemistry (1)
European Journal of Medicinal Chemistry (3)
Experimental Cell Research (8)
Expert Opinion on Investigational Drugs (1)
FEBS Letters (1)
IBM Journal of Research and Development (1)
Inorganic Chemical Communications (1)
International Journal of Molecular Sciences (2)
Journal of Enzyme Inhibition and Medicinal Chemistry (1)
Journal of the American Chemical Society (7)
Journal of Cellular Biochemistry (1)
Journal of Cell Science (9)
Journal of Clinical Investigation (1)
Journal of Clinical Pathology (1)
Journal of Neuroscience (1)
Journal of Neuroscience Methods (1)
Journal of Pathology (1)
Journal of Pharmacological and Toxicological Methods (1)

Laboratory Investigation (1)
Neoplasia (1)
Oncogene (1)
Organic Letters (2)
PLoS ONE (4)
Polyhedron (6)
Protein Science (1)
Medicinal Chemistry Reviews – Online (1)
Molecular BioSystems (1)
Molecular and Cellular Biochemistry (1)
Nucleosides, Nucleotides and Nucleic Acids (1)
Phosphorus, Sulfur, and Silicon (1)
Proceedings of the National Academy of Sciences USA (1)
Spectrochimica Acta Part A: Molecular and Biomolecular Spectroscopy (2)
Synlett (1)
Tumor Biology (1)

Reviewer of Scientific Research Proposals

2011	National Science Foundation – Division of Chemistry
2009	National Institutes of Health – Synthetic and Biological Chemistry B Study Section, *Ad Hoc* Member
2009	National Science Foundation – Integrative Organismal Systems – Animal Developmental Mechanisms
2009	National Institutes of Health, Stage 1 Reviewer for RC1 Challenge Grants
2008	National Science Foundation – Molecular and Cellular Biosciences
2008	American Heart Association Bioengineering 2 Peer Review Study Group
2007	National Science Foundation – Molecular and Cellular Biosciences
2006	National Institutes of Health – Synthetic and Biological Chemistry B Study Section, *Ad Hoc* Member
2003–2006	American Cancer Society
2003	Vahlteich Endowment Research Fund

Miscellaneous

2005–2009 Faculty of 1000 Member, "Chemical Biology of the Cell" Section of the Chemical Biology Faculty. Section heads: Kevan Shokat and Roger Tsien.
2006–2007 Product Evaluator for Platypus Technologies, LLC, Madison, Wisconsin (evaluation of new high-throughput cell migration assays)

PROFESSIONAL MEMBERSHIPS

American Chemical Society
American Society for Biochemistry and Molecular Biology
American Society for Cell Biology

UNIVERSITY SERVICE

Undergraduate

2007–present Advisory Board Member, Office of Undergraduate Research, University of Connecticut
2004–2006 Phi Beta Kappa Election Committee, University of Illinois, Chicago
2002–2006 Faculty Advisor, Honor's College, University of Illinois, Chicago

M.S. Thesis Advisory Committees

2010 Ronald Ramsubhag (Organic Chemistry)
2008 Pedro Daddario (Organic Chemistry)
2007 Hua Yang (Analytical Chemistry)
2004 Mignon Hernreiter (Biochemistry)

Ph.D. Thesis Advisory Committees

2010 Megan Nollenberger (Biological Chemistry)
2009 Anwar Beshir (Biological Chemistry), Jaideep Shah (Organic Chemistry)
2009 Wesley Fyvie (Organic Chemistry)
2008 Steve Castro (Organic Chemistry), Alem Kahsai (Biological Chemistry)
2007 Amber Onorato (Organic Chemistry), Alexis Ramos (Analytical Chemistry), Jaideep Shah (Organic Chemistry)
2006 Z. Melis Altan (Biochemistry), Rizwan Farooqui (Biochemistry), Kevin T. Mc Henry (Biochemistry), Shoutian Zhu (Biochemistry)
2005 Jennifer Barber-Singh (Analytical Chemistry), Sumith Kottegoda (Analytical Chemistry), John Rafter (Biochemistry)
2004 Pierre Daublain (Organic Chemistry), Leyi Gao (Analytical Chemistry), Youngjun Kim (Biochemistry), Xiayan Zhao (Analytical Chemistry)
2003 Bharath Ananthanarayanan (Biochemistry), Sudipto Das (Biochemistry), Michele Digman (Biochemistry), Robert Stahelin (Biochemistry), Wenming Zhang (Organic Chemistry)
2002 Martina Bertsch (Biochemistry), Geoff Bilcer (Organic Chemistry), Kathleen Mandell (Biochemistry), Dongwoo Shin (Organic Chemistry)
2001 Layne Morsch (Organic Chemistry), Daniel Stanford (Organic Chemistry), Michael Whiteside (Biochemistry)

