

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

NOVEMBER

Anjan Kowluru, Medicine

Mechanisms of Islet B-Cell Dysfunction in Diabetes

Zhiqiang Cao, Engineering

Zwitterionic Material for Islet Encapsulation

Charles Chung, Medicine

Mechanisms of Diastolic Relaxation in Normal and Diseased Hearts

Chunying Li, Medicine

OVPR Faculty Competition for Postdoctoral Fellows Funding Application

Alexey Petrov, Physics

Identifying New Physics at LHC and in Cosmos

Mary Kay H. Pflum, Chemistry

Chemical Approaches to Mapping Cell Signaling Pathways

Christine Rabinak, Medicine

Effects of the Cannabinoid System on Retention of Memory for Fear Extinction Learning

Douglas Ruden, Environmental Health Sciences

Shared Postdoctoral Fellowship for Single Cell Sequencing Core

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 β -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