

IUPUI Office of the Vice Chancellor for Research Internal Grant Awards 2014-2015

RSFG – Research Support Funds Grant

Broxton Bird	Earth Sciences	New Perspectives Of South American Climate Change On Human Timescales From High-Resolution Lake Sediment Records
Marco Bottino	Restorative Dentistry	Novel Biomaterials-Based Strategy for Dental Pulp Regeneration
Jerome Dumortier	Public Affairs	Changing Agricultural Land-Use In The United States And Its Implications On Ecosystem Services
Hazim El-Mounayri	Mechanical Engineering	Smart Online Monitoring System For Metal-Based Additive Manufacturing Process
Chien-Chi Lin	Biomedical Engineering	HIPPO Pathway In Hepatocellular Carcinoma Cells Cultured In Engineered 3D Matrix
Hongbo Liu	Computer Information and Graphics Technology	Accurate Peer-phone Assisted Indoor Localization System in Mobile Wireless Networks
Samy Meroueh	Biochemistry & Molecular Biology	Small-Molecule Targeting of RAGE Signaling
Jason Meyer	Biology	Characterization And Purification Of Human Stem Cell-Derived Retinal Ganglion Cells
Jingzhi Pu	Chemistry & Chemical Biology	Determining ATPase Mechanism Of ABC-Transporter By Reaction Path Force Matching
Lawrence Quilliam	Biochemistry & Molecular Biology	Targeting YAP To Treat Lung Cancer
Rajesh Sardar	Chemistry & Chemical Biology	Understanding the Formation of Anisotropic Nanostructures for High Performance Optoelectronic Device Applications
Li Shen	Radiology and Imaging Sciences	Computational Strategies for Multi-scale Analysis of Hippocampal Morphometry
YoungJu Shin	Communication Studies	Joint Effects of Entertainment-Education and Interpersonal Communication for Youth Substance Use Prevention
Vincent Starnino	Social Work	Standardization of a Spiritually-Based Intervention for Posttraumatic Stress Disorder
Brian Steensland	Sociology	Spiritual Practices in America
Mu Wang	Biochemistry and Molecular Biology	Proteomic Analysis of Salubrinal's Binding Partners

IDF – International Development Fund

Jiali Han	Epidemiology	Mitochondrial DNA Copy Number And Hepatocellular Carcinoma In A Chinese Han Population
Sungsoo Na	Biomedical Engineering	Establishment of IUPUI-Mie University Mechanobiology Consortium (IMMC)

FORCES – Funding Opportunities for Research Commercialization and Economic Success

Robert Bacallao	Nephrology	Feasibility Pig Study: Novel Method to Treat Hospital Acquired Acute Kidney Injury (AKI)
Thomas Everett	Cardiology	Quantification of sympathetic nerve activity from the skin and implementation into a prototype
Dawn Neumann	Physical Medicine and Rehabilitation	The Emotion Builder: An Intervention for Emotional Deficits after Brain Injury

Nutan Prasain	Pediatrics	Generation of PAD patient iPSC-derived ECFCs
Rajesh Sardar	Chemistry and Chemical Biology	Novel, Ultrasensitive, and Label-Free microRNA Detection Method for Diagnosing Pancreatic Cancer Through a Simple Blood Test
Anantha Shekhar	Psychiatry	High-throughput screening for small molecule inhibitors of nNOS-PSD95
Jian Xie	Mechanical Engineering	Toward the Commercialization of Graphene/V2O5 Hybrids with Exceptionally High Specific Capacity for Li-ion Battery

RTR – Release Time for Research

Maria Brann Jennifer Bute	Communication Studies	Improving Bad News Delivery: Training Residents to Talk about Miscarriage
Holly Cusack-McVeigh	Anthropology	Stories Find You: Sense of Place in the Yup'ik Region
Jeremiah Jagers	Social Work	NIDA-Funded Mentored Scientist Career Development Award
Mark Jaime	Psychology	Neurocognitive Indices of Social impairment in Autism Spectrum Disorder
Paul Mullins	Anthropology	Effaced Heritage: An Archaeology of Absence
Xi Niu	Human-Centered Computing	Should I Stay or Should I Go: Supporting People to Wisely Stop a Search in Information Overload Environment
Joseph Tucker Edmonds	Religious Studies	Wayward Christians: New Christian Movements and the Struggle for Black Freedom

