The awards detailed in this list were established July 1, 2011 through September 30, 2011. 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>Total Awards Processed (September)</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>322</td>
<td>279</td>
<td>-13.4%</td>
<td>$169,145,202</td>
<td>$178,621,136</td>
<td>5.6%</td>
<td></td>
</tr>
<tr>
<td>Research Awards</td>
<td>253</td>
<td>222</td>
<td>-12.3%</td>
<td>$147,499,523</td>
<td>$168,702,546</td>
<td>14.4%</td>
</tr>
<tr>
<td>Research Training</td>
<td>17</td>
<td>9</td>
<td>-47.1%</td>
<td>$5,247,204</td>
<td>$2,729,786</td>
<td>-48.0%</td>
</tr>
<tr>
<td>Other Sponsored Activity</td>
<td>52</td>
<td>48</td>
<td>-7.7%</td>
<td>$16,398,475</td>
<td>$7,188,804</td>
<td>-56.2%</td>
</tr>
<tr>
<td>Total Awards Processed Fiscal Year to Date</td>
<td>914</td>
<td>887</td>
<td>-3.0%</td>
<td>$407,582,585</td>
<td>$425,226,306</td>
<td>4.3%</td>
</tr>
<tr>
<td>Research Awards</td>
<td>685</td>
<td>640</td>
<td>-6.6%</td>
<td>$337,673,186</td>
<td>$391,705,839</td>
<td>16.0%</td>
</tr>
<tr>
<td>Research Training</td>
<td>74</td>
<td>67</td>
<td>-9.5%</td>
<td>$36,155,630</td>
<td>$14,785,375</td>
<td>-59.1%</td>
</tr>
<tr>
<td>Other Sponsored Activity</td>
<td>155</td>
<td>180</td>
<td>16.1%</td>
<td>$33,753,769</td>
<td>$18,735,092</td>
<td>-44.5%</td>
</tr>
</tbody>
</table>

While the number of total awards has decreased both in September’s activity and year-to-date activity, the dollar value of total awards has increased. During the past month a $13.3 million award was processed, funded by the National Science Foundation. Without this award, total dollar value would have decreased in September when compared with the same time period last year. Several other large awards were processed since the beginning of FY 2012, which has resulted in the year-to-date dollars to increase despite a decline in the number of awards.
### RESEARCH EXPENDITURES

<table>
<thead>
<tr>
<th></th>
<th>Federal Expendable Funds</th>
<th>Other Restricted Funds</th>
<th>Total Expenditures</th>
</tr>
</thead>
<tbody>
<tr>
<td>August 2011</td>
<td>$ 144,488,005</td>
<td>$ 76,509,159</td>
<td>$ 220,997,164</td>
</tr>
<tr>
<td>August 2010</td>
<td>$ 147,367,634</td>
<td>$ 63,336,949</td>
<td>$ 210,704,582</td>
</tr>
<tr>
<td>Percent Change</td>
<td>-2.0%</td>
<td>20.8%</td>
<td>4.9%</td>
</tr>
</tbody>
</table>

Source: Division of Research Development and Administration
Number of Awards Processed

Dollar Value of Awards Processed

Data Source: Division of Research Development and Administration
**AWARDS ESTABLISHED FOR RESEARCH AND OTHER SPONSORED ACTIVITIES**

**September 01, 2011 through September 30, 2011**

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.

<table>
<thead>
<tr>
<th>Sponsor / Project Description</th>
<th>Investigator(s)</th>
<th>Award Amount</th>
<th>Start Date</th>
<th>End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vistakon Microvalve</td>
<td>YOGESH B GIANCHANDANI (COE EECS - ECE - WIMS - ERC)</td>
<td>$46,024</td>
<td>07/01/2011</td>
<td>12/31/2011</td>
</tr>
<tr>
<td>The effect of VEGF on the growth, mineralization and expression of osteogenesis related molecules of adipose-derived stem cell (ADSC) grown on novel fluorapatite (FA) coated implant surface (Clark)</td>
<td>BRIAN H CLARKSON (DENTCariology, Restor Sci &amp; Endo)</td>
<td>$2,000</td>
<td>09/01/2011</td>
<td>08/31/2012</td>
</tr>
<tr>
<td>Editorial assistance for the Journal of Medicinal Chemistry</td>
<td>SHAOMENG WANG (Int Med-Hematology/Oncology)</td>
<td>$57,200</td>
<td>08/01/2011</td>
<td>07/31/2012</td>
</tr>
<tr>
<td>Global Perspectives on the History of Chinese Legal Medicine</td>
<td>MIRANDA D BROWN (LSA Asian Languages &amp; Cultures)</td>
<td>$15,000</td>
<td>08/15/2011</td>
<td>12/31/2011</td>
</tr>
<tr>
<td>Measuring Quality of Life in Neonatal Brachial Plexus Palsy: A Qualitative and Quantitative Study</td>
<td>KEVIN CHI CHUNG (Plastic Surgery Section)</td>
<td>$30,500</td>
<td>09/01/2011</td>
<td>08/31/2013</td>
</tr>
<tr>
<td>Somatosensory Influence on Physiological and Behavioral Correlates of Tinnitus - Towards an Effective Technique for Alleviating Tinnitus</td>
<td>SUSAN E SHORE (Kresge Hearing Research Inst)</td>
<td>$45,000</td>
<td>09/01/2011</td>
<td>09/01/2012</td>
</tr>
<tr>
<td>Meal Delivery to the Homebound</td>
<td>SHARON A REDMER (UMH AA Meals on Wheels - Gifts)</td>
<td>$23,914</td>
<td>07/01/2011</td>
<td>06/30/2012</td>
</tr>
</tbody>
</table>
ARTIS Research and Risk Modeling Corporation
Case-Based Influence in Conflict Management- Amendment #1
   ROBERT AXELROD (G. Ford Sc Pub Pol)
   $82,800  06/01/2010 - 05/31/2014

Battelle Memorial Institute
Reliable Leader-Follower & Tracking Technologies for Unmanned Ground Vehicles
   DAWN M TILBURY (Mechanical Engineering)
   with JOHANN BORENSTEIN
   $555,000  08/18/2011 - 02/14/2013

Breast Cancer Research Foundation, The
Regulation of Breast Cancer Invasion/Metastasis Programs
   STEPHEN J WEISS (Life Sciences Institute)
   with RUI LIU
   XIAO-YAN LI
   $225,000  10/01/2011 - 09/30/2012

Brigham and Women's Hospital
Computed Tomographic characterization of subjects enrolled in the STATCOPE Investigation
   MEILAN K HAN (Int Med-Pulm./Critical Care)
   $33,252  02/07/2011 - 01/31/2012

Brookings Institution
Demographic Research with The Brookings Institution
   WILLIAM H FREY (Pop Studies-Research)
   $26,214  09/01/2011 - 08/31/2012

Buhlmann Laboratories AG
Buhlmann Calprotectin ELISA method comparison to predictive device for FDA clearance
   PETER DOYLE HIGGINS (Int Med-Gastroenterology)
   $209,154  08/01/2011 - 07/31/2012

Charles Pankow Foundation
Effect of Shear Stud Layout on the Seismic Behavior of Slab-Column Connections
   GUSTAVO J PARRA-MONTESINOS (Civil & Environmental Engr)
   $162,000  07/01/2011 - 02/28/2013

Children's Hospital of Boston
Simons Subcontract with Harvard for Fiona Miller's VIP work
   FIONA K MILLER (Univ Ctr for Child & Family)
   $57,550  05/01/2011 - 07/31/2011

Chrysler LLC
Crash Avoidance Braking - Driver Reactions (Chrysler Challenge Fund)
   PAUL A GREEN (UMTRI-Driver Interface)
   $98,457  09/03/2011 - 06/30/2012
Columbia University

IES Center Proposal National Research and Development Center on Postsecondary Education and Employment

SUSAN MARIE DYARNSKI (G. Ford Sc Pub Pol)
with BRIAN AARON JACOB
PETER RILEY BAHR

$280,435  07/01/2011 - 06/30/2012
Enhancing Outreach on Climate Change, Variability, and Uncertainty in the Great Lakes Region

JENNIFER READ (SNRE Michigan Sea Grant)
$119,892  05/01/2011 - 06/30/2012

Communications Materials to Convey the Importance of NOAA's Contributions to the Great Lakes Restoration Initiative

ALLEN BURTON (SNRE CILER)
$7,492  07/01/2011 - 06/30/2012

The effects and impacts of hypoxia on production potential of ecologically and commercially important living resources in the northern Gulf of Mexico

