

Principal	Project Title	Division(s)
Fall 2014		
Bowen, James D.	<i>Political Economies of the Possible: Contesting Economic Orthodoxy in Latin America</i>	Political Science
Camilo, Gerardo R. Hall, Damon	<i>Social and Ecological Drivers of Pollinator Health: Interdisciplinary Research Strategies for Addressing the Pollinator Conservation Crisis</i>	Biology, Arts & Sciences; Center for Sustainability
DiPaolo, Richard John	<i>The role of IL-22 in Promoting Gastric Cancer</i>	Molecular Microbiology and Immunology
Dorsett, Dale	<i>Control of transcriptional enhancer function by Mediator and cohesin</i>	Biochemistry & Molecular Biology
Elliott, Michael B.	<i>Investigating a novel method to estimate cumulative personal exposure to PM2.5</i>	Biostatistics
Ford, David Alexander	<i>Novel peptidoaldehyde mediators of inflammation derived from leukocyte myeloperoxidase activity</i>	Biochemistry & Molecular Biology
Kolar, Grant Ryan	<i>Complement Opsonization of Photoreceptor Outer Segments and Binding by CR1 in the Retinal Pigmented Epithelium.</i>	Pathology
Miller, Allison J.	<i>Diversity and diversification in North American grapevines (<i>V. riparia</i> and <i>V. rupestris</i>)</i>	Biology
Ordower, Henry M. Sandoval, Ness	<i>Municipal Courts: Role as Revenue Source and Discriminatory Impact</i>	Law; Sociology and Anthropology, Arts & Sciences
Weliver, Phyllis	<i>Sounding Tennyson</i>	English
Windett, Jason H.	<i>The Determinants of Gubernatorial Vetoes: Spatial Proximity Models versus High Veto</i>	Political Science
Zhang, Jinsong	<i>Role of Breast Cancer Anti-Estrogen Resistance Protein BCAR2 in Regulation of AIB1 Transcription and Estrogen Receptor Alpha</i>	Pharmacological & Physiological Science
Znosko, Brent M.	<i>Biophysical characterization of DNA-naphthalimide complexes: Quantitative prediction of aromatic interactions based on thermodynamic and structural data</i>	Chemistry

Principal	Project Title	Division(s)
Spring 2014		
Ayala, Youhna M.	<i>Characterizing the Role of TDP-43-RNA Interactions in Preventing Protein Aggregation</i>	Biochemistry & Molecular Biology
Bodie, Matthew T. Cherry, Miriam McCormick, Marcia	<i>The Law and Business of People Analytics</i>	Law; Business
Burris, Thomas P.	<i>Treating Metastatic Lung Cancer by Pharmacological Inhibition of the Warburg Effect</i>	Pharmacological & Physiological Science
Chang, Yie-Hwa	<i>Develop a novel quantitative MALDI-MS method to monitor cellular proteolytic events</i>	Biochemistry & Molecular Biology
Chaturvedi, Amrita	<i>Effects of Mindfulness Training on Social Emotional and Academic Behaviors of Students with ADHD: A Mixed Methods Study</i>	Educational Studies
Edwards, James L.	<i>Metabolite Tagging for Equal Ionization Mass Spectrometry</i>	Chemistry
Gehring, Adam J.	<i>Personalized Immunotherapy for Chronic Hepatitis B Virus Infection</i>	Molecular Microbiology and Immunology
Lindquist, Will D.	<i>Development of Durable Concrete Pavement using Ground Recycled Glass</i>	Civil Engineering
McHowat, Jane	<i>Lifestyle risk and breast cancer progression</i>	Pathology
Nikolo, Martin	<i>Upper Critical and Irreversibility Magnetic Fields and Magnetic Flux Pinning in High-Temperature Superconductors</i>	Physics
Shah, Gul N.	<i>Mitochondrial Carbonic anhydrases and microvascular disease</i>	IM-Endocrinology
Wold, William S M	<i>Mechanism of Action of Valganciclovir Against Adenovirus Infection in the Immunosuppressed Syrian Hamster Model</i>	Molecular Microbiology and Immunology
Zand, Debra H.	<i>A Pilot Study of Primary Care- Stepping Stones Positive Parenting Program (PC-SS Triple P) with Parents of Children Newly Diagnosed with</i>	Pediatrics

