

New Federal Awards

Name	Amount	Granting Agency	Grant Title
Anatomy & Neurobiology			
Joseph F. Cheer, PhD	\$259,875	NIH / NIDA	Cannabinoid Receptor Mechanisms in Accumbal Encoding of Extinction Learning
Iris Lindberg, PhD	\$389,264	NIH / NIDDK	Control of Peptide Hormone Biosynthesis by PC2 and 7B2
	\$187,500	NIH / NIDDK	Identification of Novel Peptide Hormones
Steven D. Munger, PhD	\$442,027	NIH / NIDCD	Transduction Mechanisms and CNS Targets of GC-D Neurons
Patricio O'Donnell, MD, PhD	\$352,121	NIH / NIDA	Animal Model of Dual Diagnosis
	\$300,000	NIH / NIMH	Electrophysiology of the Prefrontal Cortex
	\$187,500	NIH / NIMH	Errors and Expectancies in OFC and VTA and Their Roles in Associative Learning
Elizabeth M. Powell, PhD	\$75,000	NIH / NIMH	Electrophysiology of the Prefrontal Cortex
	\$279,793	NIH / NIDA	Mechanisms of Forebrain Development
Geoffrey M. Schoenbaum, MD, PhD	\$187,500	NIH / NIMH	Errors and Expectancies in OFC and VTA and Their Roles in Associative Learning
	\$300,000	NIH / NIMH	Role of Orbitofrontal Cortex and Outcome Expectancies in Associative Learning
Yuji Takahashi, PhD	\$88,301	NIH / NIMH	Role of Prefrontal Circuits in Cognitive Flexibility

Name	Amount	Granting Agency	Grant Title
Biochemistry & Molecular Biology			
Richard L. Eckert, PhD	\$430,818	NIH / NCI	Bmi-1 and Skin Cancer Prevention
	\$181,346	NIH / NIAMS	MAP Kinases Regulate Involucrin Gene Expression
Joseph R. Lakowicz, PhD	\$474,030	NIH / NCRR	Fluorescence Lifetime Imaging Microscopy (FLIM)
Maria Nurminsky, PhD	\$225,000	NIH / NIDDK	Regulation of Osteoblast Maturation by Transglutaminases
Martin F. Schneider, PhD	\$326,700	NIH / NIAMS	Activity Dependent Signaling in Adult Skeletal Muscle Fiber Plasticity
	\$514,445	NIH / NIAMS	Interdisciplinary Training Program in Muscle Biology
Henryk Szmanski, PhD	\$237,075	NIH / NCI	Method for Detection of Secreted Proteins in Single Cell Assays
David J. Weber, PhD	\$7,994,900	NIH / NCRR	950 MHz NMR Spectrometer with Cryogenic Probe
Gerald M. Wilson, PhD	\$265,973	NIH / NCI	Mechanisms Directing Oncoprotein and Cytokine mRNA Decay

Name	Amount	Granting Agency	Grant Title
Biomedical Engineering & Technology			
Iliia V. Baskakov, PhD	\$297,000	NIH / NINDS	Self-Propagating Mechanism of Prion Diseases
W. Jonathan Lederer, MD, PhD	\$103,950	NIH / NHLBI	Strain Controlled LVAD Unloading and Post MI Remodeling

Name	Amount	Granting Agency	Grant Title
Center for Integrative Medicine			
Brian M. Berman, MD	\$475,059	NIH / NCCAM	Cochrane Collaboration CAM Field: Resource for Research
Kevin W. Chen, PhD, MPH	\$185,625	NIH / NIDA	Treatment of Cocaine Addiction with Integrative Meditation

Name	Amount	Granting Agency	Grant Title
Center for Shock, Trauma & Anesthesiology Research			
Alan I. Faden, MD	\$247,223	NIH / NINDS	Cell Cycle Pathways and Spinal Cord Injury
	\$463,747	NIH / NINDS	Mechanisms and Modulation of Cell Death in Traumatic Brain Injury (TBI)
Gordon S. Smith, MB, ChB, MPH	\$400,628	NIH / NIAAA	Alcohol Involvement in a Cohort of Trauma Patients: Trends and Future Mortality
	\$575,339	NIH / NIAAA	Hangovers and Traffic Injuries: Is Alcohol's Influence Greater Than Expected?

