The awards detailed in this list were established July 1, 2011 through March 31, 2012. 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>Number of Awards FY 2011</th>
<th>Number of Awards FY 2012</th>
<th>% Change</th>
<th>Value of Awards FY 2011</th>
<th>Value of Awards FY 2012</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Awards Processed (March)</td>
<td>246</td>
<td>207</td>
<td>-15.9%</td>
<td>$ 74,081,039</td>
<td>$ 63,573,856</td>
<td>-14.2%</td>
</tr>
<tr>
<td>Research Awards</td>
<td>167</td>
<td>145</td>
<td>-13.2%</td>
<td>$ 67,512,776</td>
<td>$ 52,624,702</td>
<td>-22.1%</td>
</tr>
<tr>
<td>Research Training</td>
<td>10</td>
<td>9</td>
<td>-10.0%</td>
<td>$ 2,498,011</td>
<td>$ 7,087,471</td>
<td>183.7%</td>
</tr>
<tr>
<td>Other Sponsored Activity</td>
<td>69</td>
<td>53</td>
<td>-23.2%</td>
<td>$ 4,070,252</td>
<td>$ 3,861,683</td>
<td>-5.1%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Number of Awards FY 2011</th>
<th>Number of Awards FY 2012</th>
<th>% Change</th>
<th>Value of Awards FY 2011</th>
<th>Value of Awards FY 2012</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Awards Processed Fiscal Year to Date</td>
<td>2,202</td>
<td>2,179</td>
<td>-1.0%</td>
<td>$ 849,784,673</td>
<td>$ 837,421,178</td>
<td>-1.5%</td>
</tr>
<tr>
<td>Research Awards</td>
<td>1,565</td>
<td>1,486</td>
<td>-5.0%</td>
<td>$ 726,274,454</td>
<td>$ 758,083,441</td>
<td>4.4%</td>
</tr>
<tr>
<td>Research Training</td>
<td>111</td>
<td>108</td>
<td>-2.7%</td>
<td>$ 45,467,165</td>
<td>$ 25,053,880</td>
<td>-44.9%</td>
</tr>
<tr>
<td>Other Sponsored Activity</td>
<td>526</td>
<td>585</td>
<td>11.2%</td>
<td>$ 78,043,054</td>
<td>$ 54,283,857</td>
<td>-30.4%</td>
</tr>
</tbody>
</table>

The number of total awards processed in March declined significantly from March 2011, resulting in a decrease in the number and dollar value of awards for the month. As a result the year-to-date number and dollar totals of total awards have moved slightly back into negative territory.
### RESEARCH EXPENDITURES

<table>
<thead>
<tr>
<th></th>
<th>Federal Expendable Restricted</th>
<th>Other Funds</th>
<th>Total Expenditures</th>
</tr>
</thead>
<tbody>
<tr>
<td>February 2012</td>
<td>$527,696,571</td>
<td>$331,134,883</td>
<td>$858,831,454</td>
</tr>
<tr>
<td>February 2011</td>
<td>$537,601,721</td>
<td>$260,740,288</td>
<td>$798,342,009</td>
</tr>
<tr>
<td>Percent Change</td>
<td>-1.8%</td>
<td>27.0%</td>
<td>7.6%</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

March 01, 2012 through March 31, 2012

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.

ALCOA Foundation
Revitalization and Business Initiative Student Organization Sponsorship

   VALERIE Y SUSLOW  (ROSS SCH Research Support)
   $15,000  01/31/2012 - 06/30/2013

Alion Science and Technology
Supplemental measurements for the NEXUS exposure and health study - #3 - Winter 2012

   STUART ARTHUR BATTERMAN  (Environmental Health Sciences)
   $49,984  02/22/2012 - 03/31/2012

American Academy of Otolaryngology - Head & Neck Surgery Foundation, Inc.
A Combined Approach for Managing Mandibular Non-Unions After Radionecrosis

   STEVEN R BUCHMAN  (Plastic Surgery Section)
   $20,000  07/01/2011 - 06/30/2012

American Association of Colleges of Nursing
Jonas Nurse Scholars Program

   SUSAN JANE PRESSLER  (SON-Grants)
   $10,000  09/01/2012 - 05/31/2014

American Dietetic Association Foundation
Diet and Nutritional Status in the Year Following Diagnosis of Head and Neck Cancer

   LAURA MARIE ROZEK  (Environmental Health Sciences)
   $10,000  08/01/2011 - 07/31/2012

American Urogynecologic Society
Understanding the dissemination of sacral neuromodulation

   JAMES QUENTIN CLEMENS  (Urology Surgery)
   $15,000  01/01/2012 - 01/31/2013

American Urological Association Foundation
AUA Foundation Rising Star Application

   DAVID CHRISTOPHER MILLER  (Urology Surgery)
   $147,000  09/01/2011 - 06/30/2014

Aramco Services Company
Sustainable Worldwide Transportation

   MICHAEL SIVAK  (UMTRI-Human Factors)
   $135,000  05/18/2012 - 05/17/2015
Area Agency on Aging - Michigan
AAA 1-B NSIP Contract FY 2011 Additional Funding
SHARON A REDMER (UMH AA Meals on Wheels - Gifts)
$1,251 10/01/2010 - 09/30/2011

Axokin Pharmaceuticals
Phase 2: Testing an Axokin compound in a SCID model of Idiopathic Pulmonary Fibrosis
CORY M HOGABOAM (Pathology Department)
$66,240 02/01/2012 - 01/31/2013

Battelle Memorial Institute
Transit Safety Retrofit Package (TRP) Development
DAVID JAMES LEBLANC (UMTRI-Engineering Systems)
$300,857 01/19/2012 - 09/30/2013

Blue Cross Blue Shield of Michigan Foundation
Qualitative Assessment of Premorbid Urogenital Symptoms in Women with Vulvodynia
BARBARA D REED (Family Medicine)
with LAURIE LEGOCKI
$10,000 07/01/2011 - 06/30/2012

Women?s Utilization of Preventative Health Services
VANESSA K DALTON (Obstetrics and Gynecology Dept)
with RUTH C CARLOS
XIAO XU
$75,000 03/01/2012 - 02/28/2013

Boeing Company, The
Structural Technologies Development, Year Two
ANTHONY M WAAS (Aerospace Engineering)
$135,000 11/15/2010 - 12/31/2012

Breast Cancer Research Foundation, The
SOFIA D MERAJVER (Int Med-Hematology/Oncology)
$997 10/01/2011 - 09/30/2012

Brigham and Women's Hospital
A Randomized, Double-Blind, Placebo Controlled, Parallel Group, Multinational Trial, to Assess the Prevention of Thrombotic Events with Ticagrelor Compared to Placebo on a Background of Acetyl Salicylic Acid (ASA) Therapy in Patients with History of Myocardial Infarction? (PEGASUS - TIMI 54)
DANIEL S MENEES (Int Med-Cardiology)
$112,330 03/01/2012 - 06/30/2015

Stress-Lead Interactions and Child Development
HOWARD HU (Environmental Health Sciences)
$19,378 12/16/2011 - 10/31/2012
Bristol-Myers Squibb Company
*Effect of SMO Inhibitor (BMS-833923, XL 139) Combined with Dasatinib on CML Primitive Progenitors.*

MOSHE TALPAZ (Int Med-Hematology/Oncology)

with LUKE PETERSON
$217,000 03/02/2012 - 03/01/2013

Brown University
*Genome-Wide Association Studies of Adiposity in Samoans - Year 3*

ANA BAYLIN (Epidemiology Department)
$12,684 06/01/2010 - 12/31/2012

Carnegie Institution of Washington
*Fast Imaging Plasma Spectrometer (FIPS) in Support of the Energetic Particle and Plasma Spectrometer (EPS) Investigation for the MESSENGER Mission to Mercury: Phase E Slavin FY12 & FY13 Supplement*

JAMES ARTHUR SLAVIN (Atm, Oceanic & Space Sci.)
$183,000 10/01/2011 - 03/31/2013

Carnegie-Mellon University
*siRNA Delivery by Nanostructured Polymers to Prevent Heterotopic Ossification in Combat Polytrauma*

YUJI MISHINA (DENT Bio & Materials Science)
$129,827 03/15/2012 - 02/14/2014

Center for Applied Special Technology (CAST)
*RECHARGE: Relative Quantitation by iTRAQ*

KOJO SEYS JOHN ELENITOA-JOHNSON (Pathology Department)

with VENKATESHA BASRUR
$4,014 01/01/2012 - 06/30/2012

Children's Hospital of Los Angeles
*TACL T2009-004 A Phase I Study of AC220 for Children With Relapsed or Refractory ALL or AML (IND 111461)*

RAYMOND J HUTCHINSON (Pediatrics-Hematology/Oncology)
$22,000 07/18/2009 - 07/18/2012

Cisco Systems, Inc.
*Cisco Systems Partner Agreement 4-26-12 thru 4-25-13*

JEANNE P MURABITO (CoE Eng Career Resource Center)
$10,000 04/26/2012 - 04/25/2013

Community Pharmacy Foundation
*Community Heart Failure Program - The One Minute Clinic?*

BARRY E BLESKE (PHARMACY Clin, Soc & Admin Sci)
$16,149 08/25/2011 - 08/24/2012
Cornell University
Long-term Ecological Research at Hubbard Brook Experimental-Michigan Subcontract

JOEL D BLUM (LSA Earth & Environmental Sci.)
$205,000 02/01/2011 - 01/31/2017

CytoPherx, Inc
A Multi-Center, Randomized, Controlled, Pivotal Study To Assess the Safety and Efficacy of A Selective Cytopheretic Device (SCD) In Patients with Acute Kidney Injury (AKI)

LENA M NAPOLITANO (GSA - Acute Care Surgery (ACS))
$249,800 12/15/2011 - 12/14/2013

Defense, Department of-Air Force, Department of the
CONTROL OF HEAT AND CHARGE TRANSPORT IN NANOSTRUCTURED HYBRID MATERIALS
AKRAM BOUKAI (Materials Science & Engin.)
$600,000 03/15/2012 - 03/14/2015

Premixed Turbulent Combustion in High Reynolds Number Regimes of Thickened Flamelets and Distributed Reactions

JAMES F DRISCOLL (Aerospace Engineering)
$1,103,656 03/15/2012 - 03/14/2015

Magneto-electric Energy Conversion of Optical Energy to Electricity

STEPHEN C RAND (COE EECS - ECE - OPT)
$466,919 04/01/2012 - 03/31/2015

Defense, Department of-Army, Department of the
BC110643-Targeting breast cancer stem cells through combined PARP and Hsp90 inhibition

SULING LIU (Int Med-Hematology/Oncology)
with DUXIN SUN
$767,021 04/15/2012 - 04/14/2014

Defense, Department of-Defense Threat Reduction Agency
Advance Room-Temperature 3-D Semiconductor y-Ray Imaging Detectors (From Polaris to Orion)

ZHONG HE (Nuclear Eng & Radiological Sci)
$3,440,781 03/01/2012 - 02/28/2015
Investigation of texture synthesis approaches for generation of metallic microstructures

VEERA SUNDARARAGHAVAN (Aerospace Engineering)
$27,755 04/01/2012 - 12/31/2012

Identification of Biomarkers for Stress Vulnerability and Resilience

HUDA AKIL (Molecular & Behav Neurosc Inst)
with CORTNEY ANN TURNER
JUAN F LOPEZ
MICHAEL D UHLER
STANLEY J WATSON JR
$1,438,294 02/01/2012 - 01/31/2015

Understanding Marine Biofouling Mechanisms at the Molecular Level

ZHAN CHEN (LSA Chemistry)
$470,000 03/01/2012 - 02/28/2015

Experimental Chaos and Complexity Conference at the University of Michigan

MICHAL R ZOCHOWSKI (LSA Physics)
$30,000 02/21/2012 - 12/31/2012

Design and Approval Approaches for Secondary Loads Predictions from High-Fidelity Tools

MATTHEW DAVID COLLETTE (Naval Arch & Marine Dept)
$74,588 03/01/2012 - 04/30/2013

Nano-scale identification of origin of tensile stress states under various loading modes

VEERA SUNDARARAGHAVAN (Aerospace Engineering)
$240,000 09/01/2012 - 08/31/2015

Detroit Area Pre-College Engineering Program (DACEP)

Michigan Introduction to Technology & Engineering (MITE) Program & Summer Enrichment Program 2011

MARY BETH DAMM (CoE Ctr Eng Divers & Outrch)
$18,000 07/01/2011 - 08/31/2011

DAPCEP Spring Programs 2011

MARY BETH DAMM (CoE Ctr Eng Divers & Outrch)
$12,750 01/01/2011 - 04/30/2011

DMG Dental Materials

Radiographic Progression of Infiltrated Caries Lesions in-vivo (add'l funds)

MATHILDE C PETERS (DENTCariology,Restor Sci & Endo)
$20,512 10/01/2008 - 12/31/2014

Drexel University

Fundamental Studies of the Role of Grain Boundaries on Uniform Corrosion of Advanced Nuclear Reactor Materials

EMMANUELLE MARQUIS (Materials Science & Engin.)
$457,371 11/30/2011 - 09/30/2015

Duke University

Durham Diabetes Coalition

MARIE LYNN MIRANDA (CEHI-Children’s Evn Hlth In)
$1,157,541 09/01/2011 - 06/30/2016
**Earhart Foundation**

*Graduate Fellowship for Damien K. Picariello*

ARLENE W SAXONHOUSE  (LSA Political Science)

$7,654  05/01/2011 - 04/30/2012

**Eaton Innovation Center**

*Fleet Efficiency - Driver Feedback Technology*

DAVID JAMES LEBLANC  (UMTRI-Engineering Systems)

with JOHN M SULLIVAN  
PAUL A GREEN

$70,000  02/01/2012 - 01/15/2013

**Economic & Social Research Council**

*Consultancy: Innovations in Data Collection Technology*

MICK P COUPER  (SRC-Survey Methodology Prog)

$15,398  10/01/2011 - 01/31/2012

**Electric Power Research Institute**

*Thermal Cycling Model Review and Recommendations*

ANNALISA MANERA  (Nuclear Eng & Radiological Sci)

$5,579  02/13/2012 - 12/23/2012

**Electronics and Telecommunications Research Institute**

*A new technology for silicon MiR photodetectors*

WEI LU  (COE EECS - ECE - SSEL)

$65,913  11/01/2011 - 10/31/2014

**EMD Serono, Inc**

*Follow-up to a multi-center, prospective, open label tolerability and safety monitoring study of mitoxantrone hydrochloride (Novantrone) in a selected cohort of multiple sclerosis (MS) subjects*

TIFFANY JOY BRALEY  (Neurology Department)

$9,506  02/29/2012 - 02/28/2013

**Energy, Department of**

*Bottom Fixed Platform Dynamics Models Assessing Surface Ice Interactions for Transitional Depth Structures in the Great Lakes*

DALE G KARR  (Naval Arch & Marine Dept)

$229,998  09/30/2011 - 09/30/2013

**ERC, Inc.**

*Advanced Membranes for the Purification of Hydrocarbon Fuels*

ANISH TUTEJA  (Materials Science & Engin.)

$100,000  03/01/2012 - 09/30/2012

**Exelixis**

*2011.069: A Phase II Trial of Cabozantinib (XL184) in Patients with Castrate-Resistant Prostate Cancer Metastatic to Bone*

DAVID C SMITH  (Int Med-Hematology/Oncology)

$205,000  02/21/2012 - 01/31/2015
Florida International University
Florida International University & NSF
ABIGAIL J STEWART (ADVANCE Program)
$97,841 01/06/2012 - 07/31/2014

Ford Motor Company
Hydrogen Storage Engineering R&D Extension 6/30/2014
DONALD JASON SIEGEL (Mechanical Engineering)
$69,050 09/01/2012 - 06/30/2014

Francis, Parker B.
The role of IRAK-M in regulating hyperoxic lung injury
THEODORE J STANDIFORD (Int Med-Pulm./Critical Care)
$156,000 07/01/2012 - 06/30/2015

Gates, Bill and Melinda, Foundation
Building Practical Infrastructure for Learning to Teach the Common Core
DEBORAH LOEWENBERG BALL (School of Education)
FRANCESCA MARIA FORZANI (School of Education)
$1,999,998 03/13/2012 - 02/28/2014

GE Aviation
Deformation, Damage and Failure Mechanisms in Ceramic Matrix Composites - Year Three
ANTHONY M WAAS (Aerospace Engineering)
with JOHN W HALLORAN
SAMANTHA HAYES DALY
$450,000 05/14/2010 - 12/31/2012

GE Healthcare
University of Michigan/GE Tech Transfer Agreement
MICHAEL R KILBOURN (Department of Radiology)
$27,504 05/20/2009 - 05/19/2012

General Electric Company
Turbomachinery Blade/Flade Dynamics
BOGDAN EPUREANU (Mechanical Engineering)
$299,995 01/01/2012 - 12/31/2012

General Motors Company
PANOS Y PAPALAMBROS (ME GM)
$99,370 03/01/2012 - 10/31/2012

Genesee County
REACH US
DANIEL JAMES KRUGER (Hlth Behavior & Hlth Ed Dept)
$84,997 10/01/2011 - 09/30/2012
Genzyme Corporation

Incremental 2009.037: A Phase I, Dose Escalation Study of Plerixafor in Combination with Cytarabine and Daunorubicin in Patients with Newly Diagnosed Acute Myeloid Leukemia

HARRY P ERBA  (Int Med-Hematology/Oncology)
$17,444  12/08/2009 - 11/30/2013

GlaxoSmithKline (GSK)

A double-blind, randomized, placebo-controlled Phase III study to assess the efficacy of recMAGE-A3 + AS15 ASCI as adjuvant therapy in patients with MAGE-A3-positive resected stage III melanoma

CHRISTOPHER D LAO  (Int Med-Hematology/Oncology)
$2,050  12/15/2011 - 08/14/2014

Grant, William T., Foundation

The Role of Research in Enhancing Family Planning and Pregnancy Prevention for Teens

JENNIFER S BARBER  (Pop Studies-Research)
$199,784  11/01/2011 - 10/31/2013

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

Aqueous Humor Dynamic Components that Determine Intraocular Pressure Variance

SAYOKO E MOROI  (Ophthalmology & Visual Science)
with DAVID C MUSCH
JULIA E RICHARDS
$1,605,752  03/03/2012 - 02/29/2016

Custom Designed Pre-Fabricated Bone Flaps for Mandibular Reconstruction

SCOTT J HOLLISTER  (Biomedical Engineering)
with SEAN PETER EDWARDS
$445,287  04/01/2012 - 03/31/2014

Enzymology of the Reductive Acetyl-CoA Pathway

STEPHEN W RAGSDALE  (Biological Chemistry Dept)
$1,578,173  04/01/2012 - 01/31/2016

Cell specific expression in the pituitary gland

SALLY ANN CAMPER  (Human Genetics Department)
with SHANNON W DAVIS
$2,147,660  02/24/2012 - 01/31/2017