Principal	Project Title	Division(s)
Fall 2013		
Anch, A. Michael	<i>Formation of Prion-Like Aggregates of Alpha-Synuclein in the Rat Brain Following Exposure to 3,4-Dihydroxyphenylacetal-dehyde (DOPAL): Implications for Alpha-Synuclein Aggregation in the Pathogenesis of Idiopathic Parkinson's</i>	Psychology
Cox, Amanda L. Hanes, Dan Chambers, Lisa	<i>Identification of regional sites, data sources, and collaborations to support studies of sustainable river-reservoir systems</i>	Civil Engineering, Parks; Earth and Atmospheric Sciences, A&S
Curley, Jami C.	<i>Head Start Family Financial Capability Project</i>	Instruction-Social Work
Donlin, Maureen J.	<i>Identification and characterization of cell wall stress sensors in the human pathogen <i>Cryptococcus neoformans</i></i>	Biochemistry & Molecular Biology
Ezekiel, Uthayashanker R.	<i>Targeting epigenetics for colon cancer prevention by phytochemicals</i>	Clinical Laboratory Science
Fan, Xiaofeng	<i>Viral discovery in Acute Liver Failure with Unknown Etiology</i>	IM-Gastroenterology and Hepatology
Ginther, James R. Cashion, Debra	<i>A Digital Tool For The Virtual Reconstruction of Broken Books</i>	Theological Studies, A&S; University Library
Gong, Haijun	<i>Computational Analysis of Signaling Pathways in the Cancer</i>	Mathematics and Computer Science
Jain, Ajay K.	<i>New Strategies for Parenteral Nutrition Associated Liver and Gut Disease</i>	Pediatrics
Kaufman, David A.S. Grossberg, George Schwarz, Lauren	<i>Attentional control deficits of early stage Alzheimer's disease</i>	Psychology, A&S; Neurology & Psychiatry, SOM
Knuepfer, Mark M.	<i>Selectivity of Renal Denervation or Deafferentation in Altering Stress Responsiveness</i>	Pharmacological & Physiological Science
McLaughlin, Laura A.	<i>Taste Dysfunction and Quality of Life in Head and Neck Treatment Survivors</i>	Nursing School-Instruction
Neckameyer, Wendi	<i>A Genetic Screen to Identify Genes Important for Neural Circuit</i>	Pharmacological & Physiological Science
Nomi, Takako	<i>Turning around Missouri's persistently low performing schools: Evaluating the impact on students' outcomes after three years of implementation</i>	Educational Studies
Pan, Zaitao	<i>A novel way of using wind forecasts - minimizing fuel consumption of heavy-duty trucks</i>	Earth and Atmospheric Sciences
Rezaie, Alireza	<i>Molecular determinants of the specificity of factor IX and factor IXa interaction with their physiological targets in the extrinsic and intrinsic pathways</i>	Biochemistry & Molecular Biology

Principal	<i>Project Title</i>	Division(s)
Shornick, Laurie	<i>Airway epithelial gene expression during adult and neonatal respiratory viral infection</i>	Biology
Vindigni, Alessandro	<i>Human RECQ1 helicase mechanism of Holliday junction branch migration</i>	Biochemistry & Molecular Biology
Wisbey, David S.	<i>A New Method for Finding Sources of Decoherence in Devices Used for Quantum</i>	Physics

