

Faculty Competition for Post-Doctoral Fellows

Award Recipients

December 2016

Kang Chen, Obstetrics and Gynecology

Function of Maternal Immunoglobulin D in the Protection against Neonatal Respiratory Infection and Allergy

Mohammad Mehrmohammadi, Biomedical Engineering

Endocavity Ultrasound and Photoacoustic (ECUSPA) Imaging for Non-invasive, Real-time Fetal Cerebral Oxygen Measurement

Fatmir Menkulasi, Civil and Environmental Engineering

Development of Structural Applications Using Ultra High Performance Concrete and Fiber Reinforced Polymer Composites

Post-Doctoral Fellow: Dr. Hadi Baghi

Fellow's University: University of Minho

Mohammadreza Nasiriavanaki, Biomedical Engineering and Neurology

"Transfontanelle Photoacoustic Imaging Probe: Towards Neonatal Functional Brain Imaging"

May 2016

Alana Conti, Neurology

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

Post-Doctoral Fellow: Dr. Amanda Bolton Hall

Fellow's University: University of Kentucky

Stephen Krawetz, Obstetrics and Gynecology

Response of the Paternal Genome to the Environment

Post-Doctoral Fellow: Dr. Jimmelaine J. Hardy

Fellow's University: Morehouse School of Medicine

Jessica Robbins-Ruszkowski, Anthropology

Aging, Health, and Social Relations in Post-Industrial Urban Contexts

Post-Doctoral Fellow: Dr. Kimberly Seibel

Fellow's University: Northwestern University

NOVEMBER 2015

Anjan Kowluru, Medicine

Mechanisms of Islet B-Cell Dysfunction in Diabetes

Post-Doctoral Fellow: -

Fellow's University:

Zhiqiang Cao, Engineering

Zwitterionic Material for Islet Encapsulation

Post-Doctoral Fellow: -

Fellow's University:

Charles Chung, Medicine

Mechanisms of Diastolic Relaxation in Normal and Diseased Hearts

Post-Doctoral Fellow: -

Fellow's University:

Chunying Li, Medicine

OVPR Faculty Competition for Postdoctoral Fellows Funding Application

Post-Doctoral Fellow: -

Fellow's University:

Alexey Petrov, Physics

Identifying New Physics at LHC and in Cosmos

Post-Doctoral Fellow: Bhujanjyoti (Bhujjo) Bhattacharya

Fellow's University: University of Chicago

Mary Kay H. Pflum, Chemistry

Chemical Approaches to Mapping Cell Signaling Pathways

Post-Doctoral Fellow: -

Fellow's University:

Christine Rabinak, Medicine

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

Post-Doctoral Fellow: -

Fellow's University:

Douglas Ruden, Environmental Health Sciences

Shared Postdoctoral Fellowship for Single Cell Sequencing Core

Post-Doctoral Fellow: Dr. Katherine Gurdziel

Fellow's University: University of Michigan

May 2015

Li Li, Internal Medicine

The roles of cytoskeleton remodeling in arterial stiffness

Post-Doctoral Fellow: -

Fellow's University:

Patrick Mueller, Physiology

Inactivity and Enhanced Sympathoexcitation-Role of Neuroplasticity in the RVLM

Post-Doctoral Fellow: -

Fellow's University:

NOVEMBER 2014

Donal O'Leary, Physiology

Blood Pressure Control During Exercise in Heart Failure

Post-Doctoral Fellow: -

Fellow's University:

Jeffrey Ram, Physiology

Molecular Automated Technologies for Detecting Organisms Harmful to the Great Lakes

Post-Doctoral Fellow: Dr. Banani Sem

Fellow's University: University of Illinois Chicago

Hayley Thompson, Oncology

Susan Eggly, Oncology

Associations Between eHealth Activity, Patient-Provider Communication, and Health Outcomes in a Diverse Population of Cancer Survivors

Post-Doctoral Fellow: Dr. Nicole Senft

Fellow's University: Georgetown University

Zhengping Yi, Pharmaceutical Sciences

Dysfunctional Protein Phosphatase 2A in Type 2 Diabetes

Post-Doctoral Fellow: -

Fellow's University:

Kequan Zhou, Nutrition and Food Science

Development of Anti-Diabetic Nutritional Agents with Probiotics and Grape Skin Extract

Post-Doctoral Fellow: -

Fellow's University:

May 2014

Leela Arava, Mechanical Engineering

Simon Ng, Chemical Engineering

Design and Development of High Energy and Safe Li-ion Batteries

Post-Doctoral Fellow: Dr. Venkateswara Rao Chitturi

Fellow's University: Indian Institute of Technology Madras, India

Edward Cackett, Physics & Astronomy

Accretion onto black holes and neutron stars

Post-Doctoral Fellow: -
Fellow's University:

Mark Ming-Cheng, Electrical and Computer Engineering

Yong Xu, Electrical and Computer Engineering

The development of next-generation miniaturized high intensity focused ultrasound for therapeutic applications

Post-Doctoral Fellow: Dr. Jinjun Xia

Fellow's University: University of Missouri - Columbia

Miriam Greenberg, Biological Sciences

Perturbation of the TCA cycle in tafazzin-deficient cells

Post-Doctoral Fellow: -

Fellow's University:

Izabela Podgorski, Pharmacology

Investigating functional role of bone marrow adipocytes in metabolic adaptation and chemoresistance of bone-metastatic prostate cancer

Post-Doctoral Fellow: Dr. Halina Chkourko Gusky

Fellow's University:

Jinsheng Zhang, Communication Sciences and Disorders

A Novel Cochlear Electrical Stimulation Device for Tinnitus Therapy

Post-Doctoral Fellow: Dr. Ruishuang Geng

Fellow's University: Ohio State University

NOVEMBER 2013

Andre Cisneros, Chemistry

Computational Investigation of DNA dealkylase enzymes, development and application

Post-Doctoral Fellow: Dr. Eric Kratz, University of Pittsburgh

Fellow's University: University of Pittsburgh

Moriah Thomason, Merrill Palmer Skillman Institute and Pediatrics

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

Post-Doctoral Fellow: Dr. Janessa Manning, University of Texas

Fellow's University: University of Pittsburgh

May 2013

Robert Harr, Physics and Astronomy

Paul Karchin, Physics and Astronomy

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

Post-Doctoral Fellow: Dr. Jared Sturdy

Fellow's University: UC Riverside

Donald Kuhn, Psychiatry and Behavioral Neurosciences

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

Post-Doctoral Fellow: Dr. John H. Anneken, University of Cincinnati

Fellow's University: University of Cincinnati

David Ledgerwood, Psychiatry and Behavioral Neurosciences

Post-doctoral position in Gambling Disorder and Addiction Treatment Research

Post-Doctoral Fellow: Dr. Jamey Lister

Fellow's University: Rutgers University School of Social Work

Cathy Lysack, Gerontology

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

Post-Doctoral Fellow: Dr. Heather Fritz

Fellow's University: University of North Carolina

Noa Ofen, Gerontology

Naftali Raz, Gerontology

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

Post-Doctoral Fellow: Dr. Andrea Shafer, University of Alberta

Fellow's University: University of Alberta, Canada

Peter Savolainen, Civil and Environmental Engineering

Synergistic Transportation - Integrating Safety, Mobility, & Economics

Post-Doctoral Fellow: Dr. Erdong Chen

Fellow's University: Purdue University, West Lafayette, Indiana

Arthur Suits, Chemistry

Universal Probes of Astrochemical Dynamics

Post-Doctoral Fellow: Dr. Lindsay Zack

Fellow's University:

NOVEMBER 2012

Kang Chen, Obstetrics and Gynecology

Immunoregulatory Functions of B Cells in Pregnancy

Post-Doctoral Fellow: Dr. Azure Faucette

Fellow's University: Texas A&M University

Susan Eggly, Oncology

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

Post-Doctoral Fellow: Dr. Lauren Hamel

Fellow's University: Michigan State University

Wen Li, Chemistry

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

Post-Doctoral Fellow: -

Fellow's University:

Jeffrey Ram, Physiology

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

Post-Doctoral Fellow: Dr. Masanori Fujimoto

Fellow's University: Michigan State University

May 2012

Jian Huang, Physics & Astronomy

Topological quantum orders in fractional quantum hall regime

Post-Doctoral Fellow: -

Fellow's University:

Donna Kashian, Biological Sciences

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

Post-Doctoral Fellow: Dr. Alisha Davidson

Fellow's University: University of Tasmania

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

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

Post-Doctoral Fellow: Dr. Kathleen McGoron, University of New Orleans

Fellow's University: University of New Orleans

Alexey Petrov, Physics & Astronomy

Identifying New Physics from LHC and Astrophysical Measurements

Post-Doctoral Fellow: Dr. Matthew Gonderinger

Fellow's University: University of Wisconsin at Madison

Michael Rybak, Pharmacy Practice

Evaluation of Novel Antibiotic Combinations with Daptomycin Against Biofilm Embedded Staphylococci

Post-Doctoral Fellow: Dr. Jordan Smith

Fellow's University: Wayne State University

Bonnie Sloane, Pharmacology and Oncology

David Gorski, Pharmacology and Oncology

Defining Druggable Cytokine Pathways in Lymphatic Metastasis of Breast Cancer

Post-Doctoral Fellow: Dr. Kyungmin Ji

Fellow's University: Ajou University, South Korea

NOVEMBER 2011

Steven Firestine, Pharmaceutical Sciences

Elucidating the Mechanism of Bacterial N5-CAIR Synthetase

Post-Doctoral Fellow: -

Fellow's University:

David Oupicky, Pharmaceutical Sciences

Development of Polymeric Prodrugs with Dual Functionality for the Delivery of Therapeutic Nucleic Acids

Post-Doctoral Fellow: Dr. Robert A. Roggers

Fellow's University: Michigan State University

Monica Uddin, Psychiatry and Behavioral Neurosciences

Epigenomic Neurodevelopmental Predictors of Adult Psychopathology

Post-Doctoral Fellow: Dr. Liza Nevell

Fellow's University: George Washington University

Wei-Zen Wei, Oncology

Cancer Vaccines and Immune Regulation

Post-Doctoral Fellow: Dr. Jennifer Oliver

Fellow's University: University of Michigan

Zhengping Yi, Pharmaceutical Sciences

Glycogen Synthase Phosphorylation in Insulin Signaling

Post-Doctoral Fellow: Dr. Michael Caruso

Fellow's University: North Dakota State University

May 2011

Mahendra Kavdia, Biomedical Engineering

Systems Biology of Oxidative & Nitrosative Stress in Cardiovascular Disorders

Post-Doctoral Fellow: -

Fellow's University:

Thomas Kocarek, Institute of Environmental Health Sciences

Regulation of Hepatic P450s by Anti-Cholesterol Drugs

Post-Doctoral Fellow: Dr. Elizabeth Rondini

Fellow's University: Michigan State University

Xiaoming Li, Pediatrics

Resilience-based Psychosocial Intervention for Children Affected by HIV

Post-Doctoral Fellow: Dr. Traci Weinstein

Fellow's University: University of Illinois at Chicago

Valerie Simon, Merrill Palmer Skillman Institute

The Emergence of Sexual Risk Among Sexually Abused Adolescent Females

Post-Doctoral Fellow: Dr. Nicole M. Fava

Fellow's University: University at Buffalo

Bonnie Sloane, Pharmacology

Paracrine Cytokine/Chemokine Pathways in Progression of Ductal Carcinoma in Situ to Invasive Ductal Carcinoma

Post-Doctoral Fellow: Dr. Kingsley Osuala

Fellow's University: University of South Florida

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

Post-Doctoral Fellow: Dr. Michelle Angrish

Fellow's University: Michigan State University

NOVEMBER 2010

Terrance Albrecht, Oncology

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

Post-Doctoral Fellow: Dr. Mark Manning

Fellow's University: University of Massachusetts

Alana Conti, Neurosurgery

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

Post-Doctoral Fellow: Dr. Hall & Dr. Jessica J. Matchynski

Fellow's University: University of Kentucky and Central Michigan University

Robert Lasley, Physiology

Adenosine Receptor Modulation of Post Myocardial Infarction Fibroblast Function

Post-Doctoral Fellow: -

Fellow's University: Aligarh Muslim University, India

Patrick Mueller, Physiology

Inactivity and Enhanced Sympathoexcitation-Role of Neuroplasticity in the RVLM

Post- Doctoral Fellow: -

Fellow's University:

Takeshi Sakamoto, Physics and Astronomy

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

Post-Doctoral Fellow: -
Fellow's University:

Charles Winter, Chemistry

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

Post-Doctoral Fellow: Dr. Heather Marie Bass

Fellow's University: The University of Tennessee, Knoxville

Yong Xu, Electrical and Computer Engineering

Development of Next-Generation Neural Interface Devices

Post-Doctoral Fellow: Dr. Bin Liu

Fellow's University: Qingdao University, China

MAY 2010

Shane Perrine, Psychiatry

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

Post-Doctoral Fellow: Dr. Andrew Eagle, Central Michigan University

Fellow's University: Central Michigan University

NOVEMBER 2009

Anjan Kowluru, Beta Cell Research

Studies of Islet β -Cell Dysfunction in Diabetes

Post-Doctoral Fellow: Dr. Andrea N. Faris

Fellow's University: Michigan State University

Dawn Misra, Family Medicine & Public Health Sciences

Risk Factors for Preterm Birth in Black Women

Post-Doctoral Fellow: Dr. Jennifer Kornosky Straughen

Fellow's University: University of South Florida

Douglas Ruden, Institute of Environmental Health Sciences

Postdoctoral Fellowship for Expanding Epigenomics Research at WSU

Post-Doctoral Fellow: Dr. Marie-Claude Senut

Fellow's University: Pasteur Institute in Paris, France

Mary Rodgers, Chemistry

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

Post-Doctoral Fellow: Dr. Katherine E. Hersberger/Zhihau Yang

Fellow's University: University of Michigan

Pamela VandeVord, Biomedical Engineering

Blast Related Neurotrauma

Post-Doctoral Fellow: Dr. Carolyn Hampton

Fellow's University: Virginia Tech

Rafael Fridman, Pathology

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

Post-Doctoral Fellow: -

Fellow's University:

May 2009

Paula Dore- Duffy, Neurology

Normobaric hypoxia is neuroprotective in traumatic brain injury

Post-Doctoral Fellow: Dr. Rachel Dennis (terminated)

Dr. Rakhi Sharma

Fellow's University: Medical University of Vienna

Steven Firestine, Pharmaceutical Sciences

Elucidating the Mechanism of Bacterial N5-CAIR Synthetase

Post-Doctoral Fellow: Dr. Melissa Topper, University of South Florida

Fellow's University: University of South Florida

Donald Kuhn, Psychiatry & Behavioral Neurosciences

Traumatic Brain Injury: Involvement of Microglia and Neutrophils & Behavioral Neurosciences

Post-Doctoral Fellow: Dr. Michael J. Kane, University of California

Fellow's University: Pennsylvania State University

Steven Ondersma, Psychiatry & Behavioral Neurosciences

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

Post-Doctoral Fellow: -

Fellow's University:

Alexey Petrov, Physics and Astronomy

Theoretical Issues in LHC Physics

Post-Doctoral Fellow: Dr. Andrew Blechman

Fellow's University: Johns Hopkins University

David Rueda, Chemistry

Single Molecule Studies of Splicing in Cell Extracts

Post-Doctoral Fellow: Dr. Amanda Solem

Fellow's University: Yale University

Arthur Suits, Chemistry

New Directions in Proteomics with Coupled Electrostatic Ion Traps

Post-Doctoral Fellow: Dr. Michael Hause

Fellow's University: Carroll College

Wei-Zen Wei, Immunology/Microbiology

Regulatory T cells in cancer immunotherapy and autoimmunity

Post-Doctoral Fellow: Dr. Ilham Bettahi

Fellow's University: University of Gothenburg, Sweden