The awards detailed in this list were established July 1, 2012 through April 30, 2013. The dollar values depict the best available estimate of the funding the University should receive over the life of the award. These values may be modified as additional data become available relative to future funding prospects. These modifications are not reported in the attached list. As a result, the dollar values of awards presented in this list will differ from the year-end totals. The full amount of an award is recorded in the year in which it was established. Often these funds are expended over several years, making comparisons between awards and expenditures somewhat misleading. Research expenditures are presented here to provide a trend line for the current fiscal year.

<table>
<thead>
<tr>
<th></th>
<th><strong>Number of Awards</strong></th>
<th><strong>% Change</strong></th>
<th><strong>Value of Awards</strong></th>
<th><strong>% Change</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Awards Processed (April)</strong></td>
<td>FY 2012: 189</td>
<td>FY 2013: 210</td>
<td>11.1%</td>
<td>FY 2012: $53,214,234</td>
</tr>
<tr>
<td><strong>Research Awards</strong></td>
<td>FY 2012: 130</td>
<td>FY 2013: 125</td>
<td>-3.8%</td>
<td>FY 2012: $39,865,256</td>
</tr>
<tr>
<td><strong>Research Training</strong></td>
<td>FY 2012: 10</td>
<td>FY 2013: 7</td>
<td>-30.0%</td>
<td>FY 2012: $7,618,333</td>
</tr>
<tr>
<td><strong>Other Sponsored Activity</strong></td>
<td>FY 2012: 49</td>
<td>FY 2013: 78</td>
<td>59.2%</td>
<td>FY 2012: $5,730,645</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th><strong>Number of Awards</strong></th>
<th><strong>% Change</strong></th>
<th><strong>Value of Awards</strong></th>
<th><strong>% Change</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Total Awards Processed Fiscal Year to Date</strong></td>
<td>FY 2012: 2,368</td>
<td>FY 2013: 2,423</td>
<td>2.3%</td>
<td>FY 2012: $890,635,412</td>
</tr>
<tr>
<td><strong>Research Awards</strong></td>
<td>FY 2012: 1,616</td>
<td>FY 2013: 1,453</td>
<td>-10.1%</td>
<td>FY 2012: $797,948,697</td>
</tr>
<tr>
<td><strong>Research Training</strong></td>
<td>FY 2012: 118</td>
<td>FY 2013: 109</td>
<td>-7.6%</td>
<td>FY 2012: $32,672,213</td>
</tr>
<tr>
<td><strong>Other Sponsored Activity</strong></td>
<td>FY 2012: 634</td>
<td>FY 2013: 861</td>
<td>35.8%</td>
<td>FY 2012: $60,014,502</td>
</tr>
</tbody>
</table>

FY 2013 year-to-date total award values are up when compared with the same time period in FY 2012 while the number of total awards has remained nearly unchanged. As previously noted in past reports, several large awards processed in FY 2013 have caused the increase in award dollar value. The attached graph illustrates a strong parallel in total award dollar values over the last two fiscal years during the January through April time period.
<table>
<thead>
<tr>
<th></th>
<th>FederalEXPENDABLE</th>
<th>Other Funds</th>
<th>Total Expenditures</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 2013</td>
<td>$ 606,771,872</td>
<td>$ 368,097,603</td>
<td>$ 974,869,474</td>
</tr>
<tr>
<td>March 2012</td>
<td>$ 588,170,643</td>
<td>$ 335,793,046</td>
<td>$ 923,963,689</td>
</tr>
<tr>
<td>Percent Change</td>
<td>3.2%</td>
<td>9.6%</td>
<td>5.5%</td>
</tr>
</tbody>
</table>

Source: Office of Research and Sponsored Projects
Data Source: Office of Research and Sponsored Projects
AWARDS ESTABLISHED FOR RESEARCH AND OTHER SPONSORED ACTIVITIES

April 01, 2013 through April 30, 2013

The awards listed here by direct sponsor were established during the month designated in the heading above. For each award, the listing includes the award title, the principal investigator(s), the proposal administrative department, participating investigators with specified effort, the estimated amount awarded for the award period, and the estimated award period.

Actelion
Serum Biomarkers in IPF

ERIC S WHITE (Int Med-Pulm./Critical Care)
$10,000 01/15/2013 - 01/20/2014

Alcon Laboratories, Inc.
An Open-Label, Pharmacokinetic and Safety Study of Travoprost Ophthalmic Solution, 0.004% in Pediatric Glaucoma or Ocular Hypertension Patients

MONTE A DELMONTE (Ophthalmology & Visual Science)
$41,129 04/15/2013 - 12/31/2014

American Council of Learned Societies
Mercenary Logic: Muslim Soldiers in the Service of the Crown of Aragon, 1265-1374

HUSSEIN ANWAR FANCY (LSA History)
$33,500 09/01/2013 - 05/31/2014

American Gastroenterological Association
American Gastroenterological Association (AGA) Inservice Exam 2012

JAMES T FITZGERALD (Med Ed/Ofc of Ed Resources&Res)
$46,916 01/01/2012 - 12/31/2012

American Gastroenterological Association (AGA) Inservice Exam 2013

JAMES T FITZGERALD (Med Ed/Ofc of Ed Resources&Res)
$42,822 01/01/2013 - 12/31/2013

American Psychological Association
Data Processing of American Psychological Association Data Sets

PETER A GRANDA (ICPSR-Archival Development)
$24,995 03/01/2013 - 02/28/2014

AnnArbor.com
Economic Outlook for Washtenaw County

GEORGE A FULTON (IRLEE)
$10,000 03/06/2013 - 06/30/2013

Arbor Ultrasound Technologies, LLC
Point-of-care carotid ultrasound and cardiovascular risk assessment device

GRANT HENRI KRUGER (Mechanical Engineering)
with JONATHAN M RUBIN
ROBERT DANIEL BROOK
WILLIAM F WEITZEL III
$75,000 02/01/2013 - 07/31/2014
Argonne National Laboratory

Energy Innovation Hub - Batteries and Energy Storage

JOHANNES W SCHWANK (U of M Energy Institute)
with ANTON VAN DER VEN
   BART BARTLETT
   CHARLES W MONROE
   DONALD JASON SIEGEL
   EMMANUELINE MARQUIS
   JACK HU
   JYOTIRMROY MAZUMDER
   KATSUYO S THORNTON
   LEVI THEODORE THOMPSON
   MELANIE S SANFORD
$687,451 04/01/2013 - 12/31/2013

Arkansas, State of

Arkansas Universal Assessment Project 2012-13: OLTC Supplement

   BRANT E FRIES (Institute of Gerontology)
$102,816 04/02/2013 - 06/30/2013

BAE Systems

The Phenomenology of Radar Scattering at Frequencies Near 230 GHz

   KAMAL SARABANDI (COE EECS - ECE - Rad)
with ADIB YACOUB NASHASHIBI
$114,159 11/01/2012 - 10/17/2017

Barr Foundation

Boston Urban Mobility Scan - Addendum

   SUSAN ZIELINSKI (UMTRI - SMART Program)
$10,000 01/16/2013 - 04/30/2013

Battelle Energy Alliance, LLC

supplement to Resilient Condition Assessment Monitoring (ReCAM) System

   SEMYON M MEERKOV (COE EECS - ECE - Con)
$24,034 10/01/2012 - 05/31/2013

Biotronik, Inc.