Principal	Project Title	Division(s)
Spring 2013		
Alexander, Theo Yablonsky, Gregory	<i>Advanced Understanding of Nanostructured Materials for Novel Interdisciplinary Applications</i>	Engineering, Chemistry
Ariel, Michael	<i>Neurophysiological Study of Deep Pain Signals within the Rat Reticular Formation</i>	Pharmacological & Physiological Science
Baldan, Angel	<i>A new pathway linking cholesterol and glucose metabolism</i>	Biochemistry & Molecular Biology
Buller, Robert Mark	<i>Adaptation of human norovirus to replicate in a small animal model</i>	Molecular Microbiology and Immunology
Heyduk, Tomasz	<i>Next Generation Sequencing as a Readout in Bioanalytical Assays</i>	Biochemistry & Molecular Biology
Janowiak, Blythe	<i>The contribution of glutathione synthesis in survival and virulence of Group B Streptococcus</i>	Biology
Kennell, John	<i>Mitochondrial-Nuclear Communication in Neurospora</i>	Biology
Lach, Helen	<i>Wireless Home Monitoring of Activity in Older Adults With and Without Fear of Falling to Identify Fall Risk</i>	Nursing School-Instruction
Lin, Reigh-Yi	<i>Developing a model for thyroid disease using mouse induced pluripotent stem cells</i>	Otolaryngology
Ogilvie, Judith	<i>A role for protein kinase G signaling in photoreceptor development & disease: A phosphoproteomic approach</i>	Biology
Seale, Deborah LeRouge, Cynthia	<i>Are baby boomers ready to use technology to take charge of their health in partnership with their health care providers?</i>	Health Informatics & Information Management, Health Management & Policy
Sell, Scott	<i>Macrophage phenotypic modulation to promote wound healing</i>	Biomedical Engineering
Sverdrup, Francis M.	<i>A Chemical Genetics Approach Reveals Epigenetic Modifiers in Facioscapulohumeral Muscular Dystrophy</i>	Center for World Health & Medicine
Zustiak, Silviya	<i>Effect of matrix properties on cancer cell responsiveness to cytotoxic compounds: towards predictive drug screening platforms</i>	Biomedical Engineering

Principal	Project Title	Division(s)
Fall 2012		
Di Paolo, Richard John	<i>Generating a new mouse model to measure vaccine effector and regulatory T cell responses</i>	Molecular Microbiology and Immunology
Dorsett, Dale	<i>Transcriptional control of active genes by the PRC1 Polycomb repressor complex</i>	Biochemistry & Molecular Biology
Eichler, Timothy P. Rule, Ann	<i>Encouraging Women in STEM as a Career Choice: Innovative Methods in Promoting Climate, Weather, and Math Literacy to an all-Girl Middle School</i>	Earth and Atmospheric Sciences
Fearn, Noelle Elizabeth	<i>Evaluation of the St. Louis County Drug and DWI Courts</i>	Sociology and Criminal Justice
George, Sarah L.	<i>Does GB Virus C NS3 serine protease cleave an HIV protein and block an early step in HIV replication?</i>	IM-Infectious Diseases, Allergy & Immunology (IM- IDAI)
Gonzalo-Hervas, Susana	<i>Testing a new modality of treatment for triple-negative breast cancer</i>	Biochemistry & Molecular Biology
Harkins, Amy B.	<i>Effects of Bioactive Glass Composite Sheets for Peripheral Nerve Regeneration</i>	Pharmacological & Physiological Science
Hawiger, Daniel	<i>Hopx-mediated suppression of autoimmunity by regulatory T cells controlled with dendritic cells</i>	Molecular Microbiology and Immunology
Kuljanishvili, Irma	<i>Study of Graphene and Carbon Nanotubes employing novel Scanning Probe Techniques</i>	Physics
Lionberger, Jack M. Salvemini, Daniela	<i>Use of FTY720 (Fingolimod) in the Prevention of Platinum Induced Chemotherapy Induced Peripheral Neuropathy</i>	IM-Hematology and Oncology
Mancini, Michael A.	<i>A qualitative examination of the integration of peer support services in mental health settings</i>	Instruction-Social Work
Peng, Guangyong	<i>Molecular Control of Breast Cancer-induced Immune Suppression for Cancer Immunotherapy</i>	IM-Infectious Diseases, Allergy & Immunology (IM- IDAI)
Shacham, Enbal	<i>Improving Health with Urban Farming</i>	Behavioral Science & Health Education
Weiss, Edward P.	<i>Improvements in insulin sensitivity with calorie restriction, exercise, or both: potential involvement of incretin hormones and systemic</i>	Nutrition and Dietetics
Wu, Yao-Jan	<i>Development of Online Traffic Data Platform for Advanced Traffic Operations and Management</i>	Civil Engineering
Ziegler, Mary R.	<i>Roe's Road Not Taken: Social Movement Struggle, Abortion, and the Supreme Court Decision, 1965-1983</i>	Instruction-Law School