MMP14-dependent regulation of adipose tissue remodeling and function

TAE-HWA CHUN  (Metabolism, Endo & Diabetes)
with MAYUMI INOUE
$1,691,065  09/01/2012 - 06/30/2017

Neighborhood Characteristics and Childhood Weight Trajectories: An Agent Based Modeling Approach

JOYCE M LEE  (Pediatrics-Ambulatory Care Pgm)
with ANA V DIEZ ROUX
$155,500  04/01/2012 - 03/31/2014

Geographic Variation in the Health and Economic Determinants and Outcomes of Elective Surgery

LAUREN HERSCH NICHOLAS  (SRC-Hrs)
$622,350  04/01/2012 - 03/31/2017
Novel mechanisms of mitochondrial regulation by sirtuin deacetylases
DAVID LOMBARD (Pathology Department)
$1,477,250 04/01/2012 - 03/31/2017

Neuronal and genetic basis of photosensory behavior in C. elegans
X Z SHAWN XU (Life Sciences Institute-Admin)
$1,166,250 04/01/2012 - 03/31/2015

Ataxia gene identification by integrated genomic analysis
JUN LI (Molecular & Behav Neurosc Inst)
MARGIT BURMEISTER (Molecular & Behav Neurosc Inst)
with JACK M PARENT
KAREN MACZENKO
$2,012,081 03/01/2012 - 02/29/2016

Novel Hedgehog Receptors As Therapeutic Targets In Pancreatic Cancer
BENJAMIN ALLEN (Cell and Developmental Biology)
MARINA PASCA DI MAGLIANO (Cell and Developmental Biology)
$372,034 04/01/2012 - 03/31/2014

Bayesian Spatial Point Process Modeling of Neuroimage Data
TIMOTHY D JOHNSON (Biostatistics Department)
with STEPHAN F TAYLOR
$1,498,174 04/01/2012 - 12/31/2016

The Transition from Childhood into Adulthood among PSID Children, 2013 and 2015
NARAYAN SASTRY (SRC-Psid)
with KATHERINE A MCGONAGLE
ROBERT F SCHOENI
$3,184,402 04/01/2012 - 01/31/2017

Development of Genetic Tools for a Short-lived Fish Model in Aging Research
CUNMING DUAN (LSA Molec./Cell./Develop. Bio)
$419,755 04/01/2012 - 03/31/2014

Molecular Programs for Stem Cells of Hematological Malignancies
YIN WANG (GSA - Surgery Immunology (IMM))
with YAN LIU
$372,034 04/01/2012 - 03/31/2014

Central Nervous System Regulation of Aging Physiology in Drosophila
SCOTT PLETCHER (Molec & Integrative Physiology)
$101,404 06/01/2012 - 05/31/2014

Tranylcypromine inactivation of LSD1 as a possible treatment for sickle cell disease
JAMES DOUGLAS ENGEL (Cell and Developmental Biology)
with JUAN F LOPEZ
OSAMU TANABE
$427,625 04/01/2012 - 03/31/2014

Small Molecule Inhibitors of FGF22-Mediated Excitatory Synaptogenesis & Epilepsy
HISASHI UMEMORI (Molecular & Behav Neurosc Inst)
$77,750 04/01/2012 - 03/31/2014
Architectural Basis of Leptin Transmembrane Signaling

GEORGIOS SKINIOTIS (Life Sciences Institute-Admin)
$120,840 04/01/2011 - 03/31/2016

R01 DK54222-Growth Hormone Regulation of SH2-B

CHRISTIN CARTER-SU (Molec & Integrative Physiology)
$121,868 09/01/2011 - 08/31/2015

Unraveling folding and mechanism of a small model ribozyme - Berhane Assefa Diversity Supplement

NILS G WALTER (LSA Chemistry)
$123,103 09/01/2011 - 06/30/2015

Mechanisms of intestine development

JASON SPENCE (Int Med-Gastroenterology)
$653,013 03/15/2012 - 03/31/2016

Health Solutions

Health Solutions - Kimberly Clark amendment

DEE W EDINGTON (Health Management Research Ctr)
LOUIS TZE-CHING YEN (Health Management Research Ctr)
$35,000 09/01/2009 - 08/31/2013

Hispanic Association of Colleges and Universities (HACU)

Translating Research into Healthy Native Hawaiian and Pacific Islander (NHPI) Communities: Proposal for the Pacific Islander American Health Study Evaluation and Health Disparities Awareness

SELA V PANAPASA (RCGD-PRBA)
with SHARON ZENECIA SIMONTON
$45,000 08/01/2011 - 08/31/2012

Histosonics

Supplement to: Treatment Strategy for Histotripsy Homogenization of Prostate Part 1: Management of Prostatic Urethra

WILLIAM W ROBERTS (Urology Surgery)
$52,605 07/01/2012 - 12/31/2012

Hofstra University

RUI: NetS:Small:A Collaborative and Secure k-Cover-Sense-Inform Framework (k-CSI) for Heterogeneous Deployment of Mission-Oriented Mobile Wireless Sensor Networks

HABIB M AMMARI (Dbn Col of Eng-Computer & Info)
$246,818 01/01/2012 - 07/31/2013

HStar

A Near Autonomous Combat Casualty Extraction Robotic System

EDWIN OLSON (COE EECS - CSE - AI)
$70,000 11/01/2011 - 10/15/2012

IBM

"Optimization in Smarter-Grid Engineering and Operations"

SIQIAN MAY SHEN (Industrial & Operations Engin)
$10,000 03/01/2012 - 08/31/2013
Optimization of Progressive Queries in a Database Management System
QIANG ZHU (Dbn Col of Eng-Computer & Info)
$28,000 01/01/2012 - 12/31/2012

Enhanced Registries for Inflammatory Bowel Disease
JEREMY ADLER (Pediatrics-Gastroenterology)
$18,750 09/01/2011 - 08/31/2012

Low-Loss Optical Fibers for Mid-Infrared Laser Applications
STEPHEN C RAND (COE EECS - ECE - OPT)
$50,000 02/01/2012 - 07/31/2013

A Phase II, Multicenter, Open-Label, Long-term Treatment Study to Determine the Safety, Tolerability, and Efficacy of AAB-001 (ELN115727) in Patients with Alzheimer’s Disease who Participated in Study AAB-001-201 or AAB-001-202 Amendment’s #3 & #4.
NANCY R BARBAS (Neurology Department)
$191,555 07/01/2007 - 06/30/2014