ALLEN BURTON (SNRE CILER)
$107,467  07/01/2011 - 06/30/2012

Implementation of 2011 GLOS Nearshore Observing Network

ALLEN BURTON (SNRE CILER)
with GUY A MEADOWS
THOMAS H JOHENGEN
$700,000  07/01/2011 - 06/20/2012

Sea Grant/GLERL Great Lakes Sea Grant Network Agent

JAMES STEPHEN DIANA (SNRE Michigan Sea Grant)
$73,056  02/01/2011 - 01/31/2013

Modeling sea ice-ocean-ecosystem responses to climate changes in the Bering-Chukchi-Beaufort seas with data assimilation of RUSALCA measurements

ALLEN BURTON (SNRE CILER)
$158,426  07/01/2011 - 06/30/2012


ALLEN BURTON (SNRE CILER)
with DMITRY BELETSKY
THOMAS H JOHENGEN
$331,254  07/01/2011 - 06/30/2012

Changes in food-web dynamics of southern Lake Michigan

ALLEN BURTON (SNRE CILER)
$30,000  07/01/2011 - 06/30/2012

Status and Trends of Benthic Macroinvertebrates in the Great Lakes

ALLEN BURTON (SNRE CILER)
$42,492  07/01/2011 - 06/30/2012

Expansion and Enhancement of NOAA's Great Lakes Aquatic Nonindigenous Species Information System (GLANIS)

ALLEN BURTON (SNRE CILER)
$29,039  07/01/2011 - 06/30/2012

Mechanistic Approach to Identify the Role of Pathogens in Causing Diporeia spp. Decline in the Laurentian Great Lakes

ALLEN BURTON (SNRE CILER)
$98,400  07/01/2011 - 06/30/2012
Community Foundation of Greater Flint

Christopher Paul Curtis Writing Adventure

ROSE A CASEMENT  (Flint Education)
$4,500  09/01/2011 - 01/31/2012

Defense, Department of-Air Force, Department of the

Atom-Photon Entanglement for Long Distance Quantum Communication

AARON EDWARD LEANHARDT  (LSA Physics)
$382,224  09/01/2011 - 08/31/2014

A Technology Demonstrator for Composable Space Weather Satellite Missions

JAMES W CUTLER  (Aerospace Engineering)
$110,000  09/01/2011 - 08/31/2013

Vascular Injury Advanced Training

JONATHAN L ELIASON  (Vascular Surgery Section)
with LENA M NAPOLITANO
ROBERT BRENT STANFIELD
$353,136  09/12/2011 - 09/11/2013

Defense, Department of-Army, Department of the

Charge Storage Properties of Early Transition Metal Nitrides

LEVI THEODORE THOMPSON  (Chemical Engineering Dept)
with ALICE ELEANOR SYLVIA SLEIGHTHOLME
$52,385  09/15/2011 - 02/14/2012

High Framing Rate Digital Cameras for Characterizing Dynamic Response and Failure of 3D Textile Composites for Army Applications

ANTHONY M WAAS  (Aerospace Engineering)
$173,645  09/01/2011 - 08/31/2012

Home-Based Diagnosis and Management of Sleep-Related Breathing Disorders in Spinal Cord Injury

ROBERT G SITRIN  (Int Med-Pulm./Critical Care)
with ANTHONY E CHIODO
GIANNA M RODRIGUEZ
HELENA SCHOTLAND
KRISTY ANN BAUMAN
$1,248,585  09/30/2011 - 10/29/2015

Biomechanical Parameters for Military External Fixators

PAUL JOSEPH DOUGHERTY  (Orthopaedic Surgery)
$157,361  09/15/2011 - 10/14/2013

RI: Autonomous Mobility Applique Systems (AMAS)

STEVE UNDERWOOD  (Dbn College of Eng-CEEP)
$855,097  09/08/2011 - 09/07/2012

Predicting the Fate and Effects of Resuspended Metal Contaminated Sediments

ALLEN BURTON  (SNRE CILER)
Defense, Department of-Navy, Department of the

Package of Silica for Timing & Inertial Measurement (PASTIME)

KHALIL NAJAFI (COE EECS - ECE - SSEL)

with BECKY LORENZ PETERSON
MINA RAIEZADEH
NOEL C PERKINS

$1,270,585 09/13/2011 - 09/12/2012

High Energy Neutron Beams from Intense Laser Plasma Interactions

KARL MICHAEL KRUSHELNICK (Nuclear Eng & Radiological Sci)

with ANATOLY M MAKSIMCHUK
BIXUE HOU

$1,100,000 09/12/2011 - 09/12/2014

Duke University

ACOSOG Competing Renewal

LISA A NEWMAN (GSA - Surgical Oncology (SON))

$3,792 12/01/2010 - 11/30/2011

Eaton Corporation

Eaton Corporation Partner Agreement 9/14/11 thru 9/13/12

JEANNE P MURABITO (CoE Eng Career Resource Center)

$2,500 09/14/2011 - 09/13/2012

ElectroDynamic Applications, Inc.

High Power High Thrust Ion Thruster

JOHN EDISON FOSTER (Nuclear Eng & Radiological Sci)

$199,682 07/01/2011 - 06/30/2013

Energy, Department of

Response of Simple, Model systems to Extreme Conditions

RODNEY C EWING (LSA Earth & Environmental Sci.)

with MAIK KURT LANG

$197,000 05/01/2011 - 04/30/2012

Energy-Angle Correlations in Spontaneous- and Induced Fission Neutron Emissions

SARA A POZZI (Nuclear Eng & Radiological Sci)


ATOMIC SURFACE STRUCTURE OF COMPOUND SEMICONDUCTOR NANOWIRES

JOANNA MIRECKI-MILLUNCHICK (Materials Science & Engin.)

$35,136 01/01/2011 - 12/31/2011

Florida Medical Quality Assurance, Inc

CROWNWeb

JOHN D KALBFLEISCH (Biostatistics Department)

$222,456 09/01/2011 - 06/30/2012
<table>
<thead>
<tr>
<th>Project Title</th>
<th>Principal Investigator</th>
<th>Co-Investigators</th>
<th>Start Date</th>
<th>End Date</th>
<th>Funding Agency</th>
<th>Funding Amount</th>
<th>Duration</th>
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</thead>
<tbody>
<tr>
<td>Map-derived Navigation and Mapping</td>
<td>RYAN M EUSTICE</td>
<td>Naval Arch &amp; Marine Dept</td>
<td>09/01/2011</td>
<td>05/31/2012</td>
<td></td>
<td>$42,572</td>
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<tr>
<td>CAE Model Extrapolation for New Design Concepts</td>
<td>ZHIMIN XI</td>
<td>Dan Col of Eng-Indust &amp; Sys En</td>
<td>08/01/2011</td>
<td>07/31/2016</td>
<td></td>
<td>$30,000</td>
<td></td>
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<tr>
<td>Foundational Questions in Physics and Cosmology Institute c/o NPT</td>
<td>FRED C ADAMS</td>
<td>LSA Physics</td>
<td>09/01/2011</td>
<td>08/31/2012</td>
<td></td>
<td>$3,500</td>
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</tr>
<tr>
<td>Pharmacokinetics of Single-Dose Oral Ranolazine in Hemodialysis Patients.</td>
<td>BRUCE A MUELLER</td>
<td>PHARMACY Clin, Soc &amp; Admin Sci</td>
<td>07/01/2011</td>
<td>04/30/2012</td>
<td></td>
<td>$10,000</td>
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</tr>
<tr>
<td>Great Lakes Aquatic Habitat Framework</td>
<td>CATHERINE M RISENG</td>
<td>Sch of Nat Resources &amp; Environ</td>
<td>09/01/2011</td>
<td>05/01/2014</td>
<td></td>
<td>$527,229</td>
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</tr>
<tr>
<td>W.E.B. Du Bois Fellowship</td>
<td>PAOLO ASO</td>
<td>LSA Classical Studies</td>
<td>08/16/2011</td>
<td>05/31/2012</td>
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<td>$25,000</td>
<td></td>
</tr>
<tr>
<td>Predictors of Response to Perinatal Depression Treatment: Establishing Processes and Infrastructure for Multisite Effectiveness Research</td>
<td>HEATHER A FLYNN</td>
<td>Psychiatry Depression Center</td>
<td>09/30/2011</td>
<td>10/01/2011</td>
<td></td>
<td>$99,998</td>
<td></td>
</tr>
</tbody>
</table>
Joint Initiative in Vaccine Economics, Phase 4

LISA PROSSER (Pediatrics-Ambulatory Care Pgm)
with DAVID W HUTTON
WEN YE
$897,258 09/01/2011 - 08/31/2014

University of Michigan Future Public Health Leaders Program (FPHLP)

RICHARD L LICHTENSTEIN (Health Management and Policy)
with HOWARD HU
MARTIN A PHILBERT
MELISSA A VALERIO
PHYLLIS DENISE MEADOWS
SELA V PANAPASA
$4,013,490 09/15/2011 - 09/14/2016

End Stage Renal Disease (ESRD) Data Utilization

JOSEPH M MESSANA (Int Med-Nephrology)
with ALAN B LEICHTMAN
DOUGLAS E SCHAUBEL
JOHN C MAGEE
JOHN D KALBFLEISCH
YI LI
$6,859,171 09/30/2011 - 09/26/2016

University of Michigan MPED & PMDI Pediatric Medical Device Consortium

JAMES DUNCAN GEIGER (Pediatric Surgery Section)
with ALBERT J SHIH
BLAKE J ROESSLER
DANIEL H TEITELBAUM
DARYL R KIPKE
DAVID BLAAUW
GAIL MARY ANNICH
JEANNE M NERVINA
JEFFREY L MYERS
JULIAN WAN
LEONARD M MIDDLETON
ROBERT HAWES BARTLETT
SUNIL D KAPILA
THOMAS C KINNEAR
ULYSSES J BALIS
YOGESH B GIANCHANDANI
$2,200,000 09/15/2011 - 08/31/2013

A Statewide Pediatric Safety Collaboration to Standardize Compounded Oral Liquids

JAMES G STEVENSON (PHARMACY Clin, Soc & Admin Sci)
with SCOTT LOUIS CIARKOWSKI
$150,000 09/15/2011 - 09/14/2014

Flint HCOP

SUZANNE M SELIG (Flint Dept Pub Hlth & Hlth Sci)
with DONNA KAY FRY
$1,756,186 09/01/2011 - 08/31/2014
Health and Human Services, Department of-National Institutes of Health

Physiology of Inflammatory Arthritis in High Resolution
XUEDING WANG (Department of Radiology)
with JAMIE MYLES
JEFFREY BRIAN FOWLKES
MARIANA J KAPLAN
YEBIN JIANG
$2,627,703 09/06/2011 - 06/30/2016

Matrix Metalloproteinase-Dependent Angiogenesis
STEPHEN J WEISS (Life Sciences Institute-Admin)
$1,566,570 09/01/2011 - 07/31/2016

Genomic Stability Functions of SMC Proteins in Germ Cells
RAYMOND C CHAN (Human Genetics Department)
$1,477,250 09/05/2011 - 06/30/2016

An Outcome Study of Rheumatoid Hand Arthroplasty
KEVIN CHI CHUNG (Plastic Surgery Section)
with HYUNGJIN MYRA KIM
$1,689,295 09/05/2011 - 08/31/2016

Crystallization of outer membrane proteins for export of polysaccharide capsule
MARK A SAPER (Biological Chemistry Dept)
$412,640 09/30/2011 - 08/31/2013

Preclinical development of an NT3-expressing HSV vector
DAVID J FINK (Neurology Department)
with MARINA MATA
$3,168,442 09/01/2011 - 08/31/2014

Improving Transition Outcomes through Accessible Health IT and Caregiver Support
JOHN D PIETTE (Int Med-General Medicine)
with BREN'T C WILLIAMS
CAROLINE S BLAUM
CHRISTOPHER S KIM
EVE ASKANAS KERR
STEVEN J BERNSTEIN
$2,884,761 09/01/2011 - 08/31/2016

Histotripsy for Urinary Stone Communion
TIMOTHY LEWIS HALL (Biomedical Engineering)
with CHARLES A CAIN
DOUGLAS L MILLER
WILLIAM W ROBERTS
ZHEN XU
$2,095,271 09/15/2011 - 08/31/2016

Biosynthetic Analysis of Marine Cyanobacterial Pathways
DAVID H SHERMAN (Life Sciences Institute-Admin)
JANET L SMITH (Life Sciences Institute-Admin)
$1,854,805 09/14/2011 - 05/31/2016
Mastectomy Reconstruction Outcome Consortium (MROC Study)

EDWIN G WILKINS  (Plastic Surgery Section)

with DEAN G SMITH
HYUNGJIN MYRA KIM
NANCY K JANZ
RANDY SCOTT ROTH

$5,162,967  08/01/2011 - 05/31/2016

Improvement of microcalcification detection in digital breast tomosynthesis

HEANG-PING CHAN  (Department of Radiology)

with ALEXANDER TSODIKOV
CHINTANA PARAMAGUL
CHUAN ZHOU
JEFFREY A FESSLER
JUN WEI
LUBOMIR M HADJIYSKI
MARILYN A ROUBIDOUX
MARK A HELVIE
MITCHELL M GOODSITT

$3,206,233  09/02/2011 - 07/31/2016

Regulation of Retroocular Connective Tissue

TERRY SMITH  (Ophthalmology & Visual Science)

$1,925,292  09/01/2011 - 08/31/2016

Machine Learning Tools for Prognostication in Melanoma

MOUSUMI BANERJEE  (Biostatistics Department)

with MICHAEL S SABEL
SANDRA LYNN WONG

$353,775  09/20/2011 - 08/31/2013

Slit-Robo Signaling in Tumor Growth and Metastasis

JIAN-GUO GENG  (DENT Bio & Materials Science)

$937,774  09/06/2011 - 11/30/2013

Role of the Dopaminergic Reward System in Substance Abuse Risk
(Weiland K Award)

JON K ZUBIETA  (Psych Substance Abuse)


New Alkene Difunctionalization Reactions for Organic Synthesis

JOHN P WOLFE  (LSA Chemistry)

$1,117,081  09/01/2011 - 04/30/2015
A Randomized Control Trial of Tobacco Tactics for Operating Engineers

SONIA A DUFFY (SON-Grants)

with CAROLINE R RICHARDSON
DAVID L RONIS
DEVON NOONAN
JOHN D MEEKER

$369,106 09/13/2011 - 08/31/2013

Initiation of Epigenetic Transcriptional Regulation

SUNDEEP KALANTRY (Human Genetics Department)

$2,332,500 09/30/2011 - 08/31/2016

Cancer Epidemiology Education in Special Populations

AMR S SOLIMAN (Epidemiology Department)

with ALLISON ELIZABETH AIELLO
DANA DOLINOY
MARK L WILSON
PATRICIA BRIDGET MULLAN
ROBERT CHAMBERLAIN
STEPHEN B GRUBER

$1,595,415 09/01/2011 - 08/31/2016

Single Cell with One Particle Entry (SCOPE) for Study of HIV Infection

WEI CHENG (PHARMACY Pharmaceutical Sci)

$2,332,500 09/30/2011 - 08/31/2016

Development of novel anti-leukemia agents targeting the menin-MLL interaction

JOLANTA E GREMBECKA (Pathology Department)

with DUXIN SUN
JAY L HESS
TOMASZ CIERPICKI

$1,679,150 09/01/2011 - 07/31/2016
Targeting SMURF2 as a novel therapy for EGFR driven tumors  
DIPANKAR RAY (Radiation Oncology - Can Bio)  
with DAVID G BEER  
GUOAN CHEN  
MATT HEW JASON SCHIPPER  
MUKESH KUMAR NYATI  
$1,470,018 09/01/2011 - 07/31/2016

Extracellular ATP in biofilm formation and wound infection  
CHUANWU XI (Environmental Health Sciences)  
with STEWART C WANG  
$1,441,889 09/10/2011 - 08/31/2016

Predicting Caries Risk in Underserved Toddlers in Primary Healthcare Settings  
MARGHERITA R FONTANA (DENTCariology,Restor Sci &Endo)  
with JAMES M LEPKOWSKI  

Central Nervous System Mechanisms in Knee Osteoarthritis (KOA)  
CHAD MICHAEL BRUMMETT (Anesthesiology Department)  
DANIEL J CLAUW (Anesthesiology Department)  
with ALEXANDER TSODIKOV  
ANDREW GRAY URQUHART  
BRIAN R HALLSTROM  
DAVID A WILLIAMS  
KRISTINE PHILLIPS  
STEVEN EDWARD HARTE  
$3,378,361 08/01/2011 - 05/31/2016

Using the Dynamics of Happiness to Measure the Subjective Importance of Events  
MILES S KIMBALL (SRC-Hrs)  
with DANIEL SUSMAN SILVERMAN  
NORBERT SCHWARZ  
ROBERT J WILLIS  
$1,375,000 09/15/2011 - 06/30/2016

E. coli virulence gene expression during clinical UTIs in women  
HARRY L T MOBLEY (Microbiology and Immunology)  
with GARY J FAERBER  
$933,000 09/15/2011 - 07/31/2015

Health and Retirement Study SUPPLEMENT Fed FY2011 DMC Support  
DAVID R WEIR (SRC-Hrs)  
$20,000 09/15/2011 - 12/31/2011

Survey Measures of Subjective Well-being: Age, Appraisal, and Cognition Effects  
JACQUI SMITH (SRC-Hrs)  
with LINDSAY H RYAN  
NORBERT SCHWARZ  
RICHARD D GONZALEZ  
ROBERT STEVEN STAWSKI  
ROGER TOURANGEAU  
VICKI A FREEDMAN  
$2,259,820 09/01/2011 - 06/30/2016
Epigenetic Regulation of Kidney Development
GREGORY R DRESSLER (Pathology Department)
$1,741,602 09/06/2011 - 04/30/2016

Pulse-shaping for Multiphoton FRET Microscopy in Vivo
JENNIFER OGILVIE (LSA Physics)
with JOEL A SWANSON
$366,575 09/01/2011 - 08/31/2013

2011 Midwest Microbial Pathogenesis Conference
ERIC SEAN KRUKONIS (DENT Bio & Materials Science)
$11,000 09/01/2011 - 08/31/2012

Optimizing locomotor training for children with severe cerebral palsy
BEVERLY D ULRICH (School of Kinesiology)
$152,766 09/01/2011 - 08/31/2014

Chemical probes targeting the SUMO protease SENP1 in Prostate Cancer
JORGE A INIGUEZ-LLUHI (Pharmacology Department)
$77,750 09/19/2011 - 08/31/2013

Metabolic Reprogramming in Diabetic Complications
CHARLES BURANT (Int Med-Nephrology)
EVA L FELDMAN (Int Med-Nephrology)
FRANK C BROSIUS III (Int Med-Nephrology)
SUBRAMANIAM PENNATHUR (Int Med-Nephrology)
THOMAS GARDNER (Int Med-Nephrology)
with DAVID ANTONETTI
DAVID LOMBARD
HOSAGRAHAR V JAGADISH
KERBY A SHEDDEN
MATTHIAS KRETZLER
NATHAN R QI
RODICA POP-BUSUI
STEVEN ABCOUWER
$5,514,789 09/30/2011 - 08/31/2016

Role of Sodium Channel SCN1B in Inherited Epilepsy
LORI L ISOM (Pharmacology Department)
with JACK M PARENT
LUIS FELIX LOPEZ-SANTIAGO
$1,682,274 09/01/2011 - 06/30/2015

Astrocyte dysfunction in EAE
DAVID N IRANI (Neurology Department)
$427,625 09/15/2011 - 08/31/2013

Keratin sumoylation and its function during hepatocyte stress and liver disease
NATASHA TASHEVA SNIDER (Molec & Integrative Physiology)
$554,698 09/20/2011 - 08/31/2016
University of Michigan Comprehensive Cancer Center Support Grant

MAX S WICHA (Univ of Mich Cancer Center)

with

ALEXANDER TSODIKOV
ALFRED E CHANG
ALNAWAZ REHMTULLA
ANDRZEJ A Dlugosz
BHARAMAR MUKHERJEE
BLAKE J ROESSLER
BRIAN DALE ROSS
CAROL ROSSIER BRADFORD
COLIN S DUCKETT
DAFYDD G THOMAS
DANIEL F HAYES
DAVID ALAN HANAUER
DAVID G BEER
DEAN E BRENNER
DIANE M SIMEONE
EDGAR BEN-JOSEF
ERIC R FEARON
EVAN T KELLER
GREGORY KALEMKERIAN
ISAAC R FRANCIS
JAMES L FERRARA
JAMES R BAKER JR
JEREMY MICHAEL GEORGE TAYLOR
KENNETH RESNICOW
KERBY A SHEDDEN
LAUREL L NORTHOUSE
LAURENCE A BOXER
LAWRENCE C AN
LINDA C SAMUELSON
LISA A NEWMAN
MAHA HUSSAIN
MATS E D LJUNGMAN
MATTHEW JASON SCHIPPER
MICHAEL J WELSH
MICHAEL R KILBOURN
MORAND RUEDIGER PIERT
MOSHE TALPAZ
MOUSUMI BANERJEE
RODERICK J LITTLE
SALLY ANN CAMPER
SCOTT M SCHUETZE
SHAOMENG WANG
SOFIA D MERAJVER
STEPHEN B GRUBER
STEVEN J KATZ
THEODORE S LAWRENCE
THOMAS A MOORE
THOMAS E CAREY
THOMAS J GIORDANO
THOMAS L CHENEVERT
THOMAS L SAUNDERS
THOMAS M BRAUN
THOMAS M LANIGAN
TIMOTHY D JOHNSON
WEIPING ZOU

$5,694,947 09/19/2011 - 05/31/2012
Podocyte Hypertrophy, Stress and Urine

ROGER C WIGGINS  (Int Med-Nephrology)
with KEN INOKI
$1,691,065  09/20/2011 - 08/31/2016

Michigan Institute for Clinical and Health Research (MICHR)

THOMAS PATRICK SHANLEY  (Mich Inst for Clin & Hlth Resr)
with DORENE S MARKEl
MASSIMO T PIETROPAOLO
$497,901  06/01/2011 - 05/31/2012

New Avenues to Increase the Use of Skilled Birth Attendants in Ghana.

JODY RAE LORI  (SON-Grants)
$703,980  09/17/2011 - 07/30/2016

Genetic Basis of Familial Colorectal Cancer Type X

LEON RASKIN  (Int Med-Molecular Med&Genetics)
$242,991  09/20/2011 - 08/31/2013

Microsatellite Instability and the DNA Mismatch Repair System

JOHN M CARETHERS  (Int Med-Gastroenterology)
with STEPHANIE S TSENG-ROGENSKI
$1,691,065  09/16/2011 - 08/31/2016

Cancer Biology Training Program - T32 CURE Supplement

MICHAEL J IMPERIALE  (Univ of Mich Cancer Center)
$51,134  09/01/2011 - 08/31/2012

Trajectories of Physical & Cognitive Functioning in the Neighborhood Environment

KT TOMEY  (Epidemiology Department)
$587,533  09/30/2011 - 08/31/2016

Targeting Inflammation using Salsalate in Type 1 Diabetic Neuropathy (TINSAL-T1DN)

EVA L FELDMAN  (Metabolism, Endo & Diabetes)
RODICA POP-BUSUI (Metabolism, Endo & Diabetes)
with MORTON B BROWN
$77,750  09/15/2011 - 08/31/2012

Spatiotemporal activation and actions of Munc13 in neurotransmitter release

EDWARD L STUENKEL  (Molec & Integrative Physiology)
$130,985  09/05/2011 - 09/04/2015

Sensory Sensitivity and Urinary Symptoms in the Female Population

BARBARA D REED  (Urology Surgery)
DANIEL J CLAUW  (Urology Surgery)
JAMES QUENTIN CLEMENS  (Urology Surgery)
with ANANDA SEN
$349,875  09/15/2011 - 08/31/2012

SWOG Biorepository Supplement

LAURENCE H BAKER  (Int Med-Hem/Oncology and SWOG)
with ANNE F SCHOTT
BRUCE G REDMAN
HARRY P ERBA
$989,137  04/01/2011 - 03/31/2012
Checkpoints of Host Response to Cellular Injuries
   YANG LIU (GSA - Administration (GSA/ADM))
   $95,253 09/01/2011 - 08/31/2012

Regulation of Cytokinesis and Tumor Formation by RhoA
   ANN L MILLER (LSA Molec./Cell./Develop. Bio)
   $746,745 09/09/2011 - 08/31/2014

Morphogenesis of the fetal intestinal epithelium
   DEBORAH L GUMUCIO (Cell and Developmental Biology)
   with BENJAMIN L MARGOLIS
       SANTIAGO DAVID SCHNELL

Early and Mid-Life Social Determinants of Racial Disparities in Late Life Health
   CARLOS F MENDES DE LEON (Epidemiology Department)
   $355,038 09/30/2011 - 08/31/2012

Translational Research in GI Cancer
   DEAN E BRENNER (Univ of Mich Cancer Center)
   $115,492 09/01/2011 - 08/31/2015

Methodology for Identification of Substrate-Competitive Kinase Inhibitors
   MATTHEW BRYAN SOELLNER (PHARMACY Medicinal Chemistry)
   with HEATHER A CARLSON
       KELLY LYNN GANAMET
   $175,647 06/01/2011 - 05/31/2013

Michigan Institute for Clinical and Health Research (MICHR)
   THOMAS PATRICK SHANLEY (MICHR - CTSA)
   with KYLE LYNN GRAZIER
       NICHOLAS H STENECK
   $418,257 06/01/2011 - 05/31/2012

Michigan Institute for Clinical and Health Research (MICHR)
   THOMAS PATRICK SHANLEY (MICHR - CTSA)
   with DONALD RAY VEREEN
       KYLE LYNN GRAZIER
       MARITA G TITLER
       NICHOLAS H STENECK
   $410,696 06/01/2011 - 05/31/2012

Quantitative chemical proteomics of dynamic palmitoylation in cells
   BRENT RANDALL MARTIN (LSA Chemistry)
   $846,376 09/20/2011 - 08/31/2014

Lay Public’s Genetic Explanations for Type 2 Diabetes: Prevention Implications Supplement
   TOBY E JAYARATNE (Hlth Behavior & Hlth Ed Dept)
   $35,805 09/01/2011 - 08/28/2013

Does EPA or DHA prevent depressive symptoms in pregnancy and postpartum?
   ELLEN L MOZURKEWICH (Obstetrics and Gynecology Dept)
   with ANJEL M VAHRATIAN
       ZORA DJURIC
   $35,016 09/10/2011 - 05/31/2012
Crosstalk between glioma cells & immune cells in the tumor microenvironment: Therapeutic Implications

MARIA CASTRO  (Neurosurgery)
with PEDRO LOWENSTEIN
$1,921,884  07/01/2011 - 02/29/2016

Brain immune response: Cellular & Molecular Mechanisms

PEDRO LOWENSTEIN  (Neurosurgery)
with MARIA CASTRO
$748,622  07/01/2011 - 07/31/2013

Engineering the Brain Immune System for Tumor Therapy

MARIA CASTRO  (Neurosurgery)
with PEDRO LOWENSTEIN
$968,050  07/01/2011 - 12/31/2013

Clinical Outcomes of Live Organ Donors - Data Coordinating Center

ROBERT MARK MERION  (Transplant Surgery (STX))
with ALAN B LEICHTMAN
BRENDA WILSON GILLESPIE
$207,069  07/01/2011 - 06/30/2012

Gutless Adenovirus Mediated Gene Therapy for Glioma

MARIA CASTRO  (Neurosurgery)
with PEDRO LOWENSTEIN
$633,279  09/01/2011 - 08/31/2012

Esophageal Mast Cell Nerve Interactions

SHAOYONG YU  (Int Med-Gastroenterology)
$1,022,196  07/21/2011 - 06/30/2015

Health Values and Minimally Important Differences in Systemic Sclerosis

DINESH KHANNA  (Int Med-Rheumatology)
$123,390  08/03/2011 - 07/31/2012

Rapid and efficient production of functional Cytochrome P450 enzymatic complex for structural studies by NMR (SUPPLEMENT)

AYYALUSAMY RAMAMOORTHY  (LSA Biophysics)
$142,954  08/01/2011 - 07/31/2014

Center for Integrative Approaches to Health Disparities(CIAHD)?Environmental Rev

ANA V DIEZ ROUX  (Epidemiology Department)
$556,144  09/22/2011 - 08/31/2012

Administrative Supplement R01 TIP Project

LONA MODY  (Int Med-Geriatric Medicine)
$40,005  09/15/2011 - 07/31/2014

Adult-to-Adult Living Donor Liver Transplantation Study Data Coordinating Center

ROBERT MARK MERION  (Transplant Surgery (STX))
$94,665  09/01/2011 - 08/31/2014

GIS Analysis of the NIEHS EPR

MARI LYNN MIRANDA  (Sch of Nat Resources & Environ)
$250,578  09/30/2011 - 09/29/2013
Michigan Center on the Demography of Aging - Aging with Disabilities Supplement

   JOHN BOUND (Pop Studies-Research)
   $115,875  09/30/2011 - 06/30/2014

The University of Michigan George M. O’Brien Renal Core Center - Summer Supplement

   FRANK C BROSIOUS III (Int Med-Nephrology)

HRS 2011 NIA-SSA JFCA Budget Request

   DAVID R WEIR (SRC-Hrs)
   $4,235,000  09/30/2011 - 12/31/2011

Neurologic Emergencies Treatment Trials Network: Clinical Coordinating Center-RAMPART supplemental request

   WILLIAM G BARSAN (Emergency Medicine Admin)
   with ROBERT SILBERGLEIT
   $2,948,122  09/01/2011 - 08/31/2016

SWAN RepositoryIII - Administrative Supplement II

   DANIEL S MCCONNELL (Epidemiology Department)
   $200,000  09/01/2011 - 08/31/2015

OBSSR Supplement: Understanding Social Disparities in Health and Aging

   JAMES S HOUSE (SRC-Seh-House)
   with PHILIPPA J CLARKE
   SARAH ANDREA BURGARD
   $112,000  06/15/2011 - 05/31/2016

Henry Ford Health System

Risk Stratification for Adverse Surgical Outcomes

   ZEESHAN HASSAN SYED (COE EECS - CSE - AI)
   $6,930  05/01/2011 - 10/31/2011

Highfield Foundation

Building University of Michigan Capacity for Community-Based Participatory Research: National Conference

   LAURA LEIN (School of Social Work)
   $5,000  10/01/2011 - 09/30/2012

Homeland Security, Department of

New Detectors, Electronics, and Algorithms for Fast Neutron Spectroscopy in a Scalable Measurement Platform

   SARA A POZZI (Nuclear Eng & Radiological Sci)
   with DAVID D WENTZLOFF
   $399,029  09/01/2011 - 08/31/2012


   ZHONG HE (Nuclear Eng & Radiological Sci)
   with CLAYTON D SCOTT
   JEFFREY A FESSLER
   $420,543  09/01/2011 - 08/31/2012
Mathematical modeling of disease progression in patients at risk for sepsis: A prospective cohort study

ROBERT C HYZY (Int Med-Pulm./Critical Care)
$304,059  09/01/2011 - 06/30/2013

Indiana University

The Data Capsules for Non-Consumptive Research

ATUL PRAKASH (COE EECS - CSE - SSRL)
$237,087  07/01/2011 - 05/31/2014

Inter-American Development Bank

Supplement #1: Channeling Remittances Toward Human Capital Accumulation

DEAN C YANG (G. Ford Sc Pub Pol)
$104,668  03/01/2011 - 06/30/2013

Interior, Department of the

Manajiwin: Respecting Tribes, First Nations and Cultural Resources in Cooperative Landscape and Climate Change Decision Making

NICHOLAS J REO (Sch of Nat Resources & Environ)
$128,496  07/01/2011 - 06/30/2012

Connecting Huron-to-Erie Corridor Education and Research

JENNIFER READ (SNRE Michigan Sea Grant)
$50,000  10/01/2011 - 09/30/2012

Janssen Services, L.L.C.

A Multicenter, Observational, Non-interventional, Narrative Study to Evaluate Patient-Reported Experiences of Living with Moderate-to-Severe Plaque Psoriasis

YOLANDA ROSI HELFRICH (Dermatology Department)
$35,970  09/19/2011 - 12/31/2012

Johnson & Johnson Pharmaceutical Research & Development L.L.C. (J&JPRD)

Viral-induced exacerbation of asthma

MARC B HERSHENSON (Pathology Department)
NICHOLAS W LUKACS (Pathology Department)
$248,510  08/15/2011 - 08/14/2012

Johnson, Robert Wood, Foundation

Enumeration and Characterization of the Public Health Nursing Workforce

MATTHEW L BOULTON (Epidemiology Department)
$140,000  11/01/2011 - 10/31/2012

JUAMA

Development of the PET radiopharmaceutical [18F]fluoroestradiol (FES)

MICHAEL R KILBOURN (Department of Radiology)
$10,500  09/15/2011 - 09/14/2012
Intergovernmental Personnel Agreement for NCVS
JAMES M LEPKOWSKI (SRC-Survey Methodology Prog)
$100,000 07/01/2011 - 06/30/2012

National Archive of Criminal Justice Data: University of Michigan Archiving Services
TIMOTHY S BYNUM (ICPSR-Archival Development)
$400,000 09/19/2011 - 07/31/2012

Lilly, Eli, and Company
MSA: Methods Development for Identifying Subpopulation of Enhanced Treatment Effects
JEREMY MICHAEL GEORGE TAYLOR (Biostatistics Department)
$55,000 09/26/2011 - 12/31/2012

Lincoln Institute of Land Policy
2011 IIPF -- Lincoln Institute of Land Policy
JOEL B SLEMROD (ROSS SCH Ofc Tax Policy Rsrch)
$15,000 08/25/2011 - 12/31/2011

Lixte Biotechnology Holdings, Inc (Lixte)
Radiosensitization of pancreatic tumor xenografts by LB100
MEREDITH A MORGAN (Radiation Oncology - Can Bio)
$5,000 10/01/2011 - 09/30/2012

Lycera Inc
ULAM Services at NCRC for Lycera
ROBERT C DYSKO (Lab Animal Medicine Unit)
$115,175 08/01/2011 - 07/31/2012

Medimmune, Inc.
A Prospective Observational Study to Assess the Role of Selected Biomarkers in Subjects Requiring Daily Medium- to High-dose Inhaled Corticosteroids for Persistent Asthma
ALAN PETER-PERCY BAPTIST (Int Med-Allergy)
$50,451 09/06/2011 - 08/31/2012

Michigan Critical Care Consultants, Inc.
A Novel Catheter Enterogenesis Device to Treat Short Bowel Syndrome
DANIEL H TEITELBAUM (Pediatric Surgery Section)
$100,000 07/10/2011 - 01/31/2012

Michigan Public Health Institute
Natural History of Disorders Identifiable by Newborn Screening
AYESHA AHMAD (Pediatrics-Genetics)
$29,005 04/15/2011 - 02/29/2012

