The awards detailed in this list were processed April 1, 2009 through April 30, 2009. 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 received. 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 2008</th>
<th>Number of Awards FY 2009</th>
<th>% Change</th>
<th>Value of Awards FY 2008</th>
<th>Value of Awards FY 2009</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Awards Processed (April)</td>
<td>241</td>
<td>219</td>
<td>(9.1%)</td>
<td>$87,336,067</td>
<td>$67,146,121</td>
<td>(23.1%)</td>
</tr>
<tr>
<td>Research Awards</td>
<td>181</td>
<td>162</td>
<td>(10.5%)</td>
<td>$76,097,654</td>
<td>$59,514,289</td>
<td>(21.8%)</td>
</tr>
<tr>
<td>Research Training</td>
<td>13</td>
<td>7</td>
<td>(46.2%)</td>
<td>$7,387,848</td>
<td>$4,039,596</td>
<td>(45.3%)</td>
</tr>
<tr>
<td>Other Sponsored Activity</td>
<td>47</td>
<td>50</td>
<td>6.4%</td>
<td>$3,850,565</td>
<td>$3,592,236</td>
<td>(6.7%)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th></th>
<th>Number of Awards FY 2008</th>
<th>Number of Awards FY 2009</th>
<th>% Change</th>
<th>Value of Awards FY 2008</th>
<th>Value of Awards FY 2009</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Awards Processed Fiscal Year to Date</td>
<td>2,219</td>
<td>2,140</td>
<td>(3.6%)</td>
<td>$808,710,830</td>
<td>$827,166,466</td>
<td>2.3%</td>
</tr>
<tr>
<td>Research Awards</td>
<td>1,608</td>
<td>1,562</td>
<td>(2.9%)</td>
<td>$734,054,447</td>
<td>$742,250,022</td>
<td>1.1%</td>
</tr>
<tr>
<td>Research Training</td>
<td>109</td>
<td>73</td>
<td>(33.0%)</td>
<td>$35,869,139</td>
<td>$23,772,936</td>
<td>(33.7%)</td>
</tr>
<tr>
<td>Other Sponsored Activity</td>
<td>502</td>
<td>505</td>
<td>0.6%</td>
<td>$38,787,244</td>
<td>$61,143,508</td>
<td>57.6%</td>
</tr>
</tbody>
</table>

The monthly decline of FY 2009 awards when compared to FY 2008 moderated in April from March’s experience, however, the percent change remains in negative territory. Year – to – date award value remains in positive but has declined in the past two months. There were 8 fewer awards valued in excess of $1.0 million in April 2009 when compared with April 2008 resulting in $15.0 million fewer dollars.
<table>
<thead>
<tr>
<th></th>
<th>Federal Expendable Restricted</th>
<th>Other Funds</th>
<th>Total Expenditures</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 2009</td>
<td>$479,688,951</td>
<td>$215,737,510</td>
<td>$695,426,461</td>
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<tr>
<td>March 2008</td>
<td>$455,086,164</td>
<td>$174,933,296</td>
<td>$630,019,460</td>
</tr>
<tr>
<td>Percent Change</td>
<td>5.4%</td>
<td>23.3%</td>
<td>10.4%</td>
</tr>
</tbody>
</table>

Source: Division of Research Development and Administration
Data Source: Division of Research Development and Administration
The projects listed here by sponsor were established during the month designated in the heading above. For each project, the listing includes the project title, the project director (and his or her unit affiliations), faculty or primary research staff participating in the project (and their unit affiliations), the amount awarded for the period, and the project period. NOTE: When more than one unit is listed for the project director, the unit responsible for the project is given first.

**Accord Biomaterials, Inc**  
Implantable Glucose Sensors with Prolonged Accuracy  
MARK E MEYERHOFF (LSA Chemistry)  
$51,005  
10/01/08 - 07/31/09

**Aerospace Corporation, The**  
University of Michigan & Aerospace Corporation Affiliates Program - Year 2  
NILTON O RENNO (Atm, Oceanic & Space Sci.)  
$10,000  
12/01/08 - 12/01/09

**Agriculture, Department of**  
McIntire Stennis 2008  
DONALD R ZAK (Sch of Nat Resources & Environ)  
With WILLIAM S CURRIE (Sch of Nat Resources & Environ); MARK D HUNTER (Sch of Nat Resources & Environ); MARYCAROL ROSSITER HUNTER (Sch of Nat Resources & Environ); JOHN H VANDERMEER (Sch of Nat Resources & Environ)  
$238,224  
10/01/07 - 09/30/08

**American Academy of Family Physicians**  
Peer-Led Self-Management Support in "Real-World" Clinical and Community Settings  
TRICIA S TANG (Med Ed/Ofc of Ed Resources&Res)  
With ROBERT M ANDERSON (Med Ed/Ofc of Ed Resources&Res); MARTHA M FUNNELL (Med Ed/Ofc of Ed Resources&Res); MARY ELLEN MICHELE HEISLER (Med Ed/Ofc of Ed Resources&Res); JOHN D PIETTE (Med Ed/Ofc of Ed Resources&Res); MICHAEL SPENCER (Med Ed/Ofc of Ed Resources&Res)  
$805,000  
02/01/09 - 09/30/11

**American Academy of Neurology**  
Sleep Apnea in Mexican American and Non-Hispanic White Stroke Patients  
LEWIS B MORGENSTERN (Neurology Department)  
With DEVIN L BROWN (Neurology Department)  
$130,000  
09/01/09 - 06/30/11

**American Academy of Pediatrics**  
Effects of Insulin Therapy after Bypass on Infant Myocardium  
JOHN R CHARPIE (Pediatrics-Cardiology)  
$35,000  
07/01/08 - 06/30/09

**American Association of Orthodontists Foundation**  
Nan E. Hatch AAOF Postdoctoral Fellowship Award  
NAN E HATCH (Orthodontics-Dentistry)  
$15,000  
07/01/09 - 06/30/10
American Cancer Society
Development of "Oncoseq", A Bioinformatics Platform for Nextgen Sequencing in Oncology
ARUL M CHINNAIYAN (Ctr fr Translational Pathology)
$400,000 07/01/09 - 06/30/14

Patient Expectations, Experiences, and Outcomes in a Randomized Trial Comparing IMRT to Conformal Radiotherapy for Breast Cancer
RESHMA JAGSI (Radiation Oncology - Ann Arbor)
With JEAN MARIE MORAN (Radiation Oncology - Ann Arbor);
LORI J PIERCE (Radiation Oncology - Ann Arbor)
$580,000 07/01/09 - 06/30/13

American Medical Association
Utilizing Thymus-Derived Mesenchymal Stem Cells for Bioengineered Heart Muscle in Pediatric Cardiac Surgery
EDWARD L BOVE (Cardiac Surgery Section)
$2,388 01/01/09 - 12/01/09

Amgen, Inc.
A Randomized, Double-blind, Placebo-controlled, Ascending Multiple-dose Study to Evaluate the Safety, Tolerability, Pharmacokinetics, Pharmacodynamics and Efficacy of AMG 827 in Subjects with Rheumatoid Arthritis
KRISTINE PHILLIPS (Int Med-Rheumatology)
With JAMES R SEIBOLD (Int Med-Rheumatology)
$283,035 03/01/09 - 07/17/09

Ann Arbor District Library
2009 Ann Arbor District Library Employee Satisfaction Survey
TIMOTHY ALLAN DAVIS (Dbn School of Management)
With JOY E BEATTY (Dbn School of Management)
$4,000 03/01/09 - 07/17/09

Ann Arbor Public Schools
Ann Arbor Language Partnership
DONALD FREEMAN (SOE - Teacher Education)
$65,000 09/01/08 - 08/31/09

Arbitron, Inc.
Arbitron Agreement for Consulting Services
RICHARD L VALLIANT (SRC-Survey Methodology Prog)
$66,524 01/01/09 - 12/31/09

Arizona, State of
Project IDEAL State Membership: Arizona
JEROME JOHNSTON (RCGD-Communication/Education)
$2,100 10/01/08 - 09/30/09

ArthroCare Corporation
Percutaneous Plasma Discectomy for Treatment of Symptomatic Cervical, Thoracic and Lumbar Intervertebral Discs
JOHN A YARJANIAN (Physical Medicine & Rehab Dept)
$30,764 01/01/09 - 08/30/09

AstraZeneca, PLC
Utilization of Gastroprotective Agents in At-risk Patients Undergoing PCI Percutaneous Coronary Intervention Receiving Multiple Antiplatelet Agents
CHUNG OWYANