

BCP Alumni



BIOLOGICAL CHEMISTRY PROGRAM

An Interdisciplinary Graduate Experience

[1]

Alumnus	Dissertation
WENZHOU LI , Ph.D. 2012 Currently:	Title: Protein Identification Algorithms Developed from Statistical Analysis of MS/MS Fragmentation Patterns Research Director: Dr. Vicki Wysocki
JULIO CARDENAS , Ph.D. 2012 Currently: Postdoctoral Fellow, Vanderbilt Institute of Imaging Sciences	Title: New models and contrast agents for dynamic contrast-enhanced MRI Research Director: Dr. Mark Pagel
FEMINA RAUF , Ph.D. 2012 Currently: Postdoctoral Research Assistant, The Biodesign Institute	Title: Chimeric and recombinant protein reagents for cellular analysis and immunoassays Research Director: Dr. Craig Aspinwall
ERIN JOHNSON , Ph.D. 2011 Currently: Clinical Chemistry Fellow, Mayo Clinic	Title: Applications of Mass Spectrometry to Bacterial Diagnostics: Affinity Capture Matrix Assisted Laser Desorption/Ionization Mass Spectrometry and Polymerase Chain Reaction Mass Spectrometry Research Director: Dr. Vicki Wysocki

Alumnus	Dissertation
<p>REID MCCARTY, Ph.D. 2011</p> <p>Currently: Postdoctoral Research Associate, University of Texas - Austin</p>	<p>Title: Elucidation of the biosynthetic pathway for 7-deazapurines</p> <p>Research Director: Dr. Vahe Bandarian</p>
<p>BENJAMIN JESTER, Ph.D. 2011</p> <p>Currently: Scientist, Luceome Biotechnologies</p>	<p>Title: Development of a three-hybrid split-luciferase system for interproteomic protein kinase inhibition</p> <p>Research Director: Dr. Indraneel Ghosh</p>
<p>CAROLYN SHOMIN, Ph.D. 2011</p> <p>Currently: Scientist, Luceome Biotechnologies</p>	<p>Title: A bivalent methodology for targeting protein kinases: Conjugation of phage display selected cyclic peptides to staurosporine</p> <p>Research Director: Dr. Indraneel Ghosh</p>
<p>JAMIN STEFFEN, Ph.D. 2011</p>	<p>Title: Design, development, and evaluation of tools to study cellular AICAR ribose polymer metabolism</p> <p>Research Director: Dr. Myron Jacobson</p>
<p>BRADLEY FRITZ, Ph.D. 2011</p> <p>Currently: Scientist, Ventana Medical Systems</p>	<p>Title: Molecular model of soluble guanylyl cyclase: Insight into allosteric nitric oxide signaling</p> <p>Research Director: Dr. William Montfort</p>
<p>MICHAEL KIMZEY, Ph.D. 2011</p> <p>Currently: Assay/Product Development Scientist, ProZyme</p>	<p>Title: Identification, characterization, and quantification of dicarbonyl adducts in the plasma proteome in type-2 diabetes</p> <p>Research Director: Dr. Serrine Lau and Dr. David Galbraith</p>

Alumnus	Dissertation
JENNIFER FURMAN , Ph.D. 2010 Currently: Postdoctoral Researcher, The Scripps Research Institute	Title: In vitro and in vivo detection of nucleic acids and proteins using protein reassembly Research Director: Dr. Indraneel Ghosh
KATHERINE BLOCK , Ph.D. 2010 Currently: Senior Development Scientist, Beckman Coulter	Title: Design of novel cancer therapeutics through the validation of P as a therapeutic target and the evaluation of small molecule inhibitors hypoxia-induced transcription Research Director: Dr. Myron Jacobson
DAVIDE BOTTA , Ph.D. 2010 Currently: Postdoctoral Fellow, University of Alabama at Birmingham	Title: Strategies for structural studies of poly(ADP-ribose) glycohydrolase Towards the validation of a novel therapeutic target Research Director: Dr. Myron Jacobson
TORI LOCKETT , Ph.D. 2010 Currently: Lecturer, University of Arizona	Title: Gas-Phase Photoelectron Spectroscopy and Computational Studies of [FeFe]-Hydrogenase Inspired Catalysts for Hydrogen Production Research Director: Dr. Dennis Lichtenberger
JASON PORTER , Ph.D. 2010 Currently: Postdoctoral Researcher, University of California San Francisco	Title: Biomolecular interactions and modulators thereof Research Director: Dr. Indraneel Ghosh
ALBERTO RASCON , Ph.D. 2010 Currently: Postdoctoral Researcher, University of California San Francisco	Title: Enzyme kinetics and biochemical properties of serine protease from the midgut of the Dengue mosquito, Aedes aegypti Research Director: Dr. Roger Miesfeld

Alumnus	Dissertation
CHRISTIAN ROESSLER , Ph.D. 2010 Currently: Research Associate, Brookhaven National Laboratory	Title: Two case studies of protein fold evolution: Bacteriophage Cro p and insect salivary lipocalins Research Director: Dr. Matthew Cordes
BRITTANY PERKINS , Ph.D. 2009 Currently: Instructor, Albuquerque	Title: Probing gas-phase peptide structure and protein-protein interactions using mass spectrometric techniques Research Director: Dr. Vicki Wysocki
JUSTIN CROTTY , Ph.D. 2009 Currently: Law student, George Washington University Law School	Title: Crystal structures and kinetics of S-nitrosoglutathione reductase in Arabidopsis thaliana and Homo sapiens Research Director: Dr. William Montfort
JUSTIN DIETRICH , Ph.D. 2008 Currently: Senior Scientist, Abbott Laboratories	Title: The design, synthesis, and evaluation of novel DFG-out allosteric kinase inhibitors Research Director: Dr. Laurence Hurley
ASHLEY FISHER , Ph.D. 2008 Currently: Senior Scientist, SIGA Technologies	Title: Chemical-induced post-translational modifications and the consequences for structural and functional alterations Research Director: Dr. Serrine Lau
CLIFFORD STAINS , Ph.D. 2008 Currently: Assistant Professor, University of Nebraska (Lincoln)	Title: Methods for the detection of protein-nucleic acid and protein-protein interactions Research Director: Dr. Indraneel Ghosh

Alumnus	Dissertation
JAMES SPOONAMORE , Ph.D. 2008 Currently: Research Scientist, Broad Institute	Title: Chemical transformations encoded by a gene cluster in <i>Streptococcus coelicolor</i> containing an unusual GTP cyclohydrolase Research Director: Dr. Vahe Bandarian
KEXIAO GUO , Ph.D. 2008 Currently: Postdoctoral Research Associate, St. Jude Children's Research Hospital	Title: DNA secondary structures in the promoters of human VEGF and its homologous genes and their roles in gene transcriptional regulation Research Director: Dr. Laurence Hurley
XIAHUI HU , Ph.D. 2008 Currently: Postdoctoral Researcher, University of California San Diego	Title: Nitric oxide signaling through soluble guanylate cyclase Research Director: Dr. William Montfort
YONG QIN , Ph.D. 2008 Currently: Postdoctoral Fellow, MD Anderson Cancer Center	Title: Targeting the promoter regions of PDGF ligand and receptor Research Director: Dr. Laurence Hurley
QIAN CHENG , Ph.D. 2007 Currently: Research Fellow, Vanderbilt University	Title: In vitro reconstitution of the entire enterocin biosynthetic pathway. New insights into type II PKS enzymology Research Director: Dr. Brad Moore
AIK OOI , Ph.D. 2007 Currently: Postdoctoral Researcher, University of California Los Angeles	Title: Sequence-specific DNA detection utilizing custom-designed zinc finger proteins Research Director: Dr. David Segal

Alumnus	Dissertation
UZMA ZAKAI , Ph.D. 2007 Currently: Visiting Assistant Professor, Beloit College	Title: Design, synthesis, and evaluation of chalcogen interactions Research Director: Dr. Richard Glass
THOMAS DEXHEIMER , Ph.D. 2006 Currently: Research Scientist, NIH Chemical Genomics Center	Title: Defining the role of DNA secondary structures and transcription factors in the control of c-myc and bcl-2 expression Research Director: Dr. Laurence Hurley
BRANWEN HALL , Ph.D. 2006 Currently: Postdoctoral Researcher, Massachusetts Institute of Technology	Title: Functional evolution of the Cro protein family of transcription factors Research Director: Dr. Matthew Cordes
CHANDANAMALIE ADIKARAM-PUNCHIHEWA , Ph.D. 2006 Currently: Postdoctoral Fellow, St. Jude Children's Research Hospital	Title: DNA and DNA-interacting proteins as anticancer drug targets Research Director: Dr. Danzhou Yang
STEVEN WARNER , Ph.D. 2005 Currently: Vice President of Drug Discovery, Tolero Pharmaceuticals	Title: Targeting the Aurora kinases to treat pancreatic cancer Research Director: Dr. Laurence Hurley
ISABEL ALVES , Ph.D. 2005 Currently: Associate Scientist / Professor, University of Bordeaux	Title: Signal transduction studies of G-protein coupled receptors using plasmon waveguide resonance spectroscopy Research Director: Dr. Victor Hruby

Alumnus	Dissertation
ANA ARAUJO , Ph.D. 2005 Currently: Research Associate, University of Sao Paulo	Research Director: Dr. Michael Brown
MINYING CAI , Ph.D. 2005 Currently: Research Professor, University of Arizona	Title: Exploring the stereostructural requirements of peptide ligands for melanocortin receptors and molecular mechanism study of GPCR biased drugs Research Director: Dr. Victor Hruby
GILMAR SALGADO , Ph.D. 2004 Currently: Assistant Professor, Université Victor Segalen Bordeaux 2	Title: Structure and dynamics of retinal in rhodopsin elucidated by deuterium solid state NMR Research Director: Dr. Michael Brown

[Graduate](#)^[2]

Department of Chemistry and Biochemistry at The University of Arizona
P.O. Box 210041, 1306 East University Blvd., Tucson, AZ 85721-0041
Phone: 520.621.6354 Fax: 520.621.8407

[UA NetID Login](#)

Source URL (retrieved on 01/12/2013 - 3:49am): http://www.chem.arizona.edu/graduate/bcp/bcp_alumni

Links:

[1] http://www.cbc.arizona.edu/graduate/bcp/phd_program

[2] <http://www.chem.arizona.edu/taxonomy/term/12>