

# Faculty Competition for Post-Doctoral Fellows

## 2015 Recipients

### MAY

**Li Li**, Internal Medicine

*The roles of cytoskeleton remodeling in arterial stiffness*

**Patrick Mueller**, Physiology

*Inactivity and Enhanced Sympathoexcitation-Role of Neuroplasticity in the RVLM*

# Faculty Competition for Post-Doctoral Fellows

## 2014 Recipients

### MAY

**Leela Arava**, Mechanical Engineering, and **Simon Ng**, Mechanical Engineering  
*Design and Development of High Energy and Safe Li-ion Batteries*

**Edward Cackett**, Physics and Astronomy  
*Accretion onto black holes and neutron stars*

**Mark Ming-Cheng Cheng**, Electrical and Computer Engineering, and **Yong Xu**, Electrical and Computer Engineering  
*The development of next-generation miniaturized high intensity focused ultrasound for therapeutic applications*

**Miriam Greenberg**, Biological Sciences  
*Perturbation of the TCA cycle in tafazzin-deficient cells*

**Izabela Podgorski**, Pharmaceutical Sciences  
*Investigating functional role of bone marrow adipocytes in metabolic adaptation and chemoresistance of bone-metastatic prostate cancer*

**Jinsheng Zhang**, Otolaryngology  
*A Novel Cochlear Electrical Stimulation Device for Tinnitus Therapy*

### NOVEMBER

**Donal O'Leary**, Physiology  
*Blood Pressure Control During Exercise in Heart Failure*

**Jeffrey Ram**, Physiology  
*Molecular Automated Technologies for Detecting Organisms Harmful to the Great Lakes*

**Hayley Thompson**, Oncology and **Susan Eggly**, Oncology  
*Associations Between eHealth Activity, Patient-Provider Communication, and Health Outcomes in a Diverse Population of Cancer Survivors*

**Zhengping Yi**, Pharmaceutical Sciences  
*Dysfunctional Protein Phosphatase 2A in Type 2 Diabetes*

**Kequan Zhou**, Nutrition and Food Science  
*Development of Anti-Diabetic Nutritional Agents with Probiotics and Grape Skin Extract*

# Faculty Competition for Post-Doctoral Fellows

## 2013 Recipients

### MAY

**Robert Harr**, Physics & Astronomy, and **Paul Karchin**, Physics & Astronomy

*Commissioning of the Upgraded Muon Detector of the Compact Muon Solenoid Experiment at CERN and Search for Evidence of New Particles*

**Donald Kuhn**, Psychiatry and Behavioral Neurosciences

*Sports-related Repetitive Mild Traumatic Brain Injury: Psychiatric and Histopathological Manifestations*

**David Ledgerwood**, Psychiatry and Behavioral Neurosciences

*Post-doctoral position in Gambling Disorder and Addiction Treatment Research*

**Cathy Lysack**, Institute of Gerontology

*Long-term Outcomes, Life Disrupting Abilities, and Re-building Meaningful Lives*

**Noa Ofen**, Institute of Gerontology, and **Naftali Raz**, Institute of Gerontology

*Neural Correlates of Age-Related Differences in Memory: A Life-Span Approach*

**Peter Savolainen**, Civil and Environmental Engineering

*Synergistic Transportation - Integrating Safety, Mobility, & Economics*

**Arthur Suits**, Chemistry

*Universal Probes of Astrochemical Dynamics*

### NOVEMBER

**Andre Cisneros**, Chemistry

*Computational Investigation of DNA dealkylase enzymes, development and application*

**Moriah Thomason**, Merrill Palmer Skillman Institute and Pediatrics

*Identification of brain biomarkers for Autism and other developmental disorders in utero*

# Faculty Competition for Post-Doctoral Fellows 2012 Recipients

## MAY

**Jian Huang**, Physics & Astronomy

*Topological quantum orders in fractional quantum hall regime*

**Donna Kashian**, Biological Sciences

*Development of a risk policy framework for a novel method in identifying invasive species*

**Steven Ondersma**, Psychiatry & Behavioral Neurosciences and Merrill Palmer Skillman Institute

*Interactive technology to improve child outcomes in at-risk urban families*

**Alexey Petrov**, Physics & Astronomy

*Identifying New Physics from LHC and Astrophysical Measurements*

**Michael Rybak**, Pharmacy Practice

*Evaluation of Novel Antibiotic Combinations with Daptomycin Against Biofilm Embedded Staphylococci*

**Bonnie Sloane and David Gorski**, Pharmacology and Oncology

*Defining Druggable Cytokine Pathways in Lymphatic Metastasis of Breast Cancer*

## NOVEMBER

**Kang Chen**, Obstetrics and Gynecology

*Immunoregulatory Functions of B Cells in Pregnancy*

**Susan Eggly**, Oncology

*Understanding and Improving Verbal and Nonverbal Communication in Oncologist-Patient Clinical Interactions in a Diverse, Urban Patient Population*

**Wen Li**, Chemistry

*Time-Resolved Studies of Orbital Polarization in Photodissociation of Small Molecules: the Long-Range Effect*

**Jeffrey Ram**, Physiology

*Molecular and Automated Technologies for Detecting Organisms Harmful to the Great Lakes*

# Faculty Competition for Post-Doctoral Fellows

## 2011 Recipients

### MAY

**Mahendra Kavdia**, Biomedical Engineering  
*Systems Biology of Oxidative & Nitrosative Stress in Cardiovascular Disorders*

**Thomas Kocarek**, Institute of Environmental Health Sciences  
*Regulation of Hepatic P450s by Anti-Cholesterol Drugs*

**Xiaoming Li**, Pediatrics  
*Resilience-based Psychosocial Intervention for Children Affected by HIV*

**Valerie Simon**, Merrill Palmer Skillman Institute  
*The Emergence of Sexual Risk Among Sexually Abused Adolescent Females*

**Bonnie Sloane**, Pharmacology  
*Paracrine Cytokine/Chemokine Pathways in Progression of Ductal Carcinoma in Situ to Invasive Ductal Carcinoma*

**James Granneman**, Psychiatry and Behavioral Neurosciences  
*Analysis of Lipolytic Trafficking in Adipocytes; A Genetically-encoded Fatty Acid Sensor; Development of HTS for Novel Lipolytic Activators; Analysis of Lipolytic Trafficking in Muscle*

### NOVEMBER

**Andrew Firestine**, Pharmaceutical Sciences  
*Elucidating the Mechanism of Bacterial N5-CAIR Synthetase*

**David Oupicky**, Pharmaceutical Sciences  
*Development of Polymeric Prodrugs with Dual Functionality for the Delivery of Therapeutic Nucleic Acids*

**Monica Uddin**, Psychiatry and Behavioral Neurosciences  
*Epigenomic Neurodevelopmental Predictors of Adult Psychopathology*

**Wei-Zen Wei**, Oncology  
*Cancer Vaccines and Immune Regulation*

**Zhengping Yi**, Pharmaceutical Sciences  
*Glycogen Synthase Phosphorylation in Insulin Signaling*

# Faculty Competition for Post-Doctoral Fellows 2010 Recipients

## MAY

**Shane Perrine**, Psychiatry

*Is there a neurobiological basis for comorbidity of posttraumatic stress disorder and substance abuse?*

## NOVEMBER

**Terrance Albrecht**, Oncology

*Breast Density, Novel Imaging Technology and Intergenerational Risk Communication for Improving Heritable Breast Cancer Outcomes in African Americans*

**Alana Conti**, Neurosurgery

*Traumatic Brain Injury-Induced Alterations in Synaptic Function and the Effects on Alcohol Sensitivity*

**Robert Lasley**, Physiology

*Adenosine Receptor Modulation of Post Myocardial Infarction Fibroblast Function*

**Patrick Mueller**, Physiology

*Inactivity and Enhanced Sympathoexcitation-Role of Neuroplasticity in the RVLM*

**Takeshi Sakamoto**, Physics and Astronomy

*First Evidence of Nucleos Myosin XVI: Simultaneous Observation of Nanometer Motion and Enzymatic Pathway*

**Charles Winter**, Chemistry

*Low Temperature ALD Growth of Transition Metal and Transition Metal Alloy Thin Films*

**Yong Xu**, Electrical and Computer Engineering

*Development of Next-Generation Neural Interface Devices*

# Faculty Competition for Post-Doctoral Fellows

## 2009 Recipients

### MAY

**Alexey Petrov**, Physics & Astronomy

*Theoretical Issues in LHC Physics*

**Arthur Suits**, Chemistry

*New Directions in Proteomics with Coupled Electrostatic Ion Traps*

**David Rueda**, Chemistry

*Single Molecule Studies of Splicing in Cell Extracts*

**Donald Kuhn**, Psychiatry & Behavioral Neurosciences

*Traumatic Brain Injury: Involvement of Microglia and Neutrophils*

**Paula Dore-Duffy**, Neurology

*Normobaric hypoxia is neuroprotective in traumatic brain injury*

**Steven Ondersma**, Psychiatry & Behavioral Neurosciences/Merrill Palmer Skillman Institute

*Interactive technology to improve child outcomes in at-risk urban families*

**Steven Firestine**, Pharmaceutical Sciences

*Elucidating the Mechanism of Bacterial N5-CAIR Synthetase*

**Wei-Zen Wei**, Immunology/Microbiology

*Regulatory T cells in cancer immunotherapy and autoimmunity*

### NOVEMBER

**Anjan Kowluru**, Beta Cell Research

*Studies of Islet  $\beta$ -Cell Dysfunction in Diabetes*

**Dawn Misra**, Family Medicine & Public Health Sciences

*Risk Factors for Preterm Birth in Black Women*

**Douglas Ruden**, Institute of Environmental Health Sciences

*Postdoctoral Fellowship for Expanding Epigenomics Research at WSU*

**Mary Rodgers**, Chemistry

*Development of Improved Techniques for the Detection and Quantification of Post-Translational Modifications in Proteins*

**Pamela Vandevord**, Biomedical Engineering

*Blast Related Neurotrauma*

**Rafael Fridman**, Pathology

*Development of Improved Techniques for the Detection and Quantification of Post-Translational Modifications in Proteins*