Search Committees

2011 Molecular and Cell Biology Faculty Search Committee, University of Connecticut
2010 Mass Spectrometry Scientist Search Committee, University of Connecticut
2010 Chemistry Grants and Contracts Manager Search Committee, University of Connecticut
2008 Chemistry–Institute of Materials Science Faculty Search Committee, University of Connecticut
2002 Biochemistry Faculty Search Committee, University of Illinois, Chicago
2001 Organic Chemistry Faculty Search Committee, University of Illinois, Chicago
2001 Analytical Chemistry Faculty Search Committee, University of Illinois, Chicago

Other Departmental Committees

2010–present	Head, Organic Chemistry Division, Department of Chemistry, University of Connecticut
2010–present	Advisory Committee, Department of Chemistry, University of Connecticut
2007–present	Teaching Assistant Affairs Committee, Department of Chemistry, University of Connecticut
2006–present	Graduate Affairs Committee, Department of Chemistry, University of Connecticut
2007–2009	Advisory Committee, Department of Chemistry, University of Connecticut

Other University Service

2008–present	Co-Director, University of Connecticut High Throughput Screening Facility, Storrs, Connecticut

TEACHING EXPERIENCE

2013, Fall	Instructor, Biological Chemistry I, University of Connecticut
2012, Spring	Instructor, Organic Chemistry II, University of Connecticut
2011, Fall	Instructor, Biological Chemistry I, University of Connecticut
2011, Spring	Co-Instructor, Introduction to Undergraduate Research (Molecular and Cell Biology), University of Connecticut
2010, Fall	Instructor, Introduction to Undergraduate Research, University of Connecticut
2010, Fall	Instructor, Biological Chemistry I, University of Connecticut
2010, Spring	Instructor, Organic Chemistry II, University of Connecticut
2009, Fall	Instructor, Biological Chemistry I, University of Connecticut
2009, Spring	Instructor, Organic Chemistry II, University of Connecticut
2008, Fall	Instructor, Biological Chemistry I, University of Connecticut
2008, Spring	Instructor, Graduate Student Seminar Series, University of Connecticut
2008, Spring	Instructor, Organic Chemistry II, University of Connecticut
2007, Fall	Instructor, Organic Chemistry I, University of Connecticut
2007, Fall	Co-Instructor, Biological Chemistry II, University of Connecticut
2007, Spring	Instructor, Organic Chemistry II, University of Connecticut
2006, Fall	Instructor, Organic Chemistry I, University of Connecticut
2005, Spring	Instructor, Biochemistry I, University of Illinois, Chicago
2004, Fall	Instructor, Chemical Biology and Bioorganic Chemistry, University of Illinois, Chicago
2004, Spring	Instructor, Chemical Biology and Bioorganic Chemistry, University of Illinois, Chicago
2003, Fall	Instructor, Literature Seminar in Biochemistry, University of Illinois, Chicago
2003, Spring	Instructor, Biochemistry I, University of Illinois, Chicago
2002, Fall	Instructor, Chemical Biology and Bioorganic Chemistry, University of Illinois, Chicago
2002, Fall	Instructor, Literature Seminar in Biochemistry, University of Illinois, Chicago
2002, Spring	Instructor, Biochemistry I, University of Illinois, Chicago

2001, Fall	Instructor, Chemical Biology and Bioorganic Chemistry, University of Illinois, Chicago
2001, Fall	Instructor, Literature Seminar in Biochemistry, University of Illinois, Chicago
2001, Spring	Instructor, Biochemistry I, University of Illinois, Chicago
2000, Fall	Instructor, Chemical Biology and Bioorganic Chemistry, University of Illinois, Chicago
1996, Fall	Discussion Section Teaching Fellow, Introductory Molecular Biology, Harvard University
1996, Spring	Laboratory Teaching Fellow, Introduction to Genetics, Molecular, Cellular and Developmental Biology, Harvard University
1995, Spring	Head Teaching Fellow, Principles of Biochemistry and Cell Biology, Harvard University
1994, Fall	Discussion Section Teaching Fellow, Introductory Molecular Biology, Harvard University
1994, Spring	Discussion Section Teaching Fellow, Principles of Biochemistry and Cell Biology, Harvard University
1991, Spring	Laboratory Teaching Assistant, Introductory Biology, University of California, Santa Barbara, California