SIELLO

   HAKAN ORAL (Int Med-Cardiology)
$57,129 04/11/2013 - 03/21/2019

Blaze Medical Devices, LLC

Preliminary characterization of irradiation impact on pRBC mechanical fragility and the importance of donor-to-donor variability

   ROBERTSON D DAVENTPORT (Pathology Department)
$6,874 09/01/2012 - 12/31/2012

Boehringer Ingelheim, Ltd.

Boehringer Ingelheim, Ltd.

   LOUIS TZE-CHING YEN (Health Management Research Ctr)
$108,150 04/01/2013 - 03/31/2016
Boston College

*Investigation of Post-CME Current Sheets*

ENRICO LANDI (Atm, Oceanic & Space Sci.)

$119,016  02/03/2013 - 02/03/2016

Brain and Behavior Research Foundation

*Assessing sleep regulation, sleep-dependent memory consolidation, and sleep-dependent synaptic plasticity in mouse genetic models of schizophrenia and autism spectrum disorders*

SARA JO ATON (LSA Molec./Cell./Develop. Bio)

$32,469  02/01/2012 - 07/14/2013

*High affinity modulators of DeltaFosB, a protein involved in resilience*

GABRIELLE RUDENKO (Life Sciences Institute-Admin)

$99,908  07/15/2013 - 07/14/2015

Bristol-Myers Squibb Company

*(UMCC 2012.125) A Randomized, Open-Label Phase 3 Trial of BMS-936558 versus Investigator's Choice in Advanced (Unresectable or Metastatic) Melanoma Patients Progressing Post Anti-CTLA-4 Therapy*

CHRISTOPHER D LAO (Int Med-Hematology/Oncology)

$236,142  03/22/2013 - 02/28/2018

Buhlmann Laboratories AG

*Buhlmann Calprotectin ELISA method comparison to predictive device for FDA clearance*

PETER DOYLE HIGGINS (Int Med-Gastroenterology)

$32,524  08/01/2011 - 07/31/2013

Canary Foundation

*Canary Prostate Active Surveillance Study Protocol*

JOHN THOMAS WEI (Urology)

$30,800  07/01/2012 - 12/31/2013

Carnegie Corporation of New York

*Leadership for Higher Education's Role in Promoting Diversity and Social Transformation -- Extending Pathways of Inclusion in the U.S.*

JOHN C BURKHARDT (School of Education)

$200,000  01/01/2013 - 12/31/2014

Celator Pharmaceuticals, Inc.

*(UMCC 2012.131) Phase III, Multicenter, Randomized, Trial of CPX-351 (cytarabine:daunorubicin) Liposome Injection Versus Cytarabine and Dunorubicin in Patients 60-75 Years of Age with Untreated High Risk (Secondary) AML*

DALE LEE BIXBY (Int Med-Hematology/Oncology)

$282,101  04/01/2013 - 02/28/2017

Center for International Blood and Marrow Transplant Research (CIBMTR)

*CIBMTR Clinical Research Professionals' Data Management Conference - Sean Kelley*

MAX S WICHA (Univ of Mich Cancer Center)

$750  02/01/2013 - 05/31/2013

Charles Stark Draper Laboratory, Inc.

*OPTRODE for Quantitative Prediction of Neural Interface Failure (Lab completion work)*

DARYL R KIPKE (Biomedical Engineering)

$6,500  02/01/2013 - 04/15/2013
ChemXlerate
Quality Testing of Organic Solvents
ANTEK G WONG-FOY (LSA Chemistry)
$5,090  08/01/2011 - 07/31/2013

Commerce, Department of-National Oceanic and Atmospheric Administration
David Gershman_Mi, Knauss Fellowship 2013
JENNIFER READ (SNRE Michigan Sea Grant)
$52,500  02/01/2013 - 01/31/2014

Community Foundation of Greater Flint
Telemedicine Outreach for the Underserved in the Flint Community
DAVID GORDON (Flint Hlth Profession Studies)
$15,000  03/15/2013 - 03/14/2014

Christopher Paul Curtis Writing Adventure 2013
ROBERT W BARNETT (Flint Sch of Ed and Human Svcs)
$4,000  03/18/2013 - 05/17/2013

Conquer Cancer Foundation of ASCO
2013 Oncology Trainee Travel Award - Florian Schroeck
BRENT K HOLLENBECK (Urology)
$1,100  05/01/2013 - 10/31/2013

Crohn's and Colitis Foundation of America (CCFA)
Clostridium difficile infection induces changes in the gut microbiome that lead to IBD flares
PETER DOYLE HIGGINS (Int Med-Gastroenterology)
$347,490  01/01/2013 - 12/31/2015

Cystic Fibrosis Foundation
Airways microbiome dynamics and exacerbation in CF
JOHN JOSEPH LIPUMA (Pediatrics-Infectious Diseases)
$86,400  04/01/2013 - 03/31/2015

Burkholderia cepacia Research Laboratory & Repository (2013-2014)
JOHN JOSEPH LIPUMA (Pediatrics-Infectious Diseases)
$387,385  03/01/2013 - 02/28/2014

Dartmouth College
Econometric Studies of Open Access to the Scholarly Literature
MARK J MCCABE (School of Information)
$37,539  10/01/2012 - 09/30/2014

David Bohnett Foundation
David Bohnett Public Service Fellowship - Supplement #1
SUSAN M COLLINS (G. Ford Sc Pub Pol)
$374,000  04/01/2013 - 06/30/2016

Defense, Department of-Navy, Department of the
Phase I Trial of Valproic Acid in Healthy Volunteers / Trauma Patients
HASAN ALAM (GSA - Acute Care Surgery (ACS))
$1,405,877  01/01/2013 - 12/31/2013
Diapin Therapeutics LLC

Examine the potency of Diapin derivatives

YUQING CHEN (Int Med-Cardiology)

$13,000 08/15/2012 - 08/14/2013

Doshiba University


BRUCE M BELZOWSKI (UMTRI-Automotive Analysis Div.)