Principal	Project Title	Division(s)
Spring 2012		
Buehler, Jennifer L.	<i>Exploring the Challenges Faced By Dropout and Disconnected Youth Returning to High School</i>	Educational Studies
Eissenberg, Joel Carter	<i>Defining targets of RNA Polymerase II elongation complexes in development</i>	Biochemistry & Molecular Biology
Huang, Jin	<i>Food Insufficiency, Income Volatility, and Asset Holding in Low- to Middle-income Households: A Comparison Before and After Economic Recession, 2005-2010</i>	Instruction-Social Service
Huang, Jung San	<i>Mechanism by Which CRSBP-1 Ligands Unbutton Lymphatic Intercellular Junctions</i>	Biochemistry & Molecular Biology
Kiss, Istvan Zalan	<i>Engineering Dynamical Complexity of Chemical Reaction Networks</i>	Chemistry
Korolev, Sergey	<i>Structure-functional studies of recombination mediator proteins</i>	Biochemistry & Molecular Biology
Liu, Jianguo	<i>IFN-lambda3 promoter polymorphisms and hepatitis C virus clearance</i>	IM-Infectious Diseases, Allergy & Immunology (IM-IDAI)
Ray, Ranjit	<i>Induction of Epithelial-mesenchymal Cell Transition Program into Primary Human Hepatocytes by Hepatitis C Virus</i>	IM-Infectious Diseases, Allergy & Immunology (IM-IDAI)
Samson, Willis	<i>Novel Hormonal Control of Reproduction</i>	Core Graduate Student Training
Scharff, Darcell P. Slavin, Stuart White, Norman	<i>Sharing Responsibility, Improving Community Health</i>	Behavioral Science & Health Education, Medicine, Sociology & Criminal Justice
Sprague, Randy S. Dergunov, Sergey	<i>Targeted Delivery of Phosphodiesterase Inhibitors to Erythrocytes: Implication for the Treatment of Vascular Disease in Type 2 Diabetes</i>	Pharmacological & Physiological Science, Chemistry
Swartwout, Michael A.	<i>Space Mission Failures: Re-Examining History through Guided Statistical Analysis</i>	Aerospace & Mechanical Engineering
Windett, Jason Wolff, Michael	<i>Evaluating Institutions, Behavior, and Outcomes in American State Supreme Courts</i>	Political Science, Law
Yap, Mee-Ngan	<i>Mechanistic Basis for Antibiotic-Induced Resistance</i>	Biochemistry & Molecular Biology

Principal	Project Title	Division(s)
Fall 2011		
Arend, Lauren	<i>From Gut Instinct to Reflective Practice: How early childhood education leaders develop a human resource management philosophy</i>	Educational Studies
Artal, Raul	<i>Lifestyle Intervention ForEver: Healthy Weight for Pregnancy and Birth</i>	Obstetrics, Gynecology Administration + Psychology
Baldan, Angel	<i>miR-33: a new player in glucose homeostasis and diabetes</i>	Biochemistry & Molecular Biology
Chang, Jen Jen	<i>Shift Work During Pregnancy And Preeclampsia</i>	Public Health-Instruction + Nursing
Fishman, Jack	<i>The Ozone Bio-indicator Garden: An Interdisciplinary Education and Public Outreach Initiative to Demonstrate the Concept of Global Change</i>	Earth and Atmospheric Sciences
Ganning, Joanna	<i>Modeling the Spatial Heterogeneity of Suburbanization across Missouri as an Input to the Study of Aquatic Biodiversity</i>	Public Policy Studies
Gilbert, Keon	<i>National Health and Education Study of Black Males: A Pilot Study</i>	Public Health-Instruction
Halloran, Donna	<i>Expansion of STRING: A Study of Rapid Infant Growth</i>	Pediatrics + Nutrition and Dietetics
Heyduk, Tomasz	<i>Ribosome display based strategy for peptide-based assays for antibodies</i>	Biochemistry & Molecular Biology
Kisselev, Oleg	<i>Regulation of Signal Amplification by Transducin $\beta\gamma$-complex</i>	Ophthalmology
Ma, Jianfeng	<i>Numerical Investigation of Ductile Regime Machining of Nanocrystalline Hydroxyapatite Bioceramic for Orthopedic Implant Application</i>	Aerospace & Mechanical Engineering
Morrison, Lynda	<i>Generation and functional domains of novel forms of the HSV-2 ICP34.5 polypeptide</i>	Molecular Microbiology and Immunology
Pinkhassik, Evgueni	<i>Robust Sensing Platform Based on Dye-Loaded Porous Nanocapsules</i>	Chemistry
Sandoval, Juan	<i>Mapping Risks and Resilience in Saint Louis (MaRRS): An Applied Approach to Achieve Socio-Environmental Synthesis</i>	Sociology and Criminal Justice + Public Health + Arts & Sciences + Earth & Atmospheric Sciences
Schuening, Friedrich	<i>Directed differentiation of induced pluripotent stem cells into hematopoietic stem cells</i>	IM-Hematology and Oncology
Vindigni, Alessandro	<i>Role of the human RECQ1 helicase in the rescue of stalled or damaged DNA replication forks</i>	Biochemistry & Molecular Biology
Wang, David	<i>The Role of a Novel Estrogen Receptor GPR30 in Cholesterol Cholelithogenesis</i>	IM-GI and Hepatology
Warren, Daniel	<i>Mechanical Properties of Bone and Shell from Overwintering Turtles</i>	Biology