DRIVE – Developing Diverse Researchers with InVestigative Expertise

Marta Alvarez	Orthopaedic Surgery	Regulation of the Hematopoietic Niche by Megakaryocyte-Osteoblast Interactions
Eric Benson	Clinical Pharmacology	Determining Baseline Circulating Exosomal miRNA Kinetics
Yvonne Dutton	Law	Peace Justice Nexus: The Potential Impact of the International Criminal Court on Conflict, Mass Atrocities and Human Rights Violations
Pamela Napier	Visual Communication Design	Teaching the Designer of Today: Preparing Students for Emerging Roles and Skill Sets
Kelly Naugle	Kinesiology	The temporal stability of conditioned pain modulation and temporal summation of pain among healthy older adults
Xia Ning	Computer and Information Science	Recommendation Meets Search
Danielle Riede	Painting	Material Landscape: Site and Form in Contemporary Painting

IAHI – IUPUI Arts and Humanities Internal Grant

Anila Agha	Foundation Studies	Crossing Boundaries
Philip Goff	Religious Studies	Fourth Biennial Conference on Religion and American Culture

Linda Adele Goodine	Photography	Capture a River: St. Johns River, Sound, Time and Space River Capture
Susan Hyatt	Anthropology	From Public to Private Housing: The Transformation of the Welfare State in Post-Thatcher England
Daniel Johnson	Geography	A Virtual Geo-Humanities Exploration of a Mississippian Village for Descendant, Public and Academic Stakeholders
Modupe Labode	History	The Historical Intersections of Mass Incarceration and Mental Health in Indiana
C. Thomas Lewis	Human-Centered Computing	Participatory Filmmaking to Confront HIV Stigma
Caitlin Pollock	University Library	Strange Fruit: Digital Exploration of the Anti-Lynching Campaign of Ida B. Wells, 1892-1900
Danielle Riede	Painting	Material Landscape: Residency & Exhibition in Berlin
Jean Robertson	Art History	Art and the Digital World
Rachel Wheeler	Religious Studies	Singing for the Spirits: Exploring the Role of Music in Identity Formation in an Eighteenth-Century Mohican-Moravian Community
Greg Witkowski	Philanthropy	Hoosier Philanthropy: Understanding the Past, Planning the Future
Iker Zulaica Hernandez	World Languages and Cultures	Current Research on Spanish Demonstratives (Research Monograph)

EMPOWER – Enhanced Mentoring Program with Opportunities for Ways to Excel in Research

Maria Brann	Communication Studies	Mentor: Sarah Wiehe, Pediatrics
Terry Loghmani	Physical Therapy	Mentor: Keith March, Medicine
Yongzhu Fu	Mechanical Engineering	Mentor: Hiroki Yokota, Biomedical Engineering
Crystal Massie	Occupational Therapy	Mentor: Flora Hammond, Medicine and Rehabilitation
Max Moreno	Environmental Health Science	Mentor: Gabriel Filippelli, Earth Sciences
Kelly Naugle	Kinesiology	Mentor: Debbie Thurmond, Pediatrics
Christine Picard	Biology	Mentor: Kathy Marrs, Biology
Frances Russell	Emergency Medicine	Mentor: Jeffrey Kline, Emergency Medicine
Achint Utreja	Orthodontics and Oral Facial Genetics	Mentor: Teresita Bellido, Anatomy and Cell Biology
Whitney Yu	Mechanical Engineering	Mentor: Joe Unthank, Surgery
Fangqiang Zhu	Physics	Mentor: Johnathan Tune, Cellular and Integrative Physiology