A Phase 3, Multicenter, Randomized, Double-Blind, Placebo-Controlled, Parallel Group, Efficacy Safety Trial of Bapineuzumab (AAB-001, ELN115727) in Patients with Mild to Moderate Alzheimer’s Disease who are Apolipoprotein E 4 Non-Carriers Amendments #3 & #4
NANCY R BARBAS (Neurology Department)
$59,062 03/01/2008 - 02/28/2013

Randomized, Open-Label Study of Abiraterone Acetate (JNJ-212082) Plus Prednisone With or Without Exemestane in Postmenopausal Women With ER+ Metastatic Breast Cancer Progressing After Letrozole or Anastrozole Therapy
DANIEL F HAYES (Int Med-Hematology/Oncology)
$443,330 03/01/2012 - 06/23/2014

Wnts Role on Prostate Cancer Competing for the Hematopoietic Stem Cell Niche and Regulation of Dormancy
EVAN T KELLER (Urology Surgery)
$179,400 03/15/2012 - 03/15/2014

Neighborhoods Taking Action: A Partnership Approach to Policy and Systems Change to Improve High School Graduation Rates and Health in Detroit
BARBARA ANNE ISRAEL (Hlth Behavior & Hlth Ed Dept)
$150,000 02/01/2012 - 10/31/2013

Realistic Nuclear Plant Safety Analysis Representing System Degradations
JOHN C LEE (Nuclear Eng & Radiological Sci)
$210,000 03/01/2012 - 02/28/2015
Evaluation of Serum E-cadherin (sE-cad) and the ADAM15 Pro-domain (proA15) as Indicators of Cetuximab Activity in Metastatic Bladder Cancer Patients

MARK L DAY (Urology Surgery)
$19,900 03/07/2012 - 03/06/2013

Lockheed Martin Corporation
Microplasmas for Signal Processing and Electromagnetic Control (DARPA BAA 11-31, Microscale Plasma Devices)

MARK KUSHNER (COE EECS - ECE - Rad)
$56,077 02/23/2012 - 12/31/2012

Lymphoma Research Foundation (LRF)
Transcription network controlled by GATA-3 protein during T cell specification and commitment

JAMES DOUGLAS ENGEL (Cell and Developmental Biology)
$105,000 05/01/2012 - 04/30/2014

Maelstrom, Inc.
Maelstrom Jet Pump Test

STEVEN FRANCIS ZALEK (Naval Arch & Marine Dept)
$9,200 02/20/2012 - 03/02/2012

Massachusetts Institute of Technology
Solar UAS Development: Phase II

ELLA MARIE ATKINS (Aerospace Engineering)
with PETER D WASHABAUGH
$250,000 09/01/2010 - 10/31/2012

A High-Linearity Cell-Based DAC

DAVID D WENTZLOFF (COE EECS - ECE - SSEL)
$148,708 01/01/2012 - 06/30/2013

Mayo Clinic
LIPS-A: Lung Injury Prevention Study with Aspirin

PAULINE K PARK (GSA - Acute Care Surgery (ACS))
with JOHN GRAFTON YOUNGER
$55,652 09/01/2011 - 08/31/2012

McKing Consulting Corporation
Winnable Battles for Public Health Genomics

TOBY CITRIN (Health Management and Policy)
$57,161 02/01/2012 - 09/29/2012

MED-EL Corporation
Functional Implications of Reinnervation of Auditory Nerve Peripheral Processes in the Implanted Cochlea

YEOHASN RAPHAEL (Kresge Hearing Research Inst)
with BRYAN E PFINGST
$126,156 09/01/2011 - 12/31/2012
Medtronic, Inc.

Medtronic CoreValve® Continued Access Study (Extreme Risk Patients)

  G MICHAEL DEEB  (Cardiac Surgery)

  with  ERIC ELSNER ADELMAN
        HIMANSHU J PATEL
        PAUL MICHAEL GROSSMAN
        STANLEY J CHETCUTI

  $990,275  03/01/2012 - 02/28/2019

Merck/Schering-Plough Pharmaceuticals

Administration of a DPP-IV Inhibitor Enhances the Intestinal Adaptation in a Mouse Model of Short Bowel Syndrome

  DANIEL H TEITELBAUM  (Pediatric Surgery Section)

  $141,134  02/17/2012 - 02/17/2014

Mespera Lifesciences, Inc

Correlation of Physical Exam vs Non-invasive Near-infrared Spectroscopy vs Invasive Hemodynamic Assessment of Central Venous Pressure

  TODD M KOELLING  (Int Med-Cardiology)

  $13,814  01/01/2012 - 12/31/2012

Michigan, State of, Education, Department of

Michigan Department of Education/College Access Challenge Grant 2010- 2012

  WILLIAM COLLINS  (Ctr for Educational Outreach)

  $256,112  08/14/2010 - 08/13/2012

Michigan, State of, Environmental Quality, Department of

Rip Currents in the Great Lakes: Advancing Forecasting through Perishable Data Recovery and Analysis

  GUY A MEADOWS  (Atm, Oceanic & Space Sci.)

  with  DAVID R LYZENGA
        LORELLE ANNISE MEADOWS
        OKEY NWOGU

  $60,000  01/01/2012 - 03/31/2013

Michigan, State of, Michigan Council for Arts and Cultural Affairs

Arts and Culture Reporting 2012

  TAMAR R CHARNEY  (Michigan Radio)

  $15,000  01/01/2012 - 09/30/2012

MCACA Travelling Production of "Rising"

  GULUMA GEMEDA  (Flint Africana Studies Dept)

  with  CAROLYN NUR WISTRAND
        PHILLIP A BARNHART

  $6,000  01/02/2012 - 03/31/2012

Michigan, State of, Michigan Economic Development Corporation

Tech Transfer Talent Network (MEDC UTACP)

  KENNETh J NISBET  (Office of Technology Transfer)

  $2,430,000  12/15/2011 - 12/15/2013
Michigan, State of, Strategic Fund

Michigan Gear Up (MI GEAR UP) Program - VISTA Component
  MARY BETH DAMM (CoE Ctr Eng Divers & Outrch)
  $1,500  09/26/2011 - 09/25/2012

Michigan State University

The role of social network sites in facilitating collaborative processes
  CLIFFORD A LAMPE (School of Information)
  $16,602  12/01/2011 - 09/30/2012