$6,500 04/01/2013 - 04/30/2013

Earhart Foundation

Fellowship for Damien Picariello

ARLENE W SAXONHOUSE (LSA Political Science)

$5,000 05/01/2013 - 08/31/2013

Eaton Innovation Center

Phase II - Look-ahead Driver Feedback and Powertrain Management

DAVID JAMES LEBLANC (UMTRI-Engineering Systems)

with JOHN M SULLIVAN

$100,000 01/16/2013 - 01/15/2014

Edna Bailey Sussman Foundation

The Edna Bailey Sussman Fund Environmental Internship Program

MARIE LYNN MIRANDA (Sch of Nat Resources & Environ)

$35,035 05/06/2013 - 08/30/2013

Edwards Lifesciences, LLC

Multi-CenTer Experience with the Rapid Deployment EDWARDS INTUITY Valve System FOR Aortic Valve ReplaceMent (TRANSFORMTM Trial)

G MICHAEL DEEB (Cardiac Surgery)

HIMANSHU J PATEL (Cardiac Surgery)

$497,830 12/03/2012 - 12/02/2019

EMC Corporation

NFSv4 Extensions for performance and Interoperability (2012)

PETER HONEYMAN (CITI CSE)

$199,999 04/01/2011 - 03/31/2012

Energy, Department of

Order-disorder Transition and Small Molecule Incorporation in Pyrochlore Oxides at Extreme Conditions

FUXIANG ZHANG (LSA Earth & Environmental Sci.)

with MAIK KURT LANG

$319,500 04/01/2013 - 03/31/2016

ERC, Inc.

Hall Thruster Stability Testing

ALEC D GALLIMORE (Aerospace Engineering)

$19,997 01/01/2013 - 09/30/2013
Fibromuscular Dysplasia Patient Registry
JAMES B FROEHLICH (Int Med-Cardiology)
$20,000 02/01/2013 - 07/31/2013

Flint Community Schools
Flint Northern- Michigan College Advising Corps 2012-2013
WILLIAM COLLINS (Ctr for Educational Outreach)
$15,000 07/01/2012 - 06/30/2013

Flint Northwestern- Michigan College Advising Corps 2012-2013
WILLIAM COLLINS (Ctr for Educational Outreach)
$15,000 07/01/2012 - 06/30/2013

Ford Motor Company
2012-2013 Ford URP: Physiological Measures and Signature of Driver Behavior
YI LU MURPHEY (Dbn Col of Eng-Electric & Comp)
$40,000 07/01/2012 - 06/30/2013

Preliminary Feasibility Study for a Virtual Humidity Sensor
YI LU MURPHEY (Dbn Col of Eng-Electric & Comp)
$35,000 03/01/2013 - 08/31/2013

Supplemental II - Squeeze Film Flow
NIKOLAOS D KATOPODES (Civil & Environmental Engr)
$66,600 09/01/2012 - 08/31/2015

GE Aviation
Deformation, Damage and Failure Mechanisms in Ceramic Matrix Composites - Year four
ANTHONY M WAAS (Aerospace Engineering)
with JOHN W HALLORAN
SAMANTHA HAYES DALY
$600,000 01/01/2013 - 12/31/2013

General Motors Company
Predictive Control of Compressor Bypass Valve to Prevent Compressor Surge
ILYA VLADIMIR KOLMANOVSKY (Aerospace Engineering)
$77,048 03/01/2013 - 02/28/2014

General Motors Corporation
Evaluation of General Motors Lifesteps Program 2012
LOUIS TZE-CHING YEN (Health Management Research Ctr)
$160,650 04/01/2013 - 09/30/2013

Google, Inc.
Project to Preserve and Catalogue the Uganda National Archives and the South Sudan National Archives
DEREK R PETERSON (LSA II: African Studies Center)
$20,000 04/01/2012 - 12/31/2012
Great Lakes Fishery Trust

*International Management of Fisheries in Large Lakes-2013 Support of PhD Student Ted Lawrence*

JAMES STEPHEN DIANA (Sch of Nat Resources & Environ)

$67,438 01/01/2013 - 01/02/2014

Gulf Power Company

*Gulf Power Company*

LOUIS TZE-CHING YEN (Health Management Research Ctr)

$50,000 03/29/2013 - 03/31/2016

Health and Human Services, Department of-National Institutes of Health

*Oncology Research Training Grant*

KATHLEEN A COONEY (Int Med-Hematology/Oncology)

with DANIEL F HAYES
ERIC R FEARON

$1,631,025 05/01/2013 - 04/30/2018

*Medical marijuana: Longitudinal trajectories in use, pain and functioning*

MARK ANDREW ILGEN (Psych HlthSvc Outcome Research)

with AMY S B BOHNERT
BRIAN E PERRON
FREDERIC C BLOW
MAUREEN A WALTON
REBECCA CUNNINGHAM

$2,200,515 05/01/2013 - 02/28/2017

*Neuroimaging Approaches to Deconstructing Acupuncture for Chronic Pain*

RICHADE E HARRIS (Anesthesiology Department)

with ALEXANDER TSODIKOV
BRADLEY R FOERSTER
DANIEL J CLAUW

$3,370,545 05/01/2013 - 04/30/2018

*Identification of novel inhibitors of a Vibrio Cholerae stress response pathway*

JYL S MATSON (Microbiology and Immunology)

$774,390 04/01/2013 - 03/31/2016

*Architecture-function analysis of the kinetochore motor*

AJIT PRAKASH JOGLEKAR (Cell and Developmental Biology)

$1,444,035 04/01/2013 - 03/31/2018

*Central Actions of Estrogens: Effects on GnRH Neurons*

SUE MOENTER (Molec & Integrative Physiology)

with DAVID PAUL OLSON
RICHARD ANTHONY DEFAZIO

$2,206,961 04/05/2013 - 03/31/2018

*Neuronal Oscillations and Dysregulated Motor Learning in Parkinsonian Rats*

DANIEL K LEVENTHAL (Neurology Department)

$936,900 05/01/2013 - 04/30/2018

*Molecular mechanisms and genetic architecture of sexual attractiveness.*

SCOTT PLETCHER (Molec & Integrative Physiology)

$1,171,949 04/01/2013 - 03/31/2017
Single Cell to Spheres in High-Throughput Microfluidics for Cancer Drug Screening
   EUISIK YOON (COE EECS - ECE - SSEL)
with SEAN P MCDERMOTT
$292,919 04/01/2013 - 03/31/2015

Vascular Surgery: Research Training in Vascular Biology
   THOMAS W WAKEFIELD (Vascular Surgery Section)
$21,958 07/01/2012 - 06/30/2014

Optimizing MRI for Radiation Therapy Treatment Planning
   JAMES M BALTER (Radiation Oncology - Ann Arbor)
   with CHRISTINA IRENE TSIEN
   DOUGLAS C NOLL
   MARY U FENG
   THOMAS L CHENEVERT
   YUE CAO
$1,661,784 04/01/2013 - 03/31/2017

Modulation of Acetylation in the Treatment of Lethal Hemorrhagic Shock
   HASAN ALAM (GSA - Acute Care Surgery (ACS))
   with GUANG JIN
$216,215 10/02/2012 - 03/31/2013

Protective Effects of Anti-C5a in Sepsis
   PETER A WARD (Pathology Department)
   with FIRAS SAMIH ZETOUNE
$139,388 09/01/2000 - 08/31/2014

Epigenetic control of multipotent cardiac progenitor cell differentiation
   ZHONG WANG (Cardiac Surgery)
$1,516,125 04/15/2013 - 03/31/2017

ICON Clinical Research, Inc.
PFIZER PROTOCOL #A7281009
   PROTOCOL TITLE: A Double-Blind, Randomized, Placebo-Controlled, Parallel, Dose-Ranging Study to Evaluate the Efficacy and Safety of PF-00547659 in Subjects with Moderate to Severe Ulcerative Colitis (TURANDOT)
   PETER DOYLE HIGGINS (Int Med-Gastroenterology)
$214,527 03/25/2013 - 09/24/2015

Idaho National Laboratory
The ReCAM/ReMAC Project
   SEMYON M MEERKV (COE EECS - ECE - Con)
$133,769 01/24/2013 - 09/30/2014

Impeto Medical S.A.S.
The collection of peripheral neuropathy data in an obese and lean population
   BRIAN CHRISTOPHER CALLAGHAN (Neurology Department)
$60,000 04/10/2013 - 04/10/2017

Intel Corporation
Curriculum Development: Addressing Multi-Core Platforms Issues
   MARK W B BREHOB (COE EECS - CSE - RTCL)
$20,000 05/01/2011 - 04/30/2050
International Society of Nephrology (ISN)

ISN Sister Renal Center Program

AKINOLU OLUSEUN OJO (Int Med-Nephrology)
with FRANK C BROSII III
$13,000 02/15/2013 - 12/31/2013

Isamu Noguchi Foundation

Terra Foundation - Isamu Noguchi & Qi Baishi

JOSEPH G ROSA (Exhibitions)
$50,000 12/01/2012 - 05/31/2014

James M. Cox Foundation

Collaboration for Cures-Stem Cell and Gene Therapies: Powerful New Tools in the Battle Against Deadly Neurological Disorders

EVA L FELDMAN (Neurology Department)
$500,000 10/01/2012 - 06/30/2013

Janssen Research and Development, LLC

Consulting Agreement between Moshe Talpaz & Janssen Research & Development

MOSHE TALPAZ (Int Med-Hematology/Oncology)
$4,750 09/17/2012 - 02/28/2014

Jarvik Heart, Inc

Destination Therapy Study of the Jarvik 2000? Adult Left Ventricular Assist System, Post-Auricular Cable

FRANCIS D PAGANI (Cardiac Surgery)
with KEITH D AARONSON
$484,500 02/12/2013 - 12/31/2020

Jet Propulsion Laboratory

U.S. Rosetta Project for Phase E, ROSINA INSTRUMENT FY13-FY16

TAMAS I GOMBOSI (Atm, Oceanic & Space Sci.)
with GABOR TOTH
KENNETH CALVIN HANSEN
MICHAEL R COMBI
VALERIY M TENISHEV
XIANZHE JIA
$220,373 04/01/2013 - 09/30/2016

Johns Hopkins University

Molecular Mechanisms and Pharmacologic Inhibition of Bone Sarcoma Metastasis

ELIZABETH LAWLOR (Pediatrics-Hematology/Oncology)
$56,800 11/01/2012 - 10/31/2014

Justice, Department of

National Archive of Criminal Justice Data - University of Michigan Archive Services

TIMOTHY S BYNUM (ICPSR-Archival Development)
$967,512 03/01/2013 - 02/28/2014

Kiwanis Club of Ann Arbor

Kiwanis Club 2012-2013 - Gentlmini Handpieces

STEPHEN J STEFANAC (DENT Patient Services)
$1,600 12/01/2012 - 11/30/2013
Leukemia and Lymphoma Society
Development of targeted therapy for MLL-rearranged leukemias
JOLANTA E GREMBECKA (Pathology Department)
$550,000 07/01/2013 - 06/30/2018

Targeting Delta-like Notch ligands to control graft-versus-host disease
IVAN PATRICK MAILLARD (Life Sciences Institute-Admin)
$550,000 07/01/2013 - 06/30/2018

Lincoln Institute of Land Policy
Urban Land Value: Measurement and Theory (Year 2)
DAVID YVES ALBOUY (LSA Economics)
$30,000 01/22/2013 - 12/31/2013

Loeb, Frederick and Stella, Charitable Trust
Super Science Friday 2013 Veit Memorial Trust Portion
VAHID LOTFI (Flint Assoc Provost - Grad)
$5,000 02/01/2013 - 05/31/2013

Materials Modification, Inc
Novel Thin Film Ice-Phobic Coatings for Aerial Systems, SBIR Phase II
ANISH TUTEJA (Materials Science & Engin.)
$261,500 09/21/2012 - 09/21/2014

McDonnell, James S., Foundation
Reconstructing Consciousness and Cognition
GEORGE A MASHOUR (Anesthesiology Department)
$530,195 04/15/2013 - 04/14/2015

McMaster University
JON A JACOBSON (Department of Radiology)
$17,978 03/28/2013 - 06/30/2013

Medical Innovations International, Inc
HemaLogic BME 450 Design Project
RACHAEL HOPE SCHMEDLEN (Biomedical Engineering)
$500 03/29/2013 - 09/29/2013

Mellon, Andrew W., Foundation
Tiya Miles Mellon New Directions Fellowship
TIYA A MILES (LSA American Culture)
$236,300 06/01/2014 - 09/30/2015

Joining Theory and Empiricism in the Remaking of the African Humanities: A transcontinental collaboration
DEREK R PETERSON (LSA II: African Studies Center)
$1,500,000 06/01/2013 - 05/31/2018
Michigan State University
Risk, Resiliency, and Coping in National Guard Families
MICHELLE RENEE KEES (Psychiatry Child Services)
with MARCIA ANN VALENSTEIN
$39,662 09/30/2012 - 09/29/2015

Microsoft, Inc.
NFSv4.1 Client for Windows
PETER HONEYMAN (CITI CSE)
$462,267 12/01/2010 - 02/28/2012

Molecular Imaging Research Inc.
Pre-clinical PET Imaging
PETER J SCOTT (Department of Radiology)
$66,443 04/05/2013 - 05/31/2013

MotorCities National Heritage Area
Program Evaluation Assistance for Producing a Case for Support
DALE EDWARD THOMSON (Dbn CASL-Social Sciences)
$17,519 02/01/2013 - 05/31/2013

Multi-Chem, A Halliburton Service
2013 JIP Membership in the Industrial Affiliates Program in "Flow and Reaction in Porous Media"
HUGH SCOTT FOGLER (Chemical Engineering Dept)
$150,000 07/01/2013 - 06/30/2016

National Academy of Sciences
Expanding the Research Infrastructure to Study the Use and Outcomes of the Internet and Social Media in Middle-age and Older Adults
KENNETH M LANGA (Int Med-General Medicine)
NICOLE ELLISON (Int Med-General Medicine)
$75,000 05/01/2013 - 05/01/2014

High-performance label-free drug delivery monitoring through terahertz spectroscopy
MONA JARRAH (COE EECS - ECE - Rad)
$30,000 04/01/2013 - 03/31/2015

National Action Council for Minorities in Engineering, Inc.
National Action Council for Minorities in Engineering Inc.
JEANNE P MURABITO (CoE Undergraduate Scholarships)
$225,000 11/19/2012 - 05/30/2017
National Aeronautics and Space Administration

Analysis of Extreme and Far Ultraviolet Observations of Saturn’s Atmosphere
CHRISTOPHER DENNIS PARKINSON  (Atm, Oceanic & Space Sci.)
$317,754  03/26/2013 - 03/25/2016

Exploring CME Initiation with Charge State Composition
WARD B MANCHESTER IV  (Atm, Oceanic & Space Sci.)
with ENRICO LANDI
SUSAN THERESE LEPRI
$239,686  03/01/2013 - 02/28/2016

The plasma interaction of the Galilean moon Europa with Jupiter's magnetosphere
MARTIN RUBIN  (Atm, Oceanic & Space Sci.)
with KENNETH CALVIN HANSEN
MICHAEL R COMBI
VALERIY M TENISHEV
$334,000  03/21/2013 - 03/20/2016

Data Services Upgrade: Neutral Thermospheric Winds Measured Using DE2-FPI and DE2 Wats
RICK J NICIEJEWSKI  (Space Physics Research Lab)
with WILBERT R SKINNER
$50,104  03/29/2013 - 03/28/2014

National Endowment for the Arts

NEA FY13 - Isamu Noguchi & Qi Baishi
JOSEPH G ROSA  (Exhibitions)
$20,000  01/01/2013 - 12/31/2014

National Geographic Society

National Geographic Emerging Explorer Grant
JASON P DE LEON  (LSA Anthropology)
$10,000  04/01/2013 - 08/31/2014

National Institute for Pharmaceutical Technology and Education (NIPTE)

Evaluation of Potential Polymorphic Changes During Tablet Manufacturing and Storage
GREGORY E AMIDON  (PHARMACY Pharmaceutical Sci)
$6,000  01/31/2013 - 12/31/2013

National Science Foundation

CPS: Frontier: Collaborative Research: Correct-by-Design Control Software Synthesis for Highly Dynamic Systems
JESSY W GRIZZLE  (COE EECS - ECE - Con)
with HUEI PENG
$1,600,000  04/01/2013 - 03/31/2017

CPS: Frontiers: Collaborative Research: Foundations Of Resilient CybEr-physical Systems (FORCES)
DEMOSTHENIS TENEKETZIS  (COE EECS - ECE - Con)
with IAN HISKENS
$1,300,000  04/15/2013 - 03/31/2018

Multi-site synthesis of the role of canopy processes and emissions on ozone and secondary organic aerosols
ALLISON L STEINER  (Atm, Oceanic & Space Sci.)
$456,698  04/01/2013 - 03/31/2016
Sensitive Dual Mode Microfluidic Optomechanical Analysis of Biomolecules
XUDONG FAN  (Biomedical Engineering)
with TAL ELIEZER CARMON
$370,000 06/01/2013 - 05/31/2016

Collaborative Research: Linking erosional and climatic processes in regions of active mountain building
CHRISTOPHER JAMES POULSEN  (LSA Earth & Environmental Sci.)
$204,048 06/01/2013 - 05/31/2016

Collaborative Research: the role of fluids in intermediate-depth seismicity and wedge anisotropy: Case studies for Cascadia and Alaska, with a comparison to Japan.
PETER E VAN KEKEN  (LSA Earth & Environmental Sci.)
$176,865 04/01/2013 - 03/31/2016

BIGDATA: Small: DA: Choosing a Needle in a Big Data Haystack
HOSAGRAHAR V JAGADISH  (COE EECS - CSE - SSRL)
$674,765 03/15/2013 - 02/29/2016

CAREER: Next-Generation Ion Mobility-Mass-Spectrometry of Protein-ligand and Multiprotein Complexes
BRANDON THOMAS RUOTOLO  (LSA Chemistry)
$450,000 05/01/2013 - 04/30/2018

Changes in Public Opinion About Race and Gender Before & After the Advent of Surveys: Further Steps
HOWARD SCHUMAN  (SRC-Administration)
with AMY DOROTHY CORNING
$27,191 05/01/2013 - 04/30/2014

Collaborative Research: Needles with High Inclination Angle Cutting Edge and Polished Surfaces for High Performance Biopsy
ALBERT J SHIH  (CoE Wu Mfg Research Center)
$129,999 08/01/2013 - 07/31/2015

New Strategies for Catalytic Couplings, Cycloadditions, and Redox Conversions
JOHN MONTGOMERY  (LSA Chemistry)
$480,000 08/01/2013 - 07/31/2016

FRG: Collaborative Research: Birational Geometry and Singularies in Zero and Positive Characteristic
MIRCEA IMMANUEL MUSTATA  (LSA Mathematics)
$312,829 07/01/2013 - 06/30/2016

Non-Archimedean Methods in Analysis, Dynamics and Geometry
MATTIAS JONSSON  (LSA Mathematics)
$324,989 07/01/2013 - 06/30/2016

Grant Transfer: GOALI/Collaborative Research: Module-Centric Approach to Integrated Adaptation of Assembly Products and Supply Chains
JEONGHAN KO  (Industrial & Operations Engin)
$142,323 09/01/2012 - 07/31/2014

Role of Chain Architecture on the Properties of Linear and Star Chain Thin Film Polymer Systems
PETER F GREEN  (Materials Science & Engin.)
$560,000 05/01/2013 - 04/30/2017

DISSERTATION RESEARCH: Causes and consequences of biodiversity in coffee agriculture
IVETTE PERFECTO  (Sch of Nat Resources & Environ)
$16,965 06/01/2013 - 11/30/2014
DISSERTATION RESEARCH: The role of biotic association in the evolution of a megadiverse marine bivalve clade

DIARMAD O'FOIGHIL (LSA Ecology & Evolutionary Bio)
$18,722 06/01/2013 - 05/31/2014

REU Supplement: CAREER: Rapid host-parasite evolution and its effects on host invasions: a resurrection ecology study

MEGHAN A DUFFY (LSA Ecology & Evolutionary Bio)
$6,250 04/22/2013 - 04/30/2016

REU Supplement: Mismatch repair in Bacillus subtilis

LYLE A SIMMONS (LSA Molec./Cell./Develop. Bio)
$7,464 03/04/2013 - 07/31/2015

BRIGE: A reductionist approach to enterovirus disinfection

KRISTA WIGGINTON (Civil & Environmental Engr)
$174,365 01/01/2013 - 08/31/2014

The 7th USA-China Chemical Engineering Conference

RALPH T YANG (Chemical Engineering Dept)
$30,000 05/01/2013 - 04/30/2014

Collaborative Research: New Models and Numerical Methods for Flexible Wings, Fins, and Membranes

SILAS D ALBEN (LSA Mathematics)
$130,722 01/01/2013 - 08/31/2013

I-Corps: Customer Discovery for Large Range Nanopositioning

SHORYA AWTAR (Mechanical Engineering)
$50,000 04/15/2013 - 09/30/2013

Supplement: Coupled Aerosol and Climate Models: An Intercomparison of the GFDL Model and the NCAR Model

JOYCE E PENNER (Atm, Oceanic & Space Sci.)
$100,000 04/04/2013 - 07/31/2014

I-Corps: Determining Excavator Proximity to Buried Utilities

VINEET RAJENDRA KAMAT (Civil & Environmental Engr)
with EHSAN REZAZADEH AZAR
$50,000 04/15/2013 - 09/30/2013

I-Corps: Development of Integrated Optofluidic ELISA Biosensor Plates

XUDONG FAN (Biomedical Engineering)
$50,000 05/01/2013 - 10/31/2013

NSF I-Corps: An enzymatic method for eradicating biofilm and multidrug resistant bacterial infections

CHUANWU XI (Environmental Health Sciences)
$50,000 05/01/2013 - 10/31/2013

REU Supplement Support of NSF grant: Design and Fundamental Understanding of Advanced Minimum Quantity Lubrication (MQL) Machining using Nanolubricants-2013

ALBERT J SHIH (CoE Wu Mfg Research Center)
$10,000 04/12/2013 - 08/31/2013

REU Supplement: Mechanics of Intraocular Pressure Increase Associated with Genetic Factors 2013

ALAN ARGENTO (Dbn Coll of Eng-Mechanical Eng)
$10,000 04/13/2013 - 08/31/2014
<table>
<thead>
<tr>
<th>Project Title</th>
<th>Sponsor/Institution</th>
<th>Principal Investigator</th>
<th>Dept/Institute</th>
<th>Fiscal Year</th>
<th>Amount</th>
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<tbody>
<tr>
<td>I-Corps: Explanation-Based Auditing: Improving the Security of Electronic Medical Records</td>
<td>Northwest Research Associates, Inc.</td>
<td>MICHAEL JOHN CAFARELLA</td>
<td>COE EECS - CSE - SSRL</td>
<td>05/01/2013 - 10/31/2013</td>
<td>$50,000</td>
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<td>Implementation of Real Time High-Resolution EUV Solar Spectral Irradiance Forecast</td>
<td>Ohio State University, The</td>
<td>ENRICO LANDI</td>
<td>Atm, Oceanic &amp; Space Sci.</td>
<td>02/20/2013 - 11/12/2013</td>
<td>$29,999</td>
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<td>Supplement to Performance-driven inference and provisioning in multiple platform ATR radar systems</td>
<td>Oncology Nursing Society Foundation</td>
<td>ALFRED O HERO III</td>
<td>COE EECS - ECE - Cspl</td>
<td>09/01/2011 - 09/28/2014</td>
<td>$147,000</td>
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<tr>
<td>Implementation of NCCN Distress Management Guidelines in Ambulatory Oncology</td>
<td>Orthopaedic Research and Education Foundation</td>
<td>KAREN JOAN HAMMELEF</td>
<td>UMH Cancer Center Admin</td>
<td>01/01/2013 - 12/31/2014</td>
<td>$10,000</td>
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<tr>
<td>Effect of arm elevation and rotation on strain in the repaired subscapularis tendon: What arc of motion is safe for early post-operative rehabilitation?</td>
<td>Orthopaedic Research and Education Foundation</td>
<td>ASHEESH BEDI</td>
<td>Orthopaedic Surgery</td>
<td>07/01/2013 - 06/30/2014</td>
<td>$4,989</td>
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<td>Nanocarbon Characterization and Synthesis</td>
<td>Oxazogen, Inc</td>
<td>ANASTASIOS JOHN HART</td>
<td>Mechanical Engineering</td>
<td>04/01/2013 - 09/18/2013</td>
<td>$10,000</td>
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<tr>
<td>Synthetic Nanopores with Fluid Walls for Characterization of Amyloid Oligomers and Detection of Protein Biomarkers</td>
<td>Oxford Nanopore Technologies</td>
<td>MICHAEL MAYER</td>
<td>Biomedical Engineering</td>
<td>03/15/2013 - 03/14/2015</td>
<td>$400,000</td>
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<tr>
<td>A Study to Determine Whether Necitumumab (IMC-11F8)Monotherapy Affects the Corrected QT (QTc) Interval in Patients With Advanced Solid Tumors</td>
<td>Parexel International Corporation</td>
<td>DAVID C SMITH</td>
<td>CTO-Phase 1</td>
<td>04/05/2013 - 03/14/2016</td>
<td>$363,451</td>
</tr>
</tbody>
</table>
Decision Support for Parents Receiving Genetic Information about Child’s Rare Disease

DAVID ERIC SANDBERG (Child Behavioral Health)
with BETH A TARINI
BEVERLY MESBERG YASHAR
CATHERINE ELIZABETH H KEEGAN
EDWARD B GOLDMAN
$1,373,164 03/01/2013 - 02/29/2016

Pfizer, Inc.
Pfizer Consulting Agreement
MATTHIAS KRETZLER (Int Med-Nephrology)
$3,379 04/08/2013 - 04/04/2014

Pharmacyclics, Inc.
UMCC 2012.147: A Multicenter Phase 2 Study of the Bruton's Tyrosine Kinase (Btk) Inhibitor, PCI-32765, in Subjects with Relapsed or Relapsed and Refractory Multiple Myeloma
DANIEL LEBOVIC (Int Med-Hematology/Oncology)
$496,241 04/12/2013 - 10/10/2016

PPD, Inc.
(UMCC# 2012.130) A Randomized, Multicenter, Open-label, Phase 3 Study of the Bruton’s Tyrosine Kinase Inhibitor PCI-32765 versus Chlorambucil in Patients 65 Years or Older with Treatment-naive Chronic Lymphocytic Leukemia or Small Lymphocytic Lymphoma
SAMi MALEK (Int Med-Hematology/Oncology)
$1,080,784 04/01/2013 - 10/04/2016