Michigan, State of, Community Health, Department of
State of Michigan Bureau of Health Professions Nursing Scholarship
MARGARET M ANDREWS (Flint Nursing)
$9,000 10/01/2010 - 09/30/2011
Michigan, State of, Energy, Labor and Economic Growth, Department of

Project IDEAL State Membership Michigan Yr.10

   JEROME JOHNSTON (RCGD-Rsrch Cntr for Grp Dyn)

   $22,050  07/01/2011 - 06/30/2012

Gaining Early Awareness and Readiness for Undergraduate Programs (GEAR UP) Supplemental funds for VISTA worker in schools 2010-2011

   JOHN H MATLOCK (OAMI Gear Up)

   $4,308  07/21/2010 - 07/20/2011

Michigan, State of, Transportation, Department of

BRIDGES AND STRUCTURES RESEARCH CENTER OF EXCELLENCE - YEAR 7

   SHERIF EL-TAWIL (Civil & Environmental Engr)

   $32,999  10/01/2011 - 09/30/2012

UM Center of Excellence for Concrete Pavement Performance (CPP)

   WILL HANSEN (Civil & Environmental Engr)

   $35,988  10/01/2011 - 09/30/2012

Mississippi State University

Drop-Tower Testing to Characterize Lower-Extremity Impact Response to High-Rate Vertical Loading

   JONATHAN DAVID RUPP (UMTRI-Biosciences)

   $67,554  08/01/2011 - 12/31/2011

Monash University

Self-Regulatory Practices by Older Adults

   DAVID W EBY (UMTRI-Behavioral Sciences)

   $16,067  08/01/2011 - 04/30/2012

Mott, Charles Stewart, Foundation

Committed to Excellence and Opportunity (CEO) 11-12

   TENDAJI W GANGES (Flint Educational Opportunity)

   $415,700  07/01/2011 - 06/30/2012
National Aeronautics and Space Administration

Composition and Feedback in Geospace

MICHAEL WARREN LIEMOHN  (Atm, Oceanic & Space Sci.)
with AARON JAMES RIDLEY  DARREN LEE DE ZEEUW  GABOR TOTH  JANET U KOZYRA  MARK MOLDWIN  NATALIA GANJUSHKINA

$1,173,100  08/02/2011 - 08/01/2014

UM-Detroit Public School Space Science Education Partnership

MARK MOLDWIN  (Atm, Oceanic & Space Sci.)

$45,000  08/05/2011 - 08/04/2012

Spaceflight Effects on Neurocognitive Performance: Extent, Longevity, and Neural Bases

RACHAEL D SEIDLER  (School of Kinesiology)
with PATRICIA A REUTER-LORENZ

$80,500  08/26/2011 - 08/25/2012

Development of Ocean Surface Wind Vector Retrieval Algorithms in Tropical Cyclones

CHRISTOPHER S RUF  (Space Physics Research Lab)
with AMANDA MICHELLE MIMS

$30,000  09/01/2011 - 08/31/2012

Risk Analysis for Small Unmanned Aircraft Systems in the National Airspace System

ELLA MARIE ATKINS  (Aerospace Engineering)

$730,541  09/01/2011 - 08/31/2014

Mars Organic Molecule Analyzer MOMA Electrical/Electronic Subsystem Development

CHARLES J M EDMONSON JR  (Space Physics Research Lab)

$64,853  07/21/2011 - 12/31/2011

National Bureau of Economic Research

Expanding the National Health Accounts

SANDEEP VIJAN  (Int Med-General Medicine)
with KARA ZIVIN  KENNETH M LANGA  MARCIA ANN VALENSTEIN  MICHAEL P WELLMAN

$194,240  08/01/2010 - 01/31/2012

National Collegiate Inventors and Innovators Alliance (NCIIA)

CentriCycle

CHARLES W MONROE  (Chemical Engineering Dept)

$15,400  09/01/2011 - 08/31/2013

National Science Foundation

Investigation of Ionospheric Contribution to Geomagnetic Storms

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

$88,742  09/01/2011 - 08/31/2014
CubeSat investigating Atmospheric Density Response to Extreme driving (CADRE)
AARON JAMES RIDLEY (Atm, Oceanic & Space Sci.)
with JAMES W CUTLER
$800,000  09/15/2011 - 08/31/2014

CAREER: Nonequilibrium organization in epithelial sheets
DAVID K LUBENSKY (LSA Physics)
$535,000  09/15/2011 - 08/31/2016

NSF CAREER Proposal: Bright femtosecond x and gamma-ray pulse production using ultra-intense lasers
ALEXANDER GEORGE ROY THOMAS (Nuclear Eng & Radiological Sci)
$450,000  09/15/2011 - 08/31/2016

Management of Complex Data Structures: Upgrades to EUGene data software
ALLAN C STAM (CPS-Research)
$494,669  09/15/2011 - 08/31/2014

Information Aggregation in Decentralized Markets
STEPHAN LAUERMANN (LSA Economics)
$267,129  09/01/2011 - 08/31/2014

University of Michigan REU Site in the Chemical Sciences
BRIAN P COPPOLA (LSA Chemistry)
$384,000  09/15/2011 - 08/31/2014

Optically Driven Quantum Dot Spins for Quantum Computing: Coherence Between Spins in Entangled States
DUNCAN G STEEL (COE EECS - ECE - OPT)
$675,000  09/15/2011 - 08/31/2014

REU Site: Quantitative Social Science Research at the University of Michigan
JOHN A GARCIA (ICPSR-Admin)
with LYNETTE F HOELTER
$290,701  10/01/2011 - 09/30/2014

Gas Phase Combustion Synthesis of Nanopowders, Modeling and Processing Duplex Microstructures
RICHARD M LAINE (Materials Science & Engin.)
with ANGELA VIOLI
$780,000  09/15/2011 - 08/31/2014

K-Theory and Related Topics
IGOR KRIZ (LSA Mathematics)
$166,205  10/01/2011 - 09/30/2014

New Methods for Construction of Enantiomerically Enriched Tertiary Alcohols via Nucleophilic Reactions of Enediolates
JOHN P WOLFE (LSA Chemistry)
$395,000  09/15/2011 - 08/31/2014

FRG: Development and Validation of Novel Computational Tools for Modeling the Growth and Self-assembly of Crystalline Nanostructures
KATSUYO S THORNTON (Materials Science & Engin.)
$900,000  09/15/2011 - 08/31/2014
<table>
<thead>
<tr>
<th>Project Description</th>
<th>Principal Investigator(s)</th>
<th>Co-Investigator(s)</th>
<th>Amount</th>
<th>Duration</th>
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</thead>
<tbody>
<tr>
<td>Optimizing Ion Mobility, Chemical Stability, and Mechanical Rigidity in Composite Electrolytes</td>
<td>JOHN KIEFFER (Materials Science &amp; Engin.)</td>
<td></td>
<td>$552,030</td>
<td>10/01/2011 - 09/30/2015</td>
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<td>Social Identity in Online Microfinance and Public Goods Provision</td>
<td>YAN CHEN (School of Information)</td>
<td>with QIAOZHU MEI</td>
<td>$500,000</td>
<td>09/15/2011 - 08/31/2014</td>
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<tr>
<td>Collaborative Research: Does productivity drive diversity or vice versa? Empirical and theoretical investigations of the multivariate productivity-diversity hypothesis in streams</td>
<td>BRADLEY CARDINALE (Sch of Nat Resources &amp; Environ)</td>
<td></td>
<td>$333,565</td>
<td>01/01/2011 - 02/28/2013</td>
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<td>Heterogeneous Catalysis on Plasmonic Metallic Nanostructures: Selective Catalytic Conversion at Lower Temperatures co-Driven by Solar and Thermal Energy</td>
<td>SULJO LINIC (Chemical Engineering Dept)</td>
<td></td>
<td>$285,000</td>
<td>10/01/2011 - 09/30/2014</td>
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<td>CEMRI for Photonics and Multiscale Nanomaterials</td>
<td>THEODORE B NORRIS (COE EECS - ECE - USL)</td>
<td>with ANASTASIOS JOHN HART</td>
<td>$13,320,000</td>
<td>09/15/2011 - 08/31/2017</td>
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<td>Support for Conferences and Mentoring of Underrepresented Groups in Political Methodology</td>
<td>ROBERT J FRANZESE JR (CPS-Research)</td>
<td></td>
<td>$188,034</td>
<td>09/01/2011 - 08/31/2013</td>
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</table>
NCRN-MN: Linking Surveys to the World: Administrative Data, the Web, and Beyond. Michigan Node of the NSF-Census Research Network

MATTHEW D SHAPIRO (SRC-Hrs)

with CHARLES C BROWN
DAN BROWN
EYTAN ADAR
JAMES M LEPKOWSKI
JOHN BOUND
KENNETH MICHAEL SYLVESTER
LAUREN HERSCH NICHOLAS
LISA J NEIDERT
LUKE SHAEFER
MARGARET C LEVENSTEIN
MELVIN STEPHENS JR
MICHAEL JOHN CAFARELLA
PAMELA GIUSTINELLI
QIAOZHU MEI
SHELDON H DANZIGER
VICKI A FREEDMAN

