



# 2009 AFPE Scholars, Fellows, and Pharmacy Faculty Researchers



American Foundation for Pharmaceutical Education

## 2009 AFPE Gateway to Research Scholars (2)

Name	Title of Research	Focus	School /College of Pharmacy
Cathy W. Hau	<i>Influence of Genetic Variants of OATP1B1 on the Interaction of Statins and Protease Inhibitors</i>	AIDS/HIV	University of California – SF
Kristin M. Kielar	<i>Coordinate Regulation Angiogenic Mediators in Tumor Cells by Paclitaxel</i>	Oncology	University at Buffalo

## 2009 AFPE First Year Graduate School Scholars (2)

Elizabeth H. Chang	<i>Social &amp; Administrative Pharmacy</i>	Social & Admin. Research	University of Florida
Melanie R. Nicol	<i>Translational Drug Research</i>	Translational Research	University of North Carolina

## 2009 AFPE Pre-Doctoral Fellows in the Pharmaceutical Sciences (43)

Erin Gagan Allen	<i>Mechanisms of Toxicity and Structure-Activity Relationships of Molinate and Dieldrin</i>	Parkinson's Disease	University of Iowa
David D. Anderson	<i>Protein Ligand X-ray Structure Based Design, Synthesis &amp; Biological Evaluation of Novel HIV Protease Inhibitors along with Total Synthesis of Pladeionolide B and Investigation of its Mechanism of Action</i>	AIDS/HIV	Purdue University
David G. Anderson	<i>Protein Modification by Oxidized Derivatives of Dopamine and Dopamine Metabolites in Regards to Parkinson's Disease and Neurodegenerative Disorders</i>	Parkinson's Disease	University of Iowa
Chasity D. Andrews	<i>Multicomponent Vaccine Delivery System: Subcellular Targeting of Antigen and Molecular Adjuvant</i>	Influenza	University of Michigan
Jenna M. Benson	<i>Role of Dietary Supplements &amp; Environmental Contaminants on Arylhydrocarbon Receptor (AhR) Activation in Inflammation Associated with Crohn's Disease</i>	Crohn's Disease	University of Montana
Kimberly B. Blake	<i>Evaluating an Intervention to Improve Accuracy of Cardiac Risk Perception and Engage Women in Risk Reducing Behavior</i>	Obesity	West Virginia University
Linda C. Blake	<i>Lung Cancer Chemoprevention: Selective Inhibition of Cytochrome P450 2A13</i>	Oncology	University of Kansas
Laura N. Bonifacio	<i>Defining the Role and Regulation of miRNA in Aging and Age-Related Diseases</i>	Age-Related Disease	University of North Carolina
Gary E. L. Brandt	<i>Natural Products as Lead Compounds in Drug Discovery: The Investigation of Cruentaren A, Gedunin, and the Ansamycins</i>	Oncology	University of Kansas

<b>Name</b>	<b>Title of Research</b>	<b>Focus</b>	<b>School /College of Pharmacy</b>
Grant S. Buchanan	<i>Development of Intramolecular Enone Aza-[3+3] Annulation Reactions &amp; its Applications in Alkaloid Synthesis</i>	Neuropsychiatric Disease	University of Wisconsin
Mary J. Carroll	<i>Probing the Dynamics of E. coli Dihydrofolate Reductase with Small Molecule Inhibitors</i>	Oncology	University of North Carolina
Adam J. Cole	<i>Magnetically Delivered RNAi Therapy for the Treatment of Brain Tumors</i>	Oncology	University of Michigan
Andrew S. Dixon	<i>The Induction of Apoptosis Through Controlled Nuclear Translocation of Bcr-Abl Using the Protein Switch</i>	Oncology	University of Utah
Adam S. Duerfeldt	<i>The Design, Synthesis, and Biological Evaluation of Chimeric, Conformationally Constrained Biased Hsp90 N-terminal Inhibitors</i>	Oncology	University of Kansas
Mark D. Ericson	<i>Increasing Nonviral Gene Delivery with Novel Proteasome Inhibitors</i>	Cystic Fibrosis	University of Iowa
Amanda M. Fenner	<i>Novel Inhibitors of Heparan Sulfate-Protein Interactions as New Anti-Cancer Therapeutics and Inhibitors of Host-Pathogen Interactions</i>	Oncology	University of Iowa
Daniel P. Flaherty	<i>The Potential of Bis-Styrylbenzenes in Alzheimer's Disease</i>	Alzheimer's Disease	University of Nebraska
Jason M. Fritz	<i>Tumor-Educated Alveolar Macrophages Augment Lung Tumorigenesis</i>	Oncology	University of Colorado HSC
Richard W. Gantt	<i>Chemoenzymatic Synthesis of Nucleotide Diphosphate Sugars and Their Applications in Drug Discovery</i>	Drug Discovery	University of Wisconsin
Amber M. Goedken	<i>Impact of Health Insurance on Receipt of an Antidepressant by Children and Adolescents</i>	Depression	University of Iowa
David J. Good	<i>Thermodynamics, Kinetics, and Mechanisms that Determine the Formation and Stability of Pharmaceutical Cocrystals</i>	Drug Discovery	University of Michigan
Lucy S. Hodge	<i>Equilibrative Nucleoside Transporters in Predicting the Distribution and Efficacy of Radiosensitizing Nucleoside Analogs in Cervical Carcinoma</i>	Oncology	University of Minnesota
Steven A. Kawamoto	<i>Evaluation of the BCL9/<math>\beta</math>-Catenin Binding Interaction as a Novel Anticancer Therapeutic Strategy</i>	Oncology	University of Michigan
Thomas M. Koperniak	<i>The Role of Ric-3 and other Chaperone Factors in Cell-Dependent Expression of Alpha-7 Nicotinic Acetylcholine Receptors</i>	Alzheimer's Disease	Northeastern University
Katrina W. Lexa	<i>Incorporating Protein Flexibility into Structure-Based Drug Design</i>	AIDS/HIV	University of Michigan

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John A. McIntosh	<i>Elucidation of Cyanobactin Biosynthesis</i>	Oncology	University of Utah
Robert H. Mo	<i>Comparison of Hexa-L-Arginine-Polypex for siRNA Delivery In Vitro and In Vivo</i>	Oncology	University of Southern California
Michael D. Moore	<i>A Materials Informatics Approach to the Prediction of Amorphous Solid Dispersion Potential</i>	Drug Discovery	Duquesne University
Delaram Moshkelani	<i>Targeted Nanoparticle Delivery of a Drug-Inhibitor Conjugate for Reversal of Multidrug Resistance in Cancer Therapy</i>	Oncology	Mercer University
Rebecca L. Neal	<i>Desensitization Characteristics of Long Verses Short Variants of GPR120 Including Internalization, Phosphorylation and Beta-Arrestin Involvement</i>	Diabetes	Mercer University
Ryan E. Pavlovicz	<i>Computational Discovery, Evaluation, &amp; Design of Subtype-Selective Nicotinic Acetylcholine Receptor Antagonists</i>	Alzheimer's Disease	Ohio State University
Connie M. Remsberg	<i>Formulation, Delivery, and Pharmacokinetics of Selected Hydrophobic Xenobiotics</i>	Oncology	Washington State University
James F. Sanchez	<i>The Study of the Aspergillus Nidulans Metabolome in the Post-Genomic Era</i>	Oncology	University of Southern California
Ryan A. Schneider	<i>Regulation or Modulation of Tumor Microenvironment to Influence Tumor Growth</i>	Oncology	Ohio State University
Heidi A. Schwanz	<i>Intermolecular Interactions and Structural Features of Quinolone-Class Gyrase Inhibitors for Activity Against Drug-Resistant Microorganisms</i>	Drug Resistant Microorganisms	University of Iowa
Anna L. Scott	<i>Neurodevelopmental Outcomes of Monoamine Oxidase (MAO) Deficiency</i>	Neuropsychiatric Disease	University of Southern California
D. Eldon Spackman	<i>Health Economics Research in Alzheimer's Disease: Support for Dependence as a Health Outcome and the Development of a Model Evaluating the Cost-Effectiveness of Screening</i>	Alzheimer's Disease	University of Washington
Megan Sturdy	<i>Crystassist: A Crystallographic Method Used to Discover Novel Inhibitors of Quinone Reductase 2</i>	Oncology	University of Illinois at Chicago
Katherine N. Theken	<i>CYP-Derived Eicosanoids in Cardiovascular Inflammation and Atherosclerosis</i>	Cardiovascular Disease	University of North Carolina
Margaret M. Thomson	<i>Age-Associated Expression of Organic Anion Transporting Polypeptides and its Implications in Fexofenadine Disposition</i>	Pediatrics	University of Tennessee
Marie V. Wehenkel	<i>Target Validation and Functional Studies of UK-101</i>	Oncology	University of Kentucky

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Lindsay A. White	<i>Antibody Targeted Delivery of siRNA for Colorectal Cancer Therapy</i>	Oncology	University of Michigan
Kuangshi Wu	<i>Hybrid Self-Assembling HPMA Copolymers Containing Coiled-Coil Grafts for Biomaterials and Cancer Therapy</i>	Oncology	University of Utah

### **2009 AFPE Minority Pre-Doctoral Fellows in the Pharmaceutical Sciences (3)**

Comfort A. Agyemang	<i>Development of New Agents Against AIDS-Related Opportunistic Pathogens</i>	AIDS/HIV	Florida A&M University
Daniel C. Lane	<i>Investigating the Role of Emotional Appraisals, Motives and Values in Patient and Provider Medication Related Decision Processes</i>	Neuropsychiatric Disease	University of Michigan
Letisha R. Wyatt	<i>Development and use of a Lentiviral Gene Delivery System to Test the Hypothesis that Ethanol Alters Function of Wildtype and Mutant P2X4 Receptors Expressed in Primary Cortical and Hippocampal Neurons</i>	Alcoholism	University of Southern California

### **2009 Clinical Pharmacy Post-Pharm.D. Fellow in the Biomedical Research Sciences (1)**

Heather M. Owens	<i>Effect of Doxycycline on Sputum Biomarkers of Inflammation and Airway Remodeling in Patients with Cystic Fibrosis</i>	Cystic Fibrosis	University of Southern California
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### **2009 Minority Pharmacy Faculty New Investigator (1)**

L'Aurelle Johnson	<i>Contributions of Obesity to Alterations in Normal Drug Metabolism in Children</i>	Obesity	University of Minnesota
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### **2009 Pharmacy Faculty Development Fellows (2)**

Gail B. Rattinger	<i>Development of a Geriatric Pharmacy Practice Model in Epidemiology</i>	Geriatric Pharmacy	University of Maryland
Macary W. Marciniak	<i>Design and Development of a Postgraduate Year 2 (PGY2) Community Pharmacy Residency with a Focus in Academia</i>	Community Pharmacy	University of North Carolina

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