Name	Amount	Granting Agency	Grant Title
Center for Stem Cell Biology & Regenerative Medicine			
Curt I. Civin, MD	\$222,750	NIH / NIDDK	MicroRNAs Regulating Erythroid Development

Name	Amount	Granting Agency	Grant Title
Center for Vaccine Development			
Eileen M. Barry, PhD	\$12,400	Bechtel National, Inc.	Biological Threat Reduction Program (BTRP) Outside Russia Project
Miriam K. Laufer, MD	\$1,457,854	NIH / NIAID	Clinical Trial of Chloroquine Weekly or as IPT to Prevent Malaria in Pregnancy in Malawi
James P. Nataro, MD, PhD	\$834,917	NIH / NIAID	Live Attenuated Bacterial Vaccines Against Plague
	\$459,436	NIH / NIAID	Virulence in Enterotoxigenic Escherichia coli
Marcela Pasetti, PhD	\$683,858	NIH / NIAID	A. L. Lactis-Based Vaccine for Children with Broad Spectrum for Enteric Pathogens
Christopher V. Plowe, MD, MPH	\$126,522	Fogarty International Center	Malaria Research Training in Mali
Marcelo B. Szein, MD	\$2,924,203	NIH / NIAID	CCHI: Mucosal Immunity, Vaccines and Microbiota Interplay in Humans and Animal Models

Name	Amount	Granting Agency	Grant Title
Center for Vascular & Inflammatory Diseases			
Svetlana P. Chapoval, MD, PhD	\$187,500	NIH / NIAID	Immune Semaphorins in Allergic Airway Inflammation
Rajabrata Sarkar, MD, PhD	\$451,423	NIH / NHLBI	Mechanisms of MMP-2 Transcription in Hindlimb Ischemia
Dudley K. Strickland, PhD	\$1,623,446	NIH / NHLBI	Information Signaling Pathways in the Vasculature
	\$375,000	NIH / NHLBI	Regulation of Factor VIII Levels and Activity by Members of LDL Receptor Family
Jeffrey A. Winkles, PhD	\$311,250	NIH / NCI	TWEAK-Fn14 Signaling in the Tumor Microenvironment

Name	Amount	Granting Agency	Grant Title
Epidemiology & Public Health			
Anthony D. Harris, MD, MPH	\$180,891	NIH / NIAID	Epidemiology of Emerging Pathogens Among Hospitalized Patients
Jay S. Magaziner, PhD, MSHyg	\$302,504	NIH / NIA	Research Training in the Epidemiology of Aging
Ram R. Miller, MD, CM	\$161,730	NIH / NIA	Consequences of Inflammation on Muscle Following Hip Fracture

Name	Amount	Granting Agency	Grant Title
Institute of Human Virology			
William A. Blattner, MD	\$596,825	Fogarty International Center	IHV/UMB AIRTP in Brazil, the Caribbean & Nigeria
Manhattan Charurat, PhD	\$292,795	NIH / NIAID	Acute HIV Infection and Pregnancy
Charles D. Pauza, PhD	\$308,138	NIH / NCI	Mechanisms for Depleting Tumor Immunity in AIDS
Lai-Xi Wang, PhD	\$282,150	NIH / NIGMS	Convergent Chemoenzymatic Synthesis of Glycopeptides and Glycoproteins

Name	Amount	Granting Agency	Grant Title
Medical & Research Technology			
Jianyuan Luo, PhD	\$210,500	NIH / NIA	Regulation WRN Deacetylation by SIRT1 after DNA Damage