PRA International
A Phase 2b, Dose-Ranging, Randomized, Double-Blind, Placebo-Controlled Trial Evaluating the Safety and Efficacy of GS-6624, a Monoclonal Antibody Against Lysyl Oxidase-Like 2 (LOXL2), in Subjects with Advanced Liver Fibrosis but not Cirrhosis Secondary to Non-Alcoholic Steatohepatitis (NASH)
ROBERT JOHN FONTANA (Int Med-Gastroenterology)
$191,659 04/11/2013 - 09/30/2016

Peh, Inc.
NSF I/UCRC on Intelligent Maintenance Systems Membership - Peh, Inc. 2013
JUN NI (CoE Ind/Univ Coop Research Ctr)
$40,000 05/01/2013 - 04/30/2014

Premier Research
A Four-Week, Double-Blind, Placebo-Controlled, Randomized, Multicenter Study Evaluating the Safety and Efficacy of AF-219 in Female Subjects with Interstitial Cystitis/Bladder Pain Syndrome
JAMES QUENTIN CLEMENS (Urology)
with ANN L OLDENDORF
$48,636 11/15/2012 - 06/30/2013
Non-linear rheology and microstructure of wormlike micelles

MICHAEL J SOLOMON  (Chemical Engineering Dept)
$80,000  05/01/2013 - 04/30/2014

Purdue University

University Transportation Centers Program - Full

JONATHAN LEVINE  (Urban Planning)
with GEOFFREY THUN
JOSEPH DONALD GRENGS
SUSAN ZIELINSKI
$393,129  02/01/2012 - 12/31/2014

Quintiles, Inc


AJJAI SHIVARAM ALVA  (Int Med-Hematology/Oncology)
$447,678  04/09/2013 - 02/28/2015

A Phase 3, Open-label Study to Determine the Long-Term Safety and Efficacy of Vedolizumab (MLN0002) in Patients with Ulcerative Colitis and Crohn's Disease

PETER DOYLE HIGGINS  (Int Med-Gastroenterology)
$1,500  09/19/2011 - 04/30/2019

Refocus Group, Inc

Proposal to develop a laser-based technique for the Refocus presbyopia treatment

DOUGLAS C NOLL  (Biomedical Engineering)
$93,786  03/01/2013 - 02/28/2014

Robert Bosch Corporation

Automotive Analysis Affiliates Program

BRUCE M BELZOWSKI  (UMTRI-Automotive Analysis Div.)
$7,500  04/01/2013 - 03/31/2014

Sandia National Laboratories

Li-ion battery aging and internal degradation mechanisms

DONALD JASON SIEGEL  (U of M Energy Institute)
$32,600  03/14/2013 - 01/20/2015

Sarcoma Alliance for Research Through Collaboration (SARC)

AME #1 to 2011.099: A Randomized Phase 3, Multicenter, Open-Label Study Comparing TH-302 in Combination with Doxorubicin vs. Doxorubicin Alone in Subjects with Locally Advanced Unresectable or Metastatic Soft Tissue Sarcoma

SCOTT M SCHUETZE  (Int Med-Hematology/Oncology)
$537,730  03/06/2013 - 03/20/2013

SATC Int'l Mech Elec Equipment (H.K.) Limited

Extended Research Activity for Enhanced Training of BME Ph.D. Student

OLIVER DANIEL KRIFFGANS  (Department of Radiology)
$321,000  04/15/2013 - 04/15/2017
Schwarz Biosciences
Cimzia study amendment #2
ELLEN MARY ZIMMERMANN (Int Med-Gastroenterology)
$8,000 10/08/2010 - 02/28/2020

Semiconductor Research Corporation
Interleaved Noise Sampling SAR ADCs
MICHAEL FLYNN (COE EECS - ECE Division)
$115,000 04/01/2013 - 03/31/2014

Siemens Medical Solutions USA, Inc
Study of the ACUSON S3000 ultrasound system
JONATHAN RUSSELL DILLMAN (Department of Radiology)
$1,800 04/15/2013 - 09/30/2013

Simons Foundation
Research in Asymptotic Analysis of Nonlinear Waves in New Settings
PETER D MILLER (LSA Mathematics)
$107,088 09/01/2013 - 08/31/2014

Space Telescope Science Institute
The X-ray and UV spectra of the quiescent neutron star X-ray binary EXO 0748-676
JON MATTHEW MILLER (LSA Astronomy)
$49,161 04/01/2013 - 03/31/2016

Spencer Foundation
Growing Socio-economic Inequalities in Education and the Role of Parental Wealth
FABIAN T PFEFFER (SRC-Psid)
$40,000 04/01/2013 - 03/31/2014

Takeda Pharmaceuticals North America, Inc.
Chronic Stress and Abdominal Pain: Preventive and Reparative Effects of Lubiprostone on Epithelial Tight Junction Expression and Barrier Function
JOHN WILEY (Int Med-Gastroenterology)
with SHUANGSONG HONG
$328,406 03/29/2013 - 09/28/2015

The Hartwell Foundation
Using a novel human intestinal culture system to study intestinal atresia, wound repair and regeneration
JASON SPENCE (Int Med-Gastroenterology)
$100,000 01/01/2013 - 12/31/2014

Mechanisms of Altered ß-cell Development and Susceptibility to Diabetes in Offspring of Protein-restricted Mice During Pregnancy
ERNESTO BERNAL-MIZRACHI (Metabolism, Endo & Diabetes)
$100,000 01/01/2013 - 12/31/2014

Tinker Foundation, The
Tinker Foundation Field Research Grants - LACS
JESSE E HOFFNUNG-MARTIN (LSA II: Latin Amer & Carib St)
$10,000 01/01/2013 - 12/31/2013
Toyota Technical Center, USA, Inc.
Elderly Occupant Posture, Body Shape, and Belt Fit: Time and Cost Extension
MATTHEW PAUL REED (UMTRI-Biosciences)
$49,913 09/01/2011 - 08/15/2013

Transportation, Department of-Federal Highway Administration
Exploratory Advanced Research Program - Supplement 2
JONATHAN LEVINE (Urban Planning)
with MARIA JOSEFA ARQUERO DE ALARCON
$31,303 09/09/2012 - 11/30/2013

Tyler's Hope for a Dystonia Cure, Inc.
Testing the cerebellothalamic hypothesis of DYT1 dystonia
WILLIAM TODD DAUER (Neurology Department)
$50,000 03/15/2013 - 03/14/2014

United Association of Journeymen and Apprentices
Towards a New Approach to UA Instructor Preparation: The Michigan Framework Continuation YR 4
JEROME JOHNSTON (RCGD-Communication/Education)
$47,674 01/01/2013 - 12/31/2013

University of Arkansas for Medical Sciences
Linking Returning Veterans in Rural Community Colleges to Mental Health Care
MARCIA ANN VALENSTEIN (Psych HlthSvc Outcome Research)
with DANIEL EISENBERG
$54,483 12/10/2011 - 12/09/2013