$2,995,165 10/01/2011 - 09/30/2016

Complex Singularities in Numerical Analysis and Nonlinear Dynamics

DIVAKAR VISWANATH (LSA Mathematics)

$264,998 09/15/2011 - 08/31/2014

Developing Teaching Expertise in K-5 Mathematics

KARA M SUZUKA (School of Education)

with HYMAN BASS
MEGHAN MARY SHAUGHNESSY
PAMELA ANN MOSS
TIMOTHY ARTHUR BOERST


Collaborative Research: CDI-Type II: Cyber-Enabled Studies of Complexity in Nanodustry Plasmas

MARK KUSHNER (COE EECS - ECE - Rad)

$590,756 10/01/2011 - 09/30/2015

Dynamics of Sleep-Wake Regulation

VICTORIA BOOTH (Anesthesiology Department)

with CECILIA DINIZ BEHN

$299,998 10/01/2011 - 09/30/2014

Collaborative Research: Linking the chemical structure of black carbon to its biological degradation and transport dynamics in a northern temperate forest soil

KNUTE J NADELHOFFER (LSA Biological Station)

$493,946 10/01/2011 - 09/30/2012

Function and Regulation of AIFs in Brassinosteroid Signaling

JIANMING LI (LSA Molec./Cell./Develop. Bio)

$589,229 09/01/2011 - 08/31/2014

EXP: Collaborative Research: Using Smartphone-based Participatory Simulations to Engage Children in Scientific Thinking

ELLIOT SOLOWAY (COE EECS - CSE - AI)

with CHRISTOPHER JAMES POULSEN
JOSEPH S KRAJCIK
MICHAEL DONALD BAILEY

$550,000 09/01/2011 - 08/31/2013
Mass-47 Paleothermometry in Deep Geologic Time
KYGER C LOHMANN (LSA Earth & Environmental Sci.)
$224,755 09/15/2011 - 08/31/2014

Mechanics of Intraocular Pressure Increase Associated with Genetic Factors
ALAN ARGENTO (Dbn Coll of Eng-Mechanical Eng)
JULIA E RICHARDS (Dbn Coll of Eng-Mechanical Eng)
with FRANK W ROZSA
WONSUK KIM
$359,920 09/01/2011 - 08/31/2014

IMS I/UCRC: Five Year Renewal
JUN NI (CoE Ind/Univ Coop Research Ctr)
$75,000 09/01/2011 - 08/31/2016

SoCS Doctoral Consortium and PI Meeting
PAUL J RESNICK (School of Information)
$150,000 11/01/2011 - 10/31/2012

Multi-Satellite Investigation of Plasma Sheet Flux Rope Formation and Dynamics
JAMES ARTHUR SLAVIN (Atm, Oceanic & Space Sci.)
$291,641 10/01/2011 - 09/30/2014

EAGER: Collaborative Research: Towards Context-Aware Security and Privacy for RFID Systems
DI MA (Dbn Col of Eng-Computer & Info)
$109,996 10/01/2011 - 09/30/2013

Continuity and Change in American Economic and Social Life: The PSID 07-11 (ASPE Supplement)
CHARLES C BROWN (SRC-Psid)
with ROBERT F SCHOENI
$186,860 09/21/2011 - 02/29/2012

NSF Career: REU Supplement
VIKRAM GAVINI (Mechanical Engineering)
$5,997 09/20/2011 - 01/31/2016

New York Medical College
Targeted Cell Therapy with GMP generated EBV-CTLs in Poor Risk and Rare Childhood and Adolescent Lymphomas
MEGAN S LIM (Pathology Department)
with JOHN E LEVINE
$32,335 07/01/2011 - 06/30/2012

New York University
Fast and Rapidly Convergent CEM Techniques
ERIC MICHELSSEN (COE EECS - ECE - Rad)
$67,608 09/01/2011 - 08/31/2012

Northwestern University
The retinal microenvironment in diabetic retinopathy
DAVID ANTONETTI (Ophthalmology & Visual Science)
$77,750 07/01/2011 - 06/30/2012
Novartis
RAD US 92 Amend/Increased enrollment
FU LUNG LUAN    (Int Med-Nephrology)
$148,710     08/01/2011 - 11/30/2013

Nuclear Regulatory Commission
Department of Nuclear Engineering and Radiological Sciences - Faculty Development Grant Program
RONALD M GILGENBACH    (Nuclear Eng & Radiological Sci)
$450,000     08/04/2011 - 08/03/2014

Ohio State University, The
Forecasting Carbon Storage as Eastern Forests Age: Joining Experimental and Modeling Approaches at the UMBS AmeriFlux Site
KNUTE J NADELHOFFER    (LSA Biological Station)
$419,601     09/01/2011 - 08/31/2014

Oregon State University
Sustainable feed and improved stocking densities for gar (Atractosteus spp.) culture
JAMES STEPHEN DIANA    (Sch of Nat Resources & Environ)
$30,900     06/01/2011 - 09/29/2011

Oxford BioMedica
EIAV Lentiviral Vector Gene Transfer into the Cochlea
YEHOASH RAPHAEL    (Kresge Hearing Research Inst)
$6,500     08/05/2011 - 04/30/2012

Pacific Northwest National Laboratories
NNSA Security Upgrades
HENRY D BAIER    (Financial Operations)
$85,420     06/16/2011 - 03/30/2012

Pardee, Elsa U., Foundation
TRPV3 Ca2+ Channel as a Novel Target of Epithelial Cancers
HAOXING XU    (LSA Molec./Cell./Develop. Bio)
$120,000     09/01/2011 - 08/31/2012
Pilot Studies on the Anti-Tumor Capacity of Novel Catalytic Nanoparticles
HOWARD R PETTY    (Ophthalmology & Visual Science)
$137,376     09/01/2011 - 08/31/2012
Immunotherapy of Melanoma Utilizing Cancer Stem Cell-based Vaccines
QIAO LI    (GSA - Surgical Oncology (SON))
$123,346     10/01/2011 - 09/30/2012

Peace Corps
Strategy Contract FY2012 (Peace Corps Recruitment)
WILLIAM E NOLTING    (International Center)
$18,000     09/30/2011 - 09/29/2012
PPD, Inc.
2011.050: An Open Label Assessment of Safety and Efficacy of Ruxolitinib (Incb018424) in Subjects with Primary Myelofibrosis, Post Essential Thrombocythemia/myelofibrosis and Post Polycythemia Vera/myelofibrosis Who Have Platelet Counts Of 50 X109/L to 100 X109/L
MOSHE TALPAZ (Int Med-Hematology/Oncology)
with DALE LEE BIXBY

Quintiles, Inc
Protocol C13008 - 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)
$275,810 08/01/2011 - 07/31/2016

Sandia National Laboratories
MODELING OF XENON FLASHLAMPS
MARK KUSHNER (COE EECS - ECE - Rad)
$37,500 08/01/2011 - 07/31/2013

Modeling Investigation of the Sandia Free Piston Linear Alternator
ARISTOTELIS BABAJIMOPOULOS (Mechanical Engineering)
$61,377 08/01/2011 - 06/30/2012

Sanofi Pasteur
Fluzone Effectiveness Data - License Agreement
ARNOLD S MONTO (Epidemiology Department)
with SUZANNE E OHMIT
$65,000 08/01/2011 - 06/30/2012

Smithsonian Institution
High Resolution Spectroscopy of a Black Hole Transient
JON MATTHEW MILLER (LSA Astronomy)
$34,785 08/03/2011 - 08/02/2012

Confirmation of a New Pulsar Wind Nebula
JON MATTHEW MILLER (LSA Astronomy)
$8,600 06/03/2011 - 06/02/2012

Soligenix, Inc
A Phase 3, Randomized, Double-Blind, Placebo-Controlled, Multi-Center Study of the Safety and Efficacy of orBec? (Oral Beclomethasone 17,21-Dipropionate) in Conjunction with Ten Days of High-Dose Prednisone Therapy in the Treatment of Patients with Gastrointestinal Graft vs. Host Disease
JOHN E LEVINE (Int Med-Hematology/Oncology)
$12,000 10/01/2010 - 07/31/2013

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 Bone Metastases Starting Zoledronic Acid Treatment
CATHERINE H VAN POZNAK (Int Med-Hematology/Oncology)
$12,900 01/01/2011 - 12/31/2016
Southwest Research Institute
The Solar Orbiter Heavy Ion Spectrometer Development Extended Phase A III
THOMAS H ZURBUCHEN (Atm, Oceanic & Space Sci.)
with SUSAN THERESE LEPRI
$199,801 09/01/2009 - 12/31/2011