National Aeronautics and Space Administration

Coordinated Swift Optical Near-IR Observations of Soft X-Ray Transients
  JON MATTHEW MILLER (LSA Astronomy)
  $31,700  01/10/2012 - 01/09/2013

Swift Monitoring of The Enigmatic X-Ray Binary System 4U 1957+11
  JON MATTHEW MILLER (LSA Astronomy)
  $15,000  01/27/2012 - 01/26/2013

LCLUC SYNTHESIS: Forested Land Cover and Land Use Change in the Far East of the Northern Eurasia Under the Combined Drivers of Climate and Socio-Economic Transformation
  KATHLEEN MARY BERGEN (Sch of Nat Resources & Environ)
  with DAN BROWN
  with JOSH NEWELL
  $999,147  01/06/2012 - 01/05/2015

Energization of the Outer Electron Radiation Belt by Magnetic Pumping
  JOSEPH ERIC BOROVSKY (Atm, Oceanic & Space Sci.)
  with MICHAEL WARREN LIEMOHN
  with NATALIA GANJUSHKINA
  $388,417  01/05/2012 - 01/04/2015

Analysis of Atmospheric Reactions Important in the Upper Troposphere and Lower Stratosphere
  JOHN R BARKER (Atm, Oceanic & Space Sci.)
  $506,678  01/19/2012 - 01/18/2015

Mars Organic Molecule Analyzer (MOMA)
  Electrical/Electronic Subsystem Design and Layout (BRIDGE)
  CHARLES J M EDMONSON JR (Space Physics Research Lab)
  $149,718  01/08/2012 - 05/08/2012

National Association for Chronic Disease Directors

Healthy People 2020
  JESSICA DANIELLE FAUL (SRC-Hrs)
  with GWENITH GWYN FISHER
  with KENNETH M LANGA
  $38,000  01/15/2012 - 09/29/2012

National Athletic Trainers Association Research & Education Foundation (NATA)

Concussion across the lifespan: Persistent effects on brain, neurocognitive functioning, and motor control
  STEVEN P BROGLIO (School of Kinesiology)

National Science Foundation
CAREER: A multi-scale approach to assessment of climate change impacts on hydrologic and geomorphic response of watershed systems within an uncertainty framework

VALERIY Y IVANOV (Civil & Environmental Engr)
$548,334 06/01/2012 - 05/31/2017

CAREER: Paleotopography using clumped isotopes in the Basin and Range: Refining the three dimensional evolution of a continental extensional province

NATHAN A NIEMI (LSA Earth & Environmental Sci.)
$509,997 06/01/2012 - 05/31/2017

Investigation and redesign of nonribosomal peptide synthetases

SYLVIE GARNEAU-TSODIKOVA (Life Sciences Institute-Admin)
$679,948 04/01/2012 - 03/31/2017

CAREER: Holistic System Solutions for Empowering Parallel Programmers

SATISH NARAYANASAMY (COE EECS - CSE - ACAL)
$538,671 04/01/2012 - 03/31/2017

REU Site: Interdisciplinary Research Experiences for Undergraduates (REU) Program in the Structure and Function of Proteins

CHERIE REBECCA DOTSON (College of Pharmacy)
$100,000 03/01/2012 - 02/28/2013

Investing in Innovation by Empowering Returning PhD Students

SHANNA DALY (CoE CRLT-Engin)
with STEVEN J SKERLOS
$425,888 04/01/2012 - 03/31/2015

Efficient Modeling in Quantile Regression

XUMING HE (LSA Statistics)
$346,244 09/01/2011 - 08/31/2013

FRG: Collaborative Research: Unified Statistical Theory for the Analysis and Discovery of Complex Networks

ELIZAVETA LEVINA (LSA Statistics)
$206,579 06/01/2012 - 05/31/2015

"Forecasting and Control Methodology for Monitoring and Management of Chronic Diseases"

MARIEL SOFIA LAVIERI-RODRIGUEZ (Industrial & Operations Engin)
with JOSHUA D STEIN
MARK PETER VAN OYEN
$280,000 05/01/2012 - 04/30/2014

"Practical Algorithms for Applied Submodular Optimization"

JON LEE (Industrial & Operations Engin)
$260,000 05/01/2012 - 04/30/2015

Collaborative Research: Automatic Behavior Monitoring for In-depth Analysis of Construction Fatalities and Injuries

SANGHYUN LEE (Civil & Environmental Engr)
$231,672 05/01/2012 - 04/30/2015

Combinatorics in geometry and representation theory

THOMAS FUN YAU LAM (LSA Mathematics)
$250,001 07/01/2012 - 06/30/2015
Equilibria, Stability, Oscillations, Chaos, and Transients in Re-entrant Lines

SEMYON M MEERKOV (COE EECS - ECE - Con)
$350,000 03/15/2012 - 02/28/2015

Planck Scale Holographic Noise Search Experiment

HEROLD R GUSTAFSON (LSA Physics)
$368,939 04/01/2012 - 03/31/2015

Conference on Long-Range Dependence Self-Similarity, and Heavy Tails

STILIAN ATANASOV STOEV (LSA Statistics)
$5,000 04/01/2012 - 03/31/2013

REU: Mismatch repair in Bacillus subtilis

LYLE A SIMMONS (LSA Molec./Cell./Develop. Bio)
$6,000 03/06/2012 - 07/31/2015

Student Support for the 10th USENIX Conference on File and Storage Technologies (FAST)

JASON NELSON FLINN (COE EECS - CSE - SSRL)
$10,000 04/01/2012 - 03/31/2013

REU: Evolving hyperdiversity in phenotypic, ecological, and geographic networks; testing the taxon cycle and alternatives in Indo-Pacific Pheidole

EVAN PHILIP ECONOMO (LSA Ecology & Evolutionary Bio)
$7,000 03/06/2012 - 01/31/2014

NSF Postdoctoral Fellowship for Jonah Blasiak

JOHN R STEMBRIDGE (LSA Mathematics)
$1,000 09/01/2011 - 08/31/2012

HCC: Medium: Collaborative Research: Improved Control and Sensory Feedback for Neuroprosthetics

BRENT GILLESPIE (Mechanical Engineering)
$16,000 03/16/2012 - 05/31/2015

Graduate Research Fellowship

JANET A WEISS (Grad Schl-Fellowship Prgm)
$3,429,667 03/14/2012 - 01/31/2013

NeoStem

Osteoporosis Bone Regeneration Using Human VSEL Cells

RUSSELL S TAICHMAN (DENT Periodontics and Oral Med)
with LAURIE KAY McCALLEY

Novartis

A randomized, double-blind, placebo-controlled, parallel-group study to determine whether, in patients with type 2 diabetes at high risk for cardiovascular and renal events, aliskiren, on top of conventional treatment, reduces cardiovascular and renal morbidity and mortality

KENNETH A JAMERSON (Int Med-Cardiology)
$27,800 03/20/2008 - 07/31/2013

Omega Optics, Inc

Roll to Roll Fabrication of Integrated Photonics

L JAY GUO (COE EECS - ECE - SSEL)
$30,000 03/01/2012 - 11/30/2012
<table>
<thead>
<tr>
<th>Organization</th>
<th>Project Title</th>
<th>Investigator</th>
<th>Department/Division</th>
<th>Amount</th>
<th>Start Date - End Date</th>
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<tbody>
<tr>
<td>Oracle Corporation</td>
<td>Automotive Analysis Affiliates Program</td>
<td>BRUCE M BELZOWSKI</td>
<td>UMTRI-Automotive Analysis Div.</td>
<td>$7,500</td>
<td>04/01/2012 - 03/31/2013</td>
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<tr>
<td>Osteology Foundation</td>
<td>The Impact of Parathyroid Hormone (PTH) on Craniofacial Oseous Regeneration in Bone</td>
<td>JILL DAWN BASHUTSKI</td>
<td>DENT Periodontics and Oral Med</td>
<td>$77,734</td>
<td>12/01/2010 - 11/30/2012</td>
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<td>Pall Corporation</td>
<td>Carbon Nanotube Growth within Porous Filter Media</td>
<td>ANASTASIOS JOHN HART</td>
<td>Mechanical Engineering</td>
<td>$86,195</td>
<td>09/01/2011 - 08/31/2012</td>
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<td>Parexel International Corporation</td>
<td>A Phase 3, Multicenter, Randomized, Placebo controlled, Double-blind Study to Evaluate the Safety and Efficacy of Ustekinumab Maintenance Therapy in Subjects with Moderately to Severely Active Crohn's Disease Protocol CNT01275CRD3003</td>
<td>PETER DOYLE HIGGINS</td>
<td>Int Med-Gastroenterology</td>
<td>$414,339</td>
<td>02/29/2012 - 10/30/2014</td>
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<td>Peacemakers United, LLC</td>
<td>Agreement with Peacemakers United, LLC</td>
<td>CRAIG LAWRENCE WILKINS</td>
<td>Coll of Arch &amp; Urban Planning</td>
<td>$4,283</td>
<td>03/06/2012 - 04/02/2012</td>
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<tr>
<td>Penumbra Inc.</td>
<td>The THERAPY Trial: The Randomized, Concurrent Controlled Trial to Assess the Penumbra System's Safety and Effectiveness in the Treatment of Acute Stroke</td>
<td>JOSEPH J GEMMETE</td>
<td>Department of Radiology</td>
<td>$56,359</td>
<td>03/02/2011 - 03/01/2013</td>
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<td>Princeton University</td>
<td>Transmission dynamics of pertussis in the developing world</td>
<td>PEJMAN ROHANI</td>
<td>LSA Ecology &amp; Evolutionary Bio</td>
<td>$40,000</td>
<td>09/01/2009 - 03/31/2013</td>
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<td>Proteus Fund</td>
<td>Death Penalty Campaign - A Project of the Proteus Action League</td>
<td>SAMUEL R GROSS</td>
<td>Law Research Faculty Activity</td>
<td>$7,500</td>
<td>02/23/2012 - 02/22/2013</td>
</tr>
</tbody>
</table>
Raytheon Company

Space Debris Elimination-Travel Supplement

AARON JAMES RIDLEY  (Atm, Oceanic & Space Sci.)

with ERDAL YIGIT

$800  10/17/2011 - 04/15/2012

Renal Research Institute, LLC

Collaborative for Clinical and Translational Research between the Renal Research Institute (RRI) and the UM-Kidney Epidemiology and Cost Center

RAJIV SARAN  (Int Med-Nephrology)

with BRENDA WILSON GILLESPIE

MICHAEL HEUNG

SCOTT HUMMEL

$217,000  01/01/2012 - 12/31/2012

Roper Center for Public Opinion Research

Experimental DDI Markup for Roper Center Data

MARY KATHERINE VARDIGAN  (ICPSR-Archival Development)

$4,810  02/01/2012 - 02/29/2012

San Jose State University


RICHARD L LEWIS  (LSA Psychology)

with SATINDER SINGH BAVEJA

$145,914  02/01/2012 - 02/28/2013

Sarcoma Alliance for Research Through Collaboration (SARC)

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)

$324,945  02/15/2012 - 02/14/2016

Schwartz, Kenneth B., Center

Schwartz Center Rounds

SUSAN URBA  (Int Med-Hematology/Oncology)

$4,117  07/01/2011 - 06/30/2012

Science Applications International Corporation (SAIC)

Trance Repository for CPTAC Proteomics Data

PHILIP C ANDREWS  (Biological Chemistry Dept)

$100,080  10/01/2011 - 09/25/2012

Sloan, Alfred P., Foundation

Sarah Veatch Sloan Research Fellowship Nomination

SARAH VEATCH  (LSA Biophysics)

$50,000  09/15/2012 - 09/15/2014
Southwest Oncology Group-Clinical Trials Initiative, L.L.C.

S0702, A Prospective Observational Multicenter Cohort Study to Assess the Incidence of Osteonecrosis of the Jaw (ONJ) in Cancer Patients with Metastases Starting Zoledronic Acid Treatment (PI salary)

ANNE F SCHOTT (Int Med-Hematology/Oncology)  
$22,438  01/01/2011 - 12/31/2012

Space Telescope Science Institute

A Chandra/HST Census of Accreting Black Holes and Nuclear Star Clusters in the Local Universe

ELENA GALLO (LSA Astronomy)  
$57,440  01/01/2012 - 12/31/2014

Spectral Sciences, Inc

SBIR Phase I: Advanced Hybrid Methods for Complex Plumes

IAIN D BOYD (Aerospace Engineering)  
$33,287  02/07/2012 - 07/16/2012

State Farm Insurance

Distracted Driving and Cell Phones

CAROL ANN FLANNAGAN (UMTRI-Data Center)  
with KATHLEEN DESANTIS KLINICH  
SHAN BAO  
$80,000  03/01/2012 - 12/31/2012

St. Joseph Mercy Hospital

kimward -Consulting Services to Saint Joseph Mercy Health System

EDWARD D ROTHMAN (Ctr Statistical Consul & Res)  
with KATHLEEN B WELCH  
$30,000  06/15/2011 - 06/30/2012

