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

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-metastic 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

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 Histopahtological 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

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

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

2010 Recipients

MAY

Shane Perrine, Psychiatry
Is there a neurobiological basis for comorbidity of posttraumatic stress disorder and substance abuse?

NOVEMEBER

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 Nucleous Myosin XVI: Simultaneous Observation of Nanometer Motion and Enzymatic Pathway

Charles Winter, Chemisty
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

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