Principal	Project Title	Division(s)
Spring 2011		
Aldridge, Robert	<i>The role of sexual segment of the kidney secretions in reproduction in snakes</i>	Biology
Aurora, Rajeev	<i>Contrasting the microbiome of the healthy and chronically inflamed sinus</i>	Molecular Microbiology and Immunology
Bishop, Jeffrey	<i>The Problem of Pain</i>	Center For Health Care Ethics; English; Philosophy;
Bowen, James	<i>Sustainable Development and 'Desarrollo Sostenible' in Latin America</i>	Political Science
Chen, Anping	<i>Mechanisms of curcumin in eliminating the leptin impact on the depletion of lipids in hepatic stellate cells</i>	Pathology
Downes, Brian	<i>Elucidating the Role of Membrane- anchored Ubiquitin-fold Proteins in Mono- ubiquitylation using in vitro Biochemical Methods</i>	Biology
Ford, David	<i>Lipid oxidation products of atomic oxygen: Identification of novel lipid candidate mediators and biomarkers of cardiovascular disease</i>	Biochemistry & Molecular Biology; Chemistry
Kennell, John	<i>Pathogen-specific biomarkers & novel mitochondrial gene products in Fusarium</i>	Biology
Macarthur, Heather	<i>The Use of Microchip Analytical Systems for Quantifying Neuronal Co- Transmission</i>	Pharmacological & Physiological Science; Chemistry
McHowat, Jane	<i>Cyclophosphamide-induced cystitis in the iPLA2 beta knockout mouse</i>	Pathology
Miller, Eric J.	<i>Do Structural Rather than Therapeutic Factors Determine the Placement of Offenders in Mental Health Courts?</i>	Instruction-Law School
Mitchell, Kyle	<i>Evaluation of Off-The-Shelf hardware for Musculoskeletal Ergonomic Assessment</i>	Electrical and Computer Engineering
Perkinson, Margaret A.	<i>Community-Based Research on Resources and Needs of Older Adults in a Developing Country</i>	Occupational Science & Occupational Therapy
Stephenson, Alan H.	<i>Increasing Erythrocyte Deformability to Rescue Low Oxygen Tension-Induced ATP Release in Erythrocytes of Humans with Type 2 Diabetes</i>	Pharmacological & Physiological Science
Tavis, John E.	<i>Biochemical characterization of the HBV RNaseH as a novel drug target</i>	Molecular Microbiology and Immunology
Vander Wal, Jillon S.	<i>Progressive muscle relaxation with or without exercise for the treatment of night eating</i>	Psychology
Varvares, Mark	<i>Cancer Music Therapy Pilot Study</i>	Otolaryngology; Fine and Performing Arts

Principal	Project Title	Division(s)
Fall 2010		
Barber, Janet C.	<i>A Bioinformatic Network for Understanding the Systematics of Acaronesian Sideritis L</i>	Biology
Chang, Yie-Hwa	<i>Develop new anti-tuberculosis antibiotics</i>	Biochemistry & Molecular Biology
Gould, Mary R.	<i>Assessing the social and intellectual effects of a college-in-prison program at the Eastern Reception, Diagnostic and Correction Center</i>	Communication
Grandgenett, Duane	<i>The Three-Dimensional Structure of the Intact Avian Retrovirus Integrase and Its Biological Significance</i>	Institute for Molecular Virology
Gratton, Michael Anne	<i>Nanomedicine for Amelioration of Cisplatin Ototoxicity</i>	Otolaryngology
Hauptman, Paul J.	<i>Collaborative Decision Making in Cardiac Device Therapy</i>	IM-Cardiology
Hawiger, Daniel	<i>A role of transcription co-factor Hopx in induced regulatory T cells that protect from inflammatory bowel disease</i>	Molecular Microbiology and Immunology
Janowiak, Blythe	<i>The role of glutathione synthesis in Group B Streptococcus during an infection</i>	Biology
Kiefer, Susan M.	<i>The role of Sall1 in ureter maturation and vesicoureteral reflux</i>	IM-Nephrology
Letscher, David M.	<i>Persistent Knot Detection</i>	Mathematics and Computer Science
Lin, Reigh-Yi	<i>The role of cancer stem cells in anaplastic thyroid cancer</i>	IM-Endocrinology
Miller, Allison J.	<i>A mechanism underlying sterility in clonally propagated crops: self- incompatibility when mates are limited</i>	Biology
Moore, Terry L.	<i>Aberrant IgG Galactosylation in Juvenile Idiopathic Arthritis</i>	IM-Rheumatology
Neckameyer, Wendi	<i>Identification of Trophic Factors for the Development of Neural Circuitry</i>	Pharmacological & Physiological Science
Ogilvie, Judith M.	<i>Assays and lead compound identification for novel retinal degeneration therapies</i>	Biology
Peng, Guangyong	<i>Functional Reversal of Human Regulatory T Cell Suppression Via TLR8 Signaling</i>	IM-Immunobiology
Ray, Ratna B.	<i>MicroRNA-29b: A novel approach to targeting prostate cancer</i>	Pathology
Siddali, Silvana R.	<i>Race, Rights, and Self-Government in the Old Northwest</i>	History
Vaughn, Michael G.	<i>Using Hospital Emergency Department Contact to Prevent Youth Violence</i>	Instruction-Social Service
Wray, Richard J.	<i>Chew on This: Smokeless Tobacco on YouTube</i>	Public Health-Instruction

Principal	<i>Project Title</i>	Division(s)
Znosko, Brent M.	<i>Understanding DNA-Intercalator Complexes Using Substituted Naphthalimides as a Model</i>	Chemistry

Principal	Project Title	Division(s)
Spring 2010		
Baldan, Angel	<i>The role of miR-33 in reverse cholesterol transport and in bile excretion</i>	Biochemistry & Molecular Biology
Chinnadurai, G	<i>A mouse model for human adenovirus replication and apoptosis</i>	Institute for Molecular Virology
Di Bisceglie, Adrian	<i>Virus Discovery by Pyrosequencing</i>	IM-Administration
Dorsett, Dale	<i>Genome-wide effects of cohesin on gene expression in developing Drosophila wing and</i>	Biochemistry & Molecular Biology
Enkvetchakul, Decha	<i>Structural Mechanisms of Ligand Gating and Pore Block in Kir Channels</i>	Pharmacological & Physiological Science
Fisher, Johnathan S.	<i>Mechanism for persistent increase in insulin</i>	Biology
Gaynor, Mark	<i>Native American diabetes Self-Management (NADSM)</i>	Health Management & Policy
Harkins, Amy	<i>Neurons and Quantum Dots as an Environmental Biosensor</i>	Pharmacological & Physiological Science
Klein, Claudette Baldassare, Joseph	<i>Targeted Zinc Delivery: A Novel Treatment for Prostate Cancer</i>	Pharmacological & Physiological Science
Knouft, Jason	<i>Climate and local adaptation to temperature and flow regimes in the Bluntnose Minnow (Pimephales notatus)</i>	Biology
Liu, Jianguo	<i>Role of IL-27 in protective immune response against mycobacterium tuberculosis</i>	IM-Infectious Diseases, Allergy & Immunology (IM-IDAI)
Malik, Arif	<i>Structural Optimization of Insect-Inspired Micro Air Vehicles</i>	Aerospace & Mechanical Engineering
Monti, Daniel	<i>Impact of Corporately-Sponsored Redevelopment on Real Estate Values in St. Louis</i>	Sociology & Anthropology
Spencer, Susan	<i>Characterization of calcyphosine, a potential target of EGFR signaling</i>	Biology
Sprague, Randy	<i>Effect of Type 2 Diabetes on the Erythrocyte and Vascular Control</i>	Pharmacological & Physiological Science
Temprano, James	<i>The Effect of Estrogen and Progesterone on Allergen Induced Cytokine Production from House-Dust Mite Allergic Individuals</i>	IM-Infectious Diseases, Allergy & Immunology (IM-IDAI)
Willoughby, Lisa	<i>Health service utilization among older new Americans: A cross-cultural community-based study of immigrants and refugees in St. Louis</i>	Psychology
Wulamu, Abuduwasiti	<i>Monitoring mining subsidence and its environmental effects in Illinois using space-borne Synthetic Aperture Radar</i>	Center for Sustainability

Principal	Project Title	Division(s)
Fall 2009		
Armbrecht, Harvey	<i>Changes in Vitamin D Metabolism with Age - Effect of FGF-23 and Klotho</i>	IM-Geriatrics
Baum, Dana	<i>Redox Deoxyribozymes for Biofuel Cells</i>	Chemistry
Buskirk, Trent	<i>An App a Day Could Keep the Doctor Away: Measuring Trends in Availability and Use of Health and Prevention Related Smartphone Apps on a National Scale</i>	Health Management & Policy
Chinnadurai, G.	<i>A common mechanism of oncogenesis restriction by adenovirus E1A and low-risk human papilloma virus E6</i>	Institute for Molecular Virology
Chrivia, John	<i>Regulation of pTEFb activity by the SRCAP chromatin-remodeling complex</i>	Pharmacological & Physiological Science
Di Paolo, Richard John	<i>Large scale sequence analysis to determine the extent of overlap between T cell receptors expressed by T regulatory cells and non-regulatory cells</i>	Molecular Microbiology and Immunology
Fu, Qiang	<i>Moderational Effects of Demographic Characteristics on Associations between Overweight/Obesity and Mental Disorders</i>	Biostatistics
Ginther, James	<i>Creating an Interface between Digital Archives and the Editor's Task</i>	Theological Studies
Jelliss, Paul A	<i>Rhenacarboranes as drug delivery vehicles across the blood-brain barrier</i>	Chemistry
Kiss, Istvan Zalan	<i>Complex temporal and spatial behavior of electrochemical systems: microfluidic flow cells and bioelectrocatalysis</i>	Chemistry
Martin, R. Scott	<i>Microchip-based Blood Brain Barrier Mimic</i>	Chemistry
Miller, Cheryl	<i>Tissue Engineering and Asthma</i>	Surgery Transplant
Morrison, Lynda	<i>Mechanisms regulating expression and modification of the herpes simplex virus 2 neurovirulence factor ICP34.5</i>	Molecular Microbiology and Immunology
Organ, Jason	<i>Dental and Skeletal Analysis of Archaeological Remains in the Medieval British Isles</i>	Center for Anatomical Science and Ed
Salvemini, Daniela	<i>Role of peroxynitrite in the development of chemotherapy-induced neuropathic pain</i>	Pharmacological & Physiological Science
Shornick, Laurie	<i>The role of maternal immune factors in breastmilk on the neonatal response to respiratory viral infection</i>	Biology
Skowyra, Dorota	<i>New regulators of the proteasome function</i>	Biochemistry & Molecular Biology
Sly, William S.	<i>Investigation of human carbonic anhydrase IV for use in carbon capture</i>	Biochemistry & Molecular Biology

Principal	Project Title	Division(s)
Stark, William	<i>Visual receptor cells as a model system to understand how cells target gene products to the correct locations</i>	Biology
Swartwout, Michael	<i>Experiments in Thruster Plume Detection Using Infrared and Ultraviolet Imagers for Space Situational Awareness</i>	Aerospace & Mechanical Engineering
Tavis, John	<i>HCV Covariance Networks as Biomarkers of Non-response to Therapy</i>	Molecular Microbiology and Immunology
Teague, Ryan	<i>Engineering a novel mouse model of prostate cancer immunotherapy</i>	Molecular Microbiology and Immunology
Tetri, Brent	<i>A pilot study of trans-fat induced liver injury</i>	IM-Gastroenterology and Hepatology
Ulmasov, Barbara	<i>NNT - new player in pancreatitis</i>	IM-Gastroenterology and Hepatology
Zassenhaus, Hans Peter	<i>A Technology for Digital Biology and Ultrasensitive Diagnostics</i>	Molecular Microbiology and Immunology