SRI International
Network Analysis of Emerging Scientific and Technological Innovations
EYTAN ADAR (School of Information)

State, Department of
Inspiring and Accelerating Entrepreneurship in MENA Youth
JOHN JOSEPH CRISTIANO (Dbn College of Eng-CEEP)
$449,860 09/30/2011 - 10/31/2013

Streamline Numerics, Inc
Advanced Unsteady Turbulent Combustion Simulation Capability for Space Propulsion Systems
MATTHIAS IHME (Aerospace Engineering)
$240,000 07/08/2011 - 07/07/2013

Susan G. Komen for the Cure
Development of Targeted ?Smart? Particles for Silencing the Metastases of Breast Cancer
MOHAMED E H EL-SAYED (Biomedical Engineering)
$180,000 09/14/2011 - 09/13/2014

Templeton, John, Foundation
The Science of Ethics
DANIEL JACOBSON (LSA Philosophy)
with SEKHAR CHANDRA SRIPADA
$853,457 09/01/2011 - 08/31/2014

Tenneco Automotive
Fatigue and Oxidation of Metals at Elevated Temperatures
JWO PAN (Mechanical Engineering)
$73,670 09/01/2011 - 08/31/2012

The Big History Project, LLC
The Big History Project
ROBERT B BAIN (SOE-Educational Studies)
$346,440 01/01/2011 - 08/31/2013

The Hagen Family Foundation (THFF)
Utilizing Ford SYNC to Provide Educational Content to the Driving Public.
ROGER SHULZE (Dbn Col of Eng-IAVS)
$12,000 09/01/2011 - 12/31/2011

Torry Pines Institute for Molecular Studies
High throughput in vivo screening: translational generation of novel analgesics
EMILY M JUTKIEWICZ (Pharmacology Department)
$6,291 08/01/2011 - 07/31/2012
Development of Performance Evaluation Procedures for Active Safety Systems

DAVID JAMES LEBLANC (UMTRI-Engineering Systems)

with CAROL ANN FLANNAGAN
DANIEL F BLOWER

$999,443 08/01/2011 - 01/31/2013

Observation of Microstructures of Mesoporous Silica Spheres and Nanoparticles Incorporated into the Spheres

XIAOQING PAN (Materials Science & Engin.)

$20,000 09/19/2011 - 02/29/2012

Toyota Technical Center, USA, Inc.

Elderly Occupant Posture, Body Shape, and Belt Fit

MATTHEW PAUL REED (UMTRI-Biosciences)

with CAROL ANN FLANNAGAN

$315,899 09/01/2011 - 02/15/2013

Transportation, Department of-Federal Motor Carrier Safety Administration

Collection, Analysis and Evaluation of CMV Safety Data

DANIEL F BLOWER (UMTRI-Vehicle Safety Analysis)
JOHN WOODROOFE (UMTRI-Vehicle Safety Analysis)

with PAUL ERIC GREEN

$750,000 09/30/2011 - 09/29/2012

Transportation, Department of-Federal Railroad Administration

Automated Extraction of Grade Crossing Parameters, Associated Traffic Control Devices, and Sightlines from Lidar Data Phase 2

EDWIN OLSON (COE EECS - CSE - AI)

$109,868 02/01/2011 - 03/31/2012

United BioSource Corporation (UBC)

2011.060: An Open Label, Multi-center, IRESSA? Clinical Access Program of Gefitinib 250 mg (IRESSA?) for the continued treatment of patients in the United States who are currently benefiting or have benefited from gefitinib treatment

GREGORY KALEMKERIAN (Int Med-Hematology/Oncology)

$10,300 09/16/2011 - 07/19/2016

United Negro College Fund Special Programs Corporation

A Methodological Approach for Rapid Audification in Heliospheric Data Analysis

JASON ANDRE GILBERT (Atm, Oceanic & Space Sci.)

with ROBERT LEWIS ALEXANDER

$25,500 09/01/2011 - 08/31/2014

United Way of Washtenaw County

Striving for Thriving RAHS Youth

SHARON A REDMER (UMH RAHS YpsiEast MiddleSchool)

$9,626 07/01/2011 - 06/30/2012

Universal Technology Corporation

Development of a thrust vectoring system for a small turbine engine

TIMOTHY B SMITH (Aerospace Engineering)

$15,785 09/01/2011 - 06/15/2012
University of California - San Francisco

EPGP Amendment 5
SIMON GLYNN (Neurology Department)
with SUCHETA M JOSHI
$184,775 05/01/2011 - 04/30/2012

University of Maryland, The

ACT National-Scale Efforts Toward Verification and Validation of Observing Technologies
GUY A MEADOWS (SNRE CILER)
THOMAS H JOHENGEN (SNRE CILER)
$125,000 06/01/2011 - 05/31/2012

University of Minnesota

COPD Clinical Research Network: STATCOPE protocol
FERNANDO JOSE MARTINEZ (Int Med-Pulm./Critical Care)
$125,225 08/01/2010 - 07/31/2012

University of Pittsburgh

Team Science: Sociotechnical Dimensions of Distributed Work
ANN S ZIMMERMAN (School of Information)
$28,900 01/01/2011 - 08/31/2011

University of Texas at Austin

Education and Alcohol Use in Adolescence and Young Adulthood
JOHN E SCHULENBERG (SRC-Studies of Youth)
$81,730 04/05/2011 - 03/31/2012

University of Utah

A Comparison of Patient Demographics at Six NCCN Sites For Patients Diagnosed with Brain Metastases, Breast Cancer, HCC, Melanoma, NSCLC, and Ovarian Cancer Analysis Plan
JAMES G STEVENSON (PHARMACY Clin, Soc & Admin Sci)
$12,000 09/15/2011 - 10/30/2011

University of Washington

Oxidative Oligomerization of Methane and Oxidation Catalysts: Comp-renewal Year 4
MELANIE S SANFORD (LSA Chemistry)
$219,895 08/01/2011 - 07/31/2012

Control of welding fume exposures in shipbuilding confined spaces: A research to practice demonstration project
RICHARD L NEITZEL (Environmental Health Sciences)
$22,910 09/01/2011 - 08/31/2012

Various Sponsors
Recharge: Wheelchair Restraint Testing
LAWRENCE W SCHNEIDER (UMTRI-Biosciences)
$26,700 03/01/2007 - 02/28/2012

Recharge: Child Restraint Testing
LAWRENCE W SCHNEIDER (UMTRI-Biosciences)
$32,000 03/01/2007 - 02/28/2012
Veterans Affairs, Department of

IPA-David X Pang
  ANGELA TSAI FAGERLIN  (Int Med-General Medicine)
  $17,372  07/01/2011 - 09/30/2011

IPA-Tracy Wharton FY12
  NEIL BURTON ALEXANDER  (Int Med-Geriatric Medicine)
  $73,561  10/01/2011 - 09/30/2012

VAAAS Specialty Care Access Network -Disease Education Modules
  THEODORE ALEXANDER HANSS JR  (Michigan MultiMedia (M3))
  $186,030  09/30/2011 - 09/29/2012

IPA-Joanna Jennens FY12
  NEIL BURTON ALEXANDER  (Int Med-Geriatric Medicine)
  $59,396  10/01/2011 - 09/30/2012

Virginia Commonwealth University

Hybrid Spintronics and Straintronics (HSS): A New Integration Technology for Ultra-Low Energy Computing and Signal Processing Beyond the Year 2020
  PINAKI MAZUMDER  (COE EECS - CSE - SSRL)
  $223,157  09/01/2011 - 08/31/2015

Vortex Hydro Energy, LLC

Advanced Integration of Power Take-Off in VIVACE - a MHK device driven by Flow Induced Motion
  ROBERT F BECK  (Naval Arch & Marine Dept)
  $62,000  08/31/2011 - 12/31/2012

Wake Forest University

Dispositional Empathy as a Character Trait
  SARA HOPE KONRATH  (RCGD-General Research)
  with ANDREA FUHREL-FORBIS
  $150,878  07/01/2011 - 06/15/2013

Washtenaw, County of

Stabilizing Older Adults
  SHARON A REDMER  (UMH Housing Bureau/Gifts)
  with CHERI NALEPA
  HARRIET R BAKALAR
  JANET MARY HUNKO
  JUSTINE BYKOWSKI
  RYAN ROBERT COWMEADOW
  $47,306  07/01/2011 - 06/30/2012

Washtenaw United Way

Dental Care for Severely Medically Compromised Low Income Patients
  STEPHEN J STEFANAC  (DENT Community Dental Clinic)
  $10,000  07/01/2011 - 06/30/2012

Emergency Dental Care
  STEPHEN J STEFANAC  (DENT Community Dental Clinic)
  $12,902  07/01/2011 - 06/30/2012
Wayne State University

*Early state cases for methylation*

LAURA MARIE ROZEK  (Environmental Health Sciences)

$22,584  07/22/2011 - 12/31/2011