Teva Neuroscience

Academic Symposium on: Multiple Sclerosis: New Therapeutic Approaches and Mechanistic Insights

BENJAMIN M SEGAL (Neurology Department)  
$25,000  03/01/2012 - 11/30/2012

The Rita and Alex Hillman Foundation

Effectiveness and Implementation Science for Health Promotion and Chronic Illness Care in Vulnerable Populations

SUSAN JANE PRESSLER (SON-Grants)  
with KAREN HARLOW-ROSENTRAUB  
$3,000,000  07/01/2012 - 06/30/2017

Toyota Engineering & Manufacturing North America (TEMA)

Automotive Analysis Affiliates Program

BRUCE M BELZOWSKI (UMTRI-Automotive Analysis Div.)  
$20,000  01/01/2012 - 12/31/2012

University of Chicago

2010.080: Randomized Phase II Trial of Everolimus versus Placebo as Adjuvant Therapy in Patients with Locally Advanced Squamous Cell Cancer of the Head and Neck (SCCHN)

FRANCIS P WORDEN (Int Med-Hematology/Oncology)  
$40,000  03/01/2012 - 12/01/2015
University of Illinois-Urbana-Champaign

Evaluating the Efficacy of an Occupational Intervention Targeting Young Adult Brain Tumor Survivors

BRADLEY JAY ZEBRACK (School of Social Work)

$24,152  10/01/2011 - 09/30/2012

University of Rochester

Large-Scale Synthetic Genetic Analysis of Candida albicans

ANUJ KUMAR (LSA Molec./Cell./Develop. Bio)

$793,270  02/15/2012 - 01/31/2017

University of South Florida

SunCoast CCOP Research Base at the University of South Florida

DAWN JEANETTE DORE-STITES (Child Behavioral Health)

$20,000  06/01/2011 - 05/31/2012

University of Toledo

RECHARGE: Protein ID by LTQ-Oribtrap XL:
UM-2012-0968 to 0973

KOJO SEYS JOHN ELENITOBA-JOHNSON (Pathology Department)

with VENKATESHA BASRUR

$836  01/23/2012 - 05/30/2012

University of Washington

UW Center for Mendelian Genomics

GONCALO ABECASIS (Biostatistics Department)

$25,386  12/05/2011 - 11/30/2012

Various Sponsors

Recharge: Wheelchair Restraint Testing

LAWRENCE W SCHNEIDER (UMTRI-Biosciences)

$14,150  03/01/2007 - 02/28/2012

Recharge: Wheelchair Restraint Testing

LAWRENCE W SCHNEIDER (UMTRI-Biosciences)

$12,016  03/01/2007 - 12/31/2012

WIMS Center Associate Partner - DENSO International America, Inc. 3/1/2012 - 2/28/2013

YOGESH B GIANCHANDANI (COE EECS - ECE - WIMS - ERC)

$6,000  03/01/2012 - 02/28/2013

Veterans Affairs, Department of

IPA Soo Jung Lee

MICHAEL M WANG (Neurology Department)

$30,112  10/01/2011 - 09/30/2012

Lyden - IPA Agreement

SUSAN LYNN MURPHY (Physical Medicine & Rehab Dept)

$59,516  10/01/2011 - 09/30/2012

IPA Mary L Jannausch

MARK ANDREW ILGEN (Psych HlthSvc Outcome Research)

$7,800  09/01/2011 - 02/29/2012
IPA Extension Erin Miller
  KARA ZIVIN (Psychiatry Department)
  $60,023  10/01/2011 - 07/31/2012

IPA Extension Brandon C Brogan
  MARCIA ANN VALENSTEIN (Psych HlthSvc Outcome Research)
  $65,241  10/01/2011 - 09/30/2012

VA IPA: Brian Perron 3/1/2012-5/31/2012
  BRIAN E PERRON (School of Social Work)
  $2,225  03/01/2012 - 05/31/2012

IPA Roseanne Mauch
  ROGER L ALBIN (Neurology Department)
  $27,565  01/18/2012 - 09/30/2012

VA IPA - Martina Nabozny FY12
  NEIL BURTON ALEXANDER (IntMed-Geri & Palliative Med.)
  $47,734  12/05/2011 - 09/30/2012

IPA Extension - One Month - Robin Konkle
  FREDERIC C BLOW (Psych HlthSvc Outcome Research)
  $4,948  12/01/2011 - 12/31/2011

IPA Agreement_Shirley Rainier_FY12
  JOHN K FINK (Neurology Department)
  $6,087  02/01/2012 - 09/30/2012

IPA Extension Michelle Kees
  MARCIA ANN VALENSTEIN (Psych HlthSvc Outcome Research)
  with SHEILA M MARCUS
  $6,132  01/01/2012 - 12/31/2012

IPA-Kate Barr
  ANGELA TSAI FAGERLIN (Int Med-General Medicine)
  $26,210  12/01/2011 - 09/30/2012

IPA Modification Robin Konkle-Mays
  FREDERIC C BLOW (Psych HlthSvc Outcome Research)
  $4,948  01/01/2012 - 01/31/2012

VA IPA - Karen Burek FY12
  NEIL BURTON ALEXANDER (IntMed-Geri & Palliative Med.)
  $90,424  01/23/2012 - 09/30/2012

IPA Modification Robin Konkle-Mays
  FREDERIC C BLOW (Psychiatry Department)
  $9,896  02/01/2012 - 03/31/2012

IPA 2012 - Yoav Morag
  YOAV MORAG (Department of Radiology)
  $4,797  10/01/2011 - 09/30/2012
Westat
How to Create, Implement, Sustain, and Evaluate Travel Training for Older Adults: A Handbook
   DAVID W EBY (UMTRI-Behavioral Sciences)
   $60,000  11/04/2011 - 05/04/2013

ZARS Pharma, Inc.
Measurement of Pain Flares in Daily Life and Their Relationship to Pain Mechanism in Knee Osteoarthritis
   SUSAN LYNN MURPHY (Physical Medicine & Rehab Dept)
   $81,250  03/22/2012 - 03/21/2014

ZF Group
ZF Group Renewal 3/1/12
   JEANNE P MURABITO (CoE Eng Career Resource Center)
   $5,000  02/25/2012 - 02/26/2013