Name	Amount	Granting Agency	Grant Title
Medicine			
Yen-Pei C. Chang, PhD	\$13,903	NIH / NIDDK	Relationship between STK39 Genotypes, Salt Sensitivity, HCTX-ind
Michael S. Donnenberg, MD	\$165,000	NIH / NCI	Escherichia coli and Colorectal Carcinogenesis
Andrew P. Goldberg, MD	\$169,674	NIH / NIA	Research Training: The Biology of Exercise in Aging
Simeon E. Goldblum, MD	\$375,000	NIH / NHLBI	Endotoxin/TLR4 Signaling Regulates Lung Endothelial Paracellular Pathways
Irina Luzina, MD, PhD	\$74,250	NIH / NIAMS	Integrin Dependent T Cell-Mediated Mechanism of Pulmonary Fibrosis
Michael Miller, MD	\$189,000	NIH / NHLBI	Unraveling the Genetic Architecture of Very High HDL Cholesterol Through Transcriptome Resequencing
Raymond B. Penn Jr., PhD	\$395,000	NIH / NHLBI	Arrestin Selectivity for GPCRs in Airway Smooth Muscle
Alice S. Ryan, PhD	\$474,541	NIH / NIA	Aging, Inflammation and Exercise in Chronic Stroke
William C. Stanley, PhD	\$658,772	NIH / NHLBI	Docosahexaenoic Acid for Treatment of Heart Failure
Aiping Zhao, MD	\$371,250	NIH / NIDDK	Novel Cytokine Regulation of Gut Function and Inflammation

Name	Amount	Granting Agency	Grant Title
Microbiology & Immunology			
Abdu F. Azad, PharmD, PhD, MPH	\$300,000	NIH / NIAID	Interspecific Competition Between Rickettsiae in Ticks
	\$569,675	NIH / NIAID	Murine Typhus: Vector Biology and Transmission
Nicholas Carbonetti, PhD	\$262,500	NIH / NIAID	Development of a Monkey Model of Bordetella pertussis Infection and Disease
Matthew B. Frieman, PhD	\$108,000	NIH / NIAID	Inhibition of the Innate Immune Response by the SARS Coronavirus
Andrei E. Medvedev, PhD	\$187,500	NIH / NIAID	TLR4 Mutations: Molecular Mechanisms of Impaired LPS Sensitivity
John B. Sacci Jr., PhD	\$74,250	NIH / NIAID	Plasmodium Induced New Permeation Pathways During Hepatocyte Infection
Vladimir Y. Toshchakov, PhD	\$375,000	NIH / NIAID	Deciphering the Architecture of TLR Signaling Complexes
Stefanie Vogel, PhD	\$865,601	NIH / NIAID	Differentiative Signals for Macrophage Activation

Name	Amount	Granting Agency	Grant Title
Mucosal Biology Research Center			
Alessio Fasano, MD	\$315,563	NIH / NIDDK	Zot, Zonulin, and Pathophysiology of Intestinal Tight Junctions
	\$148,500	NIH / NCCAM	VSL for Asthma

Name	Amount	Granting Agency	Grant Title
Neurosurgery			
Vladimir V. Gerzanich, MD, PhD	\$328,125	NIH / NINDS	TRPM4 Channel in Spinal Cord Injury

Name	Amount	Granting Agency	Grant Title
Obstetrics, Gynecology & Reproductive Sciences			
Eugene D. Albrecht, PhD	\$604,223	NIH / NICHD	Regulation of Fetal-Placental Development in the Primate
Loren P. Thompson, PhD	\$337,500	NIH / NHLBI	Fetal Hypoxemia and Endothelium-Derived Nitric Oxide

Name	Amount	Granting Agency	Grant Title
Pediatrics			
Cynthia F. Bearer, MD, PhD	\$297,000	NIH / NIAAA	The Role of Lipid Rafts in Fetal Alcohol Spectrum Disorder
Maureen M. Black, PhD	\$644,936	NIH / NICHD	Challenge in Schools: Adolescent Overweight Prevention
Steven J. Czinn, MD	\$308,705	NIH / NIDDK	Mucosal Immunology of Helicobacter Induced Gastritis
Pinaki Panigrahi, MD, PhD	\$442,129	NIH / NICHD	Prevention of Neonatal Infection in the Indian Community

(New Federal Awards continued on back)

KEY:

NCI = National Cancer Institute
 NCCAM = National Center for Complementary and Alternative Medicine
 NCRR = National Center for Research Resources
 NHGRI = National Human Genome Research Institute
 NHLBI = National Heart, Lung and Blood Institute
 NIA = National Institute on Aging
 NIAAA = National Institute on Alcohol Abuse and Alcoholism
 NIAID = National Institute of Allergy and Infectious Diseases
 NIAMS = National Institute of Arthritis and Musculoskeletal and Skin Diseases
 NICHD = National Institute of Child Health and Human Development
 NIDCD = National Institute on Deafness and Other Communication Disorders
 NIDDK = National Institute of Diabetes and Digestive and Kidney Diseases
 NIDA = National Institute on Drug Abuse
 NIGMS = National Institute of General Medical Sciences
 NIMH = National Institute of Mental Health
 NINDS = National Institute of Neurological Disorders and Stroke

(New Federal Awards continued)

Name	Amount	Granting Agency	Grant Title
Pharmacology & Experimental Therapeutics			
Edson X. Albuquerque, MD, PhD	\$710,712	NIH / NINDS	Age and Sex Effects on Nerve Agent Damage to the Brain and Antidotal Therapies
	\$760,086	Defense Threat Reduction Agency	Galantamine and Anticonvulsants in the Treatment of Nerve Agent Toxicity
	\$324,845	NIH / NINDS	Nicotinic Receptor & Hippocampal Synaptic Function
Angela H. Brodie, PhD	\$115,923	NIH / NCI	Aromatase and Breast Cancer
Laundette P. Jones, PhD	\$9,281	NIH / NIDDK	Is BRCA1 a Novel Regulator of Adiposity and Energy Balance?
Yun Qiu, PhD	\$225,000	US Army Medical Research & Mater- ial Command	The Role of a Novel AR Splice Variant in Prostate Cancer
Jordan E. Warnick, PhD	\$137,052	NIH / NIA	Short-term Training Program on Aging

Name	Amount	Granting Agency	Grant Title
Physiology			
Bradley E. Alger, PhD	\$288,149	NIH / NIDA	Endocannabinoids and GABA-ergic Control of Plasticity
	\$275,770	NIH / NIMH	Interactions among Hippocampal Interneuron Circuits
Thomas A. Blanpied, PhD	\$315,563	NIH / NIMH	Internal Dynamics of the Postsynaptic Density
Robert J. Bloch, PhD	\$294,030	NIH / NIAMS	Organization of Sarcoplasmic Reticulum in Skeletal Muscle
Richard M. Lovering, PhD	\$132,440	NIH / NIAMS	The Role of Intermediate Filaments in Skeletal Muscle Injury and Disease
Andrea L. Meredith, PhD	\$90,000	National Science Foundation	Circadian Patterning of Neuronal Activity and Behavior
	\$375,000	NIH / NHLBI	Daily Regulation of Ionic Currents
Mark A. Rizzo, PhD	\$297,000	NIH / NIDDK	Regulatory Mechanisms of Insulin Secretion
Scott M. Thompson, PhD	\$377,769	NIH / NIMH	Stress, Depression, Serotonin, and Plasticity of Excitatory Transmission
Paul A. Welling, MD	\$375,000	NIH / NIDDK	Molecular Mechanism of ROMK Channel Function

Name	Amount	Granting Agency	Grant Title
Program in Comparative Medicine			
Louis J. Detolla Jr., VMD, PhD	\$398,222	Office of Naval Research	Chimerism and Tolerance in Composite Tissue Transplantation

Name	Amount	Granting Agency	Grant Title
Program in Oncology			
Ashraf Z. Badros, MD, ChB	\$189,000	NIH / NIDCR	Role of Salivary Bisphosphonates in Osteonecrosis of the Jaw in Myeloma Patients
Martin J. Edelman, MD	\$269,933	NIH / NCI	Telemere Targeted Therapy in Lung Cancer
Dhan V. Kalvakolanu, PhD	\$269,713	NIH / NCI	Cytokine Modulated Model Growth Inhibitory Mechanisms
Stuart S. Martin, PhD	\$282,150	NIH / NCI	Stabilized Microtubule Protrusions in Detached Mammary Epithelial Cells
Koji Tamada, MD, PhD	\$337,500	NIH / NHLBI	LIGHT Co-Stimulatory Therapy on GVHD and GVL

Name	Amount	Granting Agency	Grant Title
Psychiatry			
William T. Carpenter Jr., MD	\$2,830,485	NIH / NCRR	A 3T Scanner for Establishing UM MPRC Neuroimaging Research Facility
James M. Gold, PhD	\$123,399	NIH / NIMH	4/5 Cognitive Neuroscience Task Reliability & Clinical Applications Consortium
Todd D. Gould, MD	\$187,500	NIH / NIMH	A Genetic and Behavioral Model for the Human Response to Lithium
Seth Himelhoch, MD, MPH	\$265,893	NIH / NIMH	Developing Telephone CBT for HIV Related Depression
Laura M. Rowland, PhD	\$144,982	NIH / NIMH	Neural Plasticity During Relational Learning in Schizophrenia
Gunvant K. Thaker, MD	\$896,073	NIH / NIMH	Bipolar & Schizophrenia Consortium for Parsing Intermediate Phenotypes
Ikwunga O. Wonodi, MBBS	\$244,286	NIH / NIMH	A Genetic and PET Imaging Study of a Schizophrenia Endophenotype

Name	Amount	Granting Agency	Grant Title
Radiation Oncology			
Warren D. D'Souza, PhD	\$306,826	NIH / NCI	High-Throughput Computing for a Multi-Plan Framework in Radiotherapy
Wei Lu, PhD	\$148,543	NIH / NCI	PET-Guided Tumor Volume Delineation for Radiation Therapy

Name	Amount	Granting Agency	Grant Title
Surgery			
Stephen T. Bartlett, MD	\$3,187,200	Office of Naval Research	Chimerism and Tolerance in Composite Tissue Transplantation
Bartley P. Griffith, MD	\$682,755	NIH / NHLBI	Development of an Artificial Pump-Lung for Respiratory Failure
	\$692,367	NIH / NHLBI	Strain Controlled LVAD Unloading and Post MI Remodeling
Zhongjun Wu, PhD	\$370,000	NIH / NHLBI	Linking Multiscale Dynamics of Shear-induced Blood Damage to CFD modeling

New Non-Federal Awards

Name	Amount	Granting Agency	Grant Title
Anatomy & Neurobiology			
Steven D. Munger, PhD	\$124,981	Ajinomoto Company	Modulation of Umami Sensing in the Taste and Digestive Systems
Patricio O'Donnell, MD, PhD	\$100,000	NARSAD	Oxidative Stress During Development and Inhibitory Circuits in Schizophrenia Models
Elizabeth M. Powell, PhD	\$115,000	TEDCO	Ligand Presentation Directs Neural Stem Cell Fate Decisions

Name	Amount	Granting Agency	Grant Title
Biochemistry & Molecular Biology			
Richard L. Eckert, PhD	\$226,250	TEDCO	Efficient Derivation of Epidermis-Derived Multipotent Stem Cells using Zero Footprint Transduction Technology
Joseph R. Lakowicz, PhD	\$125,000	TEDCO	Plasmon-Controlled Fluorescence and its Application to Fluorescence Sensing
Maria Nurminsky, PhD	\$100,000	TEDCO	Regulation of Stem Cell-Based Cartilage Bioengineering by Transglutaminase
Qun Zhou, MD, PhD	\$100,000	TEDCO	Targeting Cancer Stem Cells, a Novel Therapy for Endocrine Resistant Breast Cancer

Name	Amount	Granting Agency	Grant Title
Center for Shock, Trauma & Anesthesiology Research			
Thomas M. Scalea, MD	\$499,981	National Highway Traffic Safety Administration	Crash Injury Research and Engineering Network (CIREN)
Deborah M. Stein, MD, PhD	\$429,317	Neuren Pharmaceuticals	A Randomized, Double-Blind, Placebo-Controlled, Dose-Escalation Study of NNZ-2566 in Patients with Traumatic Brain Injury

Name	Amount	Granting Agency	Grant Title
Center for Stem Cell Biology & Regenerative Medicine			
Curt I. Civin, MD	\$222,578	TEDCO	Hematopoietic Stem Cell-Enriched MicroRNAs in Human Stem Cell Differentiation and Self-Renewal
	\$115,000	TEDCO	The Hippo Pathway in Control of Hematopoietic Organ Size and Stemness
Kara A. Scheibner, PhD	\$115,000	TEDCO	Role of the miR-23a Cluster and miR-10a in Human Hematopoietic Stem-Progenitor Cells and Leukemia Cells.

Name	Amount	Granting Agency	Grant Title
Center for Vaccine Development			
Myron M. Levine, MD, DTPH	\$810,086	Bill and Melinda Gates Foundation	Diarrheal Disease in Infants and Young Children in Developing Countries

Name	Amount	Granting Agency	Grant Title
Center for Vascular & Inflammatory Diseases			
Alexey M. Belkin, PhD	\$114,982	TEDCO	The Role of Transglutaminase in Adhesion-Dependent and Growth Factor-Mediated Responses of Mesenchymal Stem Cells
Chunzhang Cao, PhD	\$115,000	TEDCO	Activated Protein C Protects Mesenchymal Stem Cell from Ischemia-Induced Death
Christopher V. Plowe, MD, MPH	\$134,723	Arizona State University	A Global Comparative Study of the Evolution of Antimalarial Drug Resistance
Mark S. Williams, PhD	\$115,000	TEDCO	Redox Regulation of Down Syndrome Patient Derived Induced Pluripotent Stem Cells

Name	Amount	Granting Agency	Grant Title
Epidemiology & Public Health			
Denise L. Orwig, PhD	\$457,044	Boston University	Biological Pathways of Acute and Chronic Stress in Aged Hip Fracture Caregivers
O. Colin Stine, PhD	\$127,521	Johns Hopkins University - SPH	Epidemiology and Ecology of Vibrio Cholerae in Bangladesh

Name	Amount	Granting Agency	Grant Title
Family & Community Medicine			
Beth Barnett, MD	\$173,157	Maryland Community Health Resource Commission	Providing a Medical Home to Decrease Emergency Department Use, Enhance Access to Care, and Reduce Health Disparities in Baltimore

Name	Amount	Granting Agency	Grant Title
Institute for Genome Sciences			
Julie C. Hotopp, PhD	\$100,000	Bill and Melinda Gates Foundation	Endosymbiont Genes Integrated in Filarial Genomes Novel Drug Target Discovery

Name	Amount	Granting Agency	Grant Title
Medicine			
Thomas W. Donner, MD	\$110,979	Tolerex	Durable-Response Therapy Evaluation for Early- or New-Onset Type 1 Diabetes
Da-Wei Gong, MD, PhD	\$115,000	TEDCO	Novel Vector Systems to Reprogram Human Adipose Stromal Vascular Cells into Insulin-Producing Cells and Transplantable Adipocytes
Stephen S. Gottlieb, MD	\$111,875	Paracor Medical, Inc.	PEERLESS-HF: Prospective Evaluation of Elastic Restraint
Matthew R. Weir, MD	\$101,790	Amgen Incorporated	A Prospective Cohort Study to Describe the Evolution of Persistent Hyperparathyroidism in Kidney Tx Recipients

Name	Amount	Granting Agency	Grant Title
Microbiology & Immunology			
Ricardo A. Feldman, PhD	\$345,000	TEDCO	Generation of Patient-Specific iPSCs for Modeling and Treating Gaucher's Disease

Name	Amount	Granting Agency	Grant Title
Neurology			
Walter Royal III, MD	\$130,373	Actelion Clinical Operations	Actelion Study

Name	Amount	Granting Agency	Grant Title
Pathology			
Feng Jiang, MD, PhD	\$115,000	TEDCO	A MicroRNA Signature of Cancer Stem Cell as Prognostic Biomarker for Lung Cancer

Name	Amount	Granting Agency	Grant Title
Pediatrics			
Vincenzo Casolaro, MD	\$100,000	Bill and Melinda Gates Foundation	Grand Challenges Explorations: AT1002

Name	Amount	Granting Agency	Grant Title
Program in Oncology			
Ashraf Z. Badros, MD, ChB	\$126,734	Pfizer Incorporated	Phase 1/2 Open-Label Study of the Safety and Efficacy of PD 0332991 in Combination with Bortezomib and Dexamethasone in Patients with Refractory Multiple Myeloma
	\$141,641	Millennium Pharmaceuticals, Inc.	An Open-Label, Phase 1 Study of MLN8237, a Novel Aurora A Kinase Inhibitor, in Patients with Advanced Hematological Malignancies
Chen-Yong Lin, PhD	\$150,000	Georgetown University	Mechanisms of Deregulation of Matriptase in Breast Cancer

Name	Amount	Granting Agency	Grant Title
Surgery			
Zhongjun Wu, PhD	\$361,713	CircuLite Incorporated	Circulatory Support System in Children and Infants