

New Federal Awards

(\$100,000 and above)

Name	Amount	Granting Agency	Grant Title
<i>Anatomy & Neurobiology</i>			
Joseph F. Cheer, PhD	\$262,500	NIDA	Cannabinoid Receptor Mechanisms in Accumbal Encoding of Extinction Learning
Iris Lindberg, PhD	\$225,000	NIDDK	Identification of Novel Peptide Hormones
Patricio O'Donnell, MD, PhD	\$400,329	NIDA	Animal Model of Dual Diagnosis
	\$450,000	NIMH	Electrophysiology of the Prefrontal Cortex
Elizabeth M. Powell, PhD	\$282,619	NIDA	Mechanisms of Forebrain Development
Mathew R. Roesch, PhD	\$180,036	NIDA	Orbitofrontal-Accumbens Interactions, Dopamine Modulation and Impulsive Choice
Geoffrey M. Schoenbaum, MD, PhD	\$300,000	NIMH	Role of Orbitofrontal Cortex and Outcome Expectancies in Associative Learning
	\$375,000	NIMH	Errors and Expectancies in OFC and VTA and Their Roles in Associative Learning

Anesthesiology

Brian M. Polster, PhD	\$262,500	NINDS	Preolytic Fragments and Mitochondrial Dysfunction in TBI
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Biochemistry & Molecular Biology

Richard L. Eckert, PhD	\$419,142	NCI	Bmi-1 and Skin Cancer Prevention
	\$352,931	NIAMS	Polycomb Genes and Keratinocyte Function
	\$183,177	NIAMS	MAP Kinases Regulate Involucrin Gene Expression
Martin F. Schneider, PhD	\$508,406	NIAMS	Interdisciplinary Training Program in Muscle Biology
	\$330,000	NIAMS	Activity Dependent Signaling in Adult Skeletal Muscle Fiber Plasticity
Daivd J. Weber, PhD	\$337,456	NCI	Restoration of Tumor Suppression Activity in Malignant Melanoma

Center for Integrative Medicine

Brian M. Berman, MD	\$473,004	NCCAM	Cochrane Collaboration CAM Field: Resource for Research
Kevin W. Chen, PhD, MPH	\$225,000	NIDA	Treatment of Cocaine Addiction with Integrative Meditation

Center for Vaccine Development

Christopher V. Plowe, MD, MPH	\$131,827	Fogarty International Center	Malaria Research Training in Mali
	\$251,120	NIAID	Clinical Trial of Chloroquine Combinations in Malawi
Marcelo B. Szein, MD	\$2,959,127	NIAID	CCHI: Mucosal Immunity, Vaccines and Microbiota Interplay in Humans and Animal Models

Center for Vascular & Inflammatory Diseases

Svetlana P. Chapoval, MD, PhD	\$225,000	NIAID	Immune Semaphorins in Allergic Airway Inflammation
David W. Scott, PhD	\$375,000	NHLBI	Induction of Tolerance to Factor VIII in Hemophilia
Dudley K. Strickland, PhD	\$1,623,699	NHLBI	Information Signaling Pathways in the Vasculature
Jeffrey A. Winkles, PhD	\$311,250	NCI	TWEAK-Fn14 Signaling in the Tumor Microenvironment

Epidemiology & Preventive Medicine

Jay S. Magaziner, PhD	\$299,199	NIA	Research Training in the Epidemiology of Aging
Ram R. Miller, MD	\$161,730	NIA	Consequences of Inflammation on Muscle Following Hip Fracture

Institute for Genome Sciences

Claire M. Fraser-Liggett, PhD	\$4,000,000	NIAID	Genome Sequencing Centers for Infectious Disease
	\$1,047,639	NIDDK	Metagenomic Analysis of the Structure and Function of the Human Gut Microbiota in Crohn's Disease
	\$574,641	NIDDK	The Thrifty Microbiome: The Role of the Gut Microbiota in Obesity in the Amish
Jacques Ravel, PhD	\$987,891	NIAID	The Microbial Ecology of Bacterial Vaginosis: A Fine Scale Resolution Metagenomic Analysis

Institute of Human Virology

Igor S. Lukashevich, MD, PhD	\$454,956	NIAID	Recombinant Yellow Fever 17D-Lassa Vaccine
C. David Pauza, PhD	\$308,138	NCI	Mechanisms for Depleting Tumor Immunity in AIDS
Rebecca L. Wald, PhD	\$150,000	NINR	Cognitive Biases and Interpretive Schemas in Antiretroviral Therapy
Lai-Xi Wang, PhD	\$285,000	NIGMS	Convergent Chemoenzymatic Synthesis of Glycopeptides and Glycoproteins

Medicine

Eileen M. Barry, PhD	\$353,635	NIAID	Shigella Dysenteriae Vaccine Construction
Claudia R. Baquet, MD, MPH	\$712,625	NCI	Maryland Regional Community Network Program to Eliminate Cancer
Brock A. Beamer, MD	\$256,743	NIA	Genetic Influences on Age-Related Decline in Strength
Michael S. Donnenberg, MD	\$184,844	NCI	Escherichia coli and Colorectal Carcinogenesis
Andrew P. Goldberg, MD	\$170,711	NIA	Research Training: The Biology of Exercise in Aging
Simeon E. Goldblum, MD	\$375,000	NHLBI	Endotoxin/TLR4 Signaling Regulates Lung Endothelial Paracellular Pathways
Jeffrey D. Hasday, MD	\$334,125	NHLBI	Contribution of Heat Shock/Stress Pathways to Acute Lung
Susan K. Keay, MD, PhD	\$289,685	NIDDK	Urine Antiproliferative Peptide in Interstitial Cystitis
Willem J. Kop, PhD	\$460,124	NHLBI	Depression & Biobehavioral Processes in Heart Failure
Michael Miller, MD	\$157,500	NHLBI	Unraveling the Genetic Architecture of Very High HDL Cholesterol through Transcriptome Resequencing
Jean-Pierre Raufman, MD	\$213,890	NCI	Bile Acid-Induced Colon Cancer Cell Proliferation

Name	Amount	Granting Agency	Grant Title
Alice S. Ryan, PhD	\$489,078	NIA	Aging, Inflammation and Exercise in Chronic Stroke
Alan R. Shuldiner, MD	\$450,096	NIDDK	The Thrifty Microbiome: The Rome of the Gut Microbiota in Obesity in the Amish
William C. Stanley, PhD	\$187,500	NHLBI	Omega-3 Fatty Acids and Heart Failure
Aiping M. Zhao, MD	\$370,000	NIDDK	Novel Cytokine Regulation of Gut Function and Inflammation

Microbiology & Immunology

Abdu F. Azad, PharmD, PhD, MPH	\$559,014	NIAID	Murine Typhus: Vector Biology and Transmission
Andrei E. Medvedev, PhD	\$225,000	NIAID	TLR4 Mutations: Molecular Mechanisms of Impaired LPS Sensitivity
Stefanie N. Vogel, PhD	\$640,884	NIAID	Differentiative Signals for Macrophage Activation

Neurosurgery

Vladimir V. Gerzanich, MD, PhD	\$328,125	NINDS	TRPM4 Channel in Spinal Cord Injury
J. Marc Simard, MD, PhD	\$360,484	NHLBI	Sulfonylurea Receptor 1 (SUR1)-A Novel Therapeutic Target
	\$306,469	NINDS	Pathological Role of the SUR1 Regulated NC(Ca-ATP) Channel in Cortex after Subarachnoid Hemorrhage
	\$300,310	NINDS	Spinal Cord Injury, Progressive Hemorrhagic Necrosis and the NC(Ca-ATP) Channel

Obstetrics, Gynecology & Reproductive Sciences

Loren P. Thompson, PhD	\$337,500	NHLBI	Fetal Hypoxemia and Endothelium-Derived Nitric Oxide
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Pathology

Dean L. Mann, MD	\$1,364,986	NCI	Resource for the Collection/Evaluation of Human Tissue & Cells
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Pediatrics

Cynthia F. Bearer, MD, PhD	\$300,000	NIAAA	The Role of Lipid Rafts in Fetal Alcohol Spectrum Disorder
Maureen M. Black, PhD	\$544,064	NICHHD	Challenge in Schools: Adolescent Overweight Prevention
Alessio Fasano, MD	\$186,300	NCCAM	VSL for Asthma
	\$187,500	NIDDK	Timing of Gluten Intake in Infant Nutrition and Risk of Celiac Disease Autoimmunity
	\$318,750	NIDDK	Zot, Zonulin, and Pathophysiology of Intestinal Tight Junctions
James P. Nataro, MD, PhD	\$847,309	NIAID	Live Attenuated Bacterial Vaccines against Plague
Pinaki Panigrahi, PhD, MBBS	\$446,363	NICHHD	Prevention of Neonatal Infection in the Indian Community

Pharmacology & Experimental Therapeutics

Edson X. Albuquerque, MD, PhD	\$328,125	NINDS	Nicotinic Receptor & Hippocampal Synaptic Function
	\$714,012	NINDS	Age and Sex Effects on Nerve Agent Damage to the Brain and Antidotal Therapies
Angela H. Brodie, PhD	\$309,836	NCI	Aromatase and Breast Cancer
Anil K. Jaiswal, PhD	\$268,725	NIGMS	Regulation of NAD(P)H: Quinone Oxidoreductases
Jessica A. Mong, PhD	\$112,500	US Army Medical Research Acquisition Activity	Etiology of Sleep Disorders in ASD (Autism Spectrum Disorders): Role for Inflammatory Cytokines
Yun Qiu, PhD	\$309,344	NCI	Mechanisms of Hormone-Independence of Prostate Cancer

Physiology

Bradley E. Alger, PhD	\$291,060	NIDA	Endocannabinoids and GABA-ergic Control of Plasticity
	\$275,770	NIMH	Interactions among Hippocampal Interneuron Circuits
Thomas A. Blanpied, PhD	\$315,563	NIMH	Internal Dynamics of the Postsynaptic Density
Mordecai P. Blaustein, MD	\$388,363	NHLBI	Calcium and Sodium Transport in Hypertension
Robert J. Bloch, PhD	\$297,000	NIAMS	Organization of Sarcoplasmic Reticulum in Skeletal Muscle
Richard M. Lovering, PhD	\$132,440	NIAMS	The Role of Intermediate Filaments in Skeletal Muscle Injury & Disease
Margaret M. McCarthy, PhD	\$112,500	US Army Medical Research & Materiel Command	Prostaglandins and Brain Development: A Link Between Inflammation and Autism
Mark A. Rizzo, PhD	\$300,000	NIDDK	Regulatory Mechanisms of Insulin Secretion

Program in Comparative Medicine

Louis J. Detolla, Jr VMD, PhD	\$166,790	SAIC-Frederick, Inc.	Yellow Fever - Malaria Antigen Vaccine
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Program in Oncology

France Carrier, PhD	\$228,000	NCI	Biomodulation of Anticancer Drugs Targeting DNA
Martin J. Edelman, MD	\$269,933	NCI	Telemere Targeted Therapy in Lung Cancer
Amy M. Fulton, PhD	\$148,500	US Army Medical Research & Materiel Command	Chemokine Receptor Targeting to Inhibit Breast Cancer
Stuart S. Martin, PhD	\$282,150	NCI	Stabilized Microtubule Protrusions in Detached Mammary Epithelial Cells
	\$148,500	US Army Medical Research & Materiel Command	Targeting Detyrosinated Microtubule Protrusion to Reduce Targeting Detyrosinated Microtubule Protrusions to Reduce Breast Tumor Metastasis
Antonino Passaniti, PhD	\$255,944	NCI	Novel Transcriptional Regulators of Angiogenesis
Koji Tamada, MD, PhD	\$337,500	NHLBI	LIGHT Co-Stimulatory Therapy on GVHD and GVL

(New Federal Awards continued on back)

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Name	Amount	Granting Agency	Grant Title
<i>Psychiatry</i>			
Robert W. Buchanan, MD	\$219,668	NIMH	ACISIR: Enhancing Recovery of People with Schizophrenia
James M. Gold, PhD	\$664,223	NIMH	Cognitive Neuroscience of Attention and Working Memory in Schizophrenia
	\$123,021	NIMH	4/5 Cognitive Neuroscience Task Reliability & Clinical Applications (CNTRAC's) Consortium
Todd D. Gould, MD	\$225,000	NIMH	A Genetic and Behavioral Model for the Human Response to Lithium
Seth Himelhoch, MD, MPH	\$229,746	NIMH	Developing Telephone CBT for HIV Related Depression
Harry L. June, PhD	\$178,125	NIAAA	The alpha-1 GABAA Receptor Regulates Alcohol-Drinking Behaviors
Laura M. Rowland, PhD	\$144,040	NIMH	Neural Plasticity During Relational Learning in Schizophrenia

Radiation Oncology

Janet E. Baulch, PhD	\$140,726	NASA	Mitigating High Z Radiation Induced Genomic Instability
Cedric X. Yu, ScD	\$300,226	NCI	Four-Dimensional IMAT Planning using Graph Algorithms

Surgery

Bartley P. Griffith, MD	\$699,598	NHLBI	Strain Controlled LVAD Unloading and Post MI Remodeling
	\$698,695	NHLBI	Development of an Artificial Pump-Lung for Respiratory Failure
Michael J. Naslund, MD	\$177,649	NIDDK	Alternative Therapies for Benign Prostatic Symptoms
Eric D. Strauch, MD	\$189,000	NIDDK	The Critical Role of Bile Salts: Gut Protection in Critical Illness
Zhongjun Wu, PhD	\$383,125	NHLBI	Linking Multiscale Dynamics of Shear-induced Blood Damage to CFD Modeling

New Non-Federal Awards

(\$100,000 and above)

Name	Amount	Granting Agency	Grant Title
<i>Anatomy & Neurobiology</i>			
Steven D. Munger, PhD	\$124,981	Ajinomoto Company	Modulation of Umami Sensing in the Taste and Digestive Systems
Elizabeth M. Powell, PhD	\$115,000	TEDCO	Ligand Presentation Directs Neural Stem Cell Fate Decisions
<i>Biochemistry & Molecular Biology</i>			
Richard L. Eckert, PhD	\$302,436	TEDCO	Epidermis-Derived Multipotent Cells for Cell Therapy
Joseph R. Lakowicz, PhD	\$125,000	TEDCO	Plasmon-Controlled Fluorescence and its Application to Fluorescence Sensing

Center for Stem Cell Biology & Regenerative Medicine

Curt I. Civin, MD	\$115,000	TEDCO	The Hippo Pathway in Control of Hematopoietic Organ Size and Stemness
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Center for Vaccine Development

Christopher V. Plowe, MD, MPH	\$179,734	Doris Duke Charitable Foundation	Genetic Diversity and Malaria Vaccine Efficacy
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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

Epidemiology & Preventive Medicine

Charlene C. Quinn, PhD	\$143,663	WellDoc Communications, Inc.	Evaluation of a Novel Home-Based Diabetes Management System
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Family & Community Medicine

Beth Barnett, MD	\$166,498	Maryland Community Health Resource Commission	Providing a Medical Home to Decrease Emergency Department Use, Enhance Access to Care, and Reduce Health Disparities in Baltimore
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Name	Amount	Granting Agency	Grant Title
<i>Medicine</i>			
Alan S. Cross, MD	\$422,000	Atox Bio Inc.	Safety & Pharmacokinetic Clinical Trial of AB103, A Broad-Spectrum Superantigen Toxin Antagonist in Normal Volunteers
Thomas W. Donner, MD	\$110,980	Tolerex	Durable-Response Therapy Evaluation for Early- or New-Onset Type 1 Diabetes
Jeffrey C. Fink, MD	\$275,708	JHU Bloomberg School of Public Health	Chronic Renal Insufficiency Cohort (CRIC) Study
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 to Lessen the Effects of Heart Failure
Susan K. Keay, MD, PhD	\$199,273	Trillium Therapeutics	In Vitro and In Vivo Studies to Establish the Efficacy of Recombinant Human HB-EGF as a Treatment of Interstitial Cystitis
Steven M. Scharf, MD, PhD	\$108,872	Forest Research Institute	Efficacy and Safety of Acclidinium Bromide at Three Dose Levels (200 ug Twice Daily, 400 ug Twice Daily, and 200 ug Once Daily) vs. Placebo When Administered to Patients with Moderate to Severe COPD
Alan R. Shuldiner, MD	\$230,627	University of Michigan Medical School	Mapping Genes for Mammographic Breast Density

Microbiology & Immunology

Ricardo A. Feldman, PhD	\$345,000	TEDCO	Generation of Patient-Specific iPSC Cells for Modeling and Treating Gaucher's Disease
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National Study Center

Patricia C. Dischinger, PhD	\$500,804	National Highway Traffic Safety Administration	Crash Injury Research and Engineering Network (CIREN)
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Pathology

Feng Jiang, MD, PhD	\$115,000	TEDCO	A MicroRNA Signature of Cancer Stem Cell as Prognostic Biomarker for Lung Cancer
Dean L. Mann, MD	\$199,999	Hasumi International Research Foundation	Development of Dendritic Cell-Based Vaccines for Cancer

Pharmacology & Experimental Therapeutics

Laure Aurelian, PhD	\$314,982	TEDCO	Stem Cell Transplantation is Associated with HSV-Induced Severe Skin Eruptions
Yun Qiu, PhD	\$115,000	TEDCO	Regulation of Stemness by Phosphorylation
Paul J. Yarowsky, PhD	\$115,000	TEDCO	Targeted Therapy for Neurodegenerative Diseases with Magnetically Labeled Stem Cells

Program in Oncology

Ashraf Z. Badros, MB, ChB	\$126,735	Pfizer Inc.	#A5481004: 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
Stuart S. Martin, PhD	\$115,000	TEDCO	Novel Therapies to Destroy Circulating Breast Tumor Stem Cells

Program in Trauma

Grant Bochicchio, MD, MPH	\$171,136	Edwards Lifesciences LLC	Observational Clinical Study of the Intravenous Blood Glucose System in Hospitalized Adult Elective or Non-Emergent Surgery and Medical/Surgical Intensive Care Unit Patients
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Psychiatry

Robert W. Buchanan, MD	\$270,824	Novartis Pharmaceuticals Corp.	A Single-Dose, Placebo-Controlled, Stratified, Randomized, Double-Blind, Crossover Study to Determine the Pharmacodynamic Effects of AQW051
James I. Koenig, PhD	\$119,217	Ortho-McNeil Janssen	Social and Cognitive Deficits in an Animal Model of Schizophrenia: Effects of Paliperidone

Surgery

Matthew Cooper, MD	\$112,310	Astellas Pharmaceuticals	Assess Safety and Efficacy of Alefacept in de novo Kidney Transplant Recipients
Zhongjun Wu, PhD	\$475,161	Levitronix, LLC	Integrated Maglev Pump-Oxygenator for Respiratory Support