University of California - Berkeley
The TerraSwarm Research Center
PRABAL DUTTA (COE EECS - CSE - ACAL)
with DAVID BLAAUW KEVIN FU
$673,000 01/15/2013 - 10/31/2013

University of Illinois at Chicago
Pilot Systematic Review Course for Health Sciences Librarians: Target Outreach Subcontract Application
JANE L BLUMENTHAL (Library Dean - Health Sciences)
$12,545 02/01/2013 - 04/30/2013

University of Illinois-Urbana-Champaign
Regional Career Development Conference at the Chemistry-Biology Interface
ANNA K MAPP (LSA Chemistry)
$19,200 02/01/2013 - 01/31/2014

University of Pennsylvania
Statistical Methods for Sequential Treatment Decisions in Alcoholism
INBAL NAHUM-SHANI (SRC-Social Envir & Health)
$61,657 04/01/2013 - 08/31/2013
University of Tennessee
Advanced Accident-Tolerant Ceramic Coatings for Zr-alloy Cladding: The C^3 Project
   GARY S WAS  (Nuclear Eng & Radiological Sci)
   $110,000  02/14/2013 - 02/14/2014

University of Texas at Austin
Family Exchanges Study II - SRO Involvement
   KIRA S BIRDITT   (SRC-Life Course Development)
   $45,217  09/01/2012 - 08/31/2013

University of Toledo
RECHARGE: Protein ID by LTQ-Oribtrap XL:
Order # UM-2012-1495, UM-2012-1731 to 1736
   KOJO SEYS JOHN ELENIToba-Johnson (Pathology Department)
   with VENkatesha BASRUR
   $975  04/25/2012 - 06/01/2012

University of Washington
Association of Psychiatric Disorders with Potentially Preventable Acute Medical-Surgical Hospitalizations
   THEODORE IWASHyna (Int Med-Pulm./Critical Care)
   $15,000  04/01/2013 - 05/31/2013

University of Wisconsin
Clinical Course of STEC-HUS in a Contemporary Group of American Children
   DAVID BERREY Kershaw (Pediatrics-Nephrology)
   $4,500  11/01/2012 - 06/01/2013

Urban Institute, The
Disability, Aging, and Long-Term Care Policy and Data Analysis Task Order Contract
   VICKI A FREEDMAN (SRC-Psid)
   $82,874  09/30/2012 - 09/30/2013

Vanderbilt University
Validation of ET-AHI: Effectiveness of OSA Treatment Index
   JEFFReY JOHN STANLEY (LaRGO)
   $9,823  02/18/2013 - 06/30/2013

Tailoring Healthy Eating and Physical Activity for African American Men
   KENNETH RESNICOW (Hlth Behavior & Hlth Ed Dept)
   $18,490  01/18/2013 - 04/30/2013

Various Sponsors
Recharge: Wheelchair Testing
   LAWRENCE W SCHNEIDER (UMTRI-Biosciences)
   $13,100  12/12/2012 - 12/12/2014

ULAM Services - External Customers (various sponsors/Non Fed Funds)
   ROBERT C DYSKO (Lab Animal Medicine Unit)
   $1,336  04/01/2013 - 06/30/2014
Veridex

COMETI P2 Trial: Characterization of Circulating Tumor Cells from patients with Metastatic Breast Cancer Using the CTC-Endocrine Therapy Index -- UMCC 2012.132

DANIEL F HAYES (Int Med-Hematology/Oncology)
$166,350 04/10/2013 - 12/31/2014

Vertex Pharmaceuticals, Inc.

A Phase 3, Two-Arm, Rollover Study to Evaluate the Safety of Long-Term Ivacaftor Treatment in Subjects 6 Years of Age and Older with Cystic Fibrosis and a Non-G551D CFTR Mutation Study

SAMYA Z NASR (Pediatrics-Pulmonary Medicine)
$26,277 09/01/2012 - 08/31/2014

A Phase 3, Two-Arm, Rollover Study to Evaluate the Safety of Long-Term Ivacaftor Treatment in Subjects 6 Years of Age and Older with Cystic Fibrosis and a Non-G551D CFTR Mutation Study

SAMYA Z NASR (Pediatrics-Pulmonary Medicine)
$17,297 01/17/2013 - 11/29/2015

Veterans Affairs, Department of

Michael Geisser - IPA Agreement

MICHAEL E GEISSER (Physical Medicine & Rehab Dept)
$14,584 10/01/2012 - 09/30/2013

Angela Lyden - IPA Agreement

SUSAN LYNN MURPHY (Physical Medicine & Rehab Dept)
$75,650 10/01/2012 - 09/30/2013

IPA - Raymond Kwan 2012 to 2013

BISHR OMARY (Molec & Integrative Physiology)
$75,000 10/01/2012 - 09/30/2013

IPA - Grant Kruger - Modification - 4/1/2012 through 9/30/2012

WILLIAM F WEITZEL III (Int Med-Nephrology)
with GRANT HENRI KRUGER
$6,587 04/01/2012 - 09/30/2012

Virginia Polytechnic Institute and State University

PENGUIn AAL-PIP Spare Equipment

AARON JAMES RIDLEY (Atm, Oceanic & Space Sci.)
$67,473 02/01/2013 - 12/31/2013

Washington University

Factors predictive of rapid visual field loss in early glaucoma

DAVID C MUSCH (Ophthalmology & Visual Science)
$10,043 04/01/2013 - 03/31/2014

Washington University in St. Louis

Dominantly Inherited Alzheimer Network - Therapeutic Treatment Unit

ROBERT A KOEPPE (Department of Radiology)
$23,185 01/01/2013 - 03/31/2013
Wave CPC, Inc
Reducing Wind Turbine Interference for Detecting Nearby Aircraft using a New Radar Propagation Algorithm
ERIC MICHIELSSEN (COE EECS - ECE - Rad)
$68,500 03/01/2013 - 10/31/2013

Wayne, County of
Detroit Center for Family Advocacy - Wayne County Contract 2013 - 2018
VIVEK S SANKARAN (Law Clinical Activity)
$1,734,359 04/01/2013 - 03/31/2018

WestEd
Technical Assistance for a Survey of Schools and Education
JON D MILLER (CPS-Research)
$7,983 02/01/2013 - 07/31/2013

Woods Hole Oceanographic Institute
Improving Attachments of Non-invasive Bio-logging tags on Cetaceans - Supplement
KENNETH ALEXANDER SHORTER (Mechanical Engineering)
$10,580 01/01/2013 - 12/31/2013

Yale University
Risk Stratification in Older Persons with Acute Myocardial Infarction: SILVER-AMI
ELIZABETH JACKSON (Int Med-Cardiology)
$19,200 04/01/2013 - 05/31/2013

Pregnancy Registry - Cooperative Multicenter Reproductive Medicine Network
YOLANDA REGINA SMITH (Obstetrics and Gynecology Dept)
$1,740 12/01/2012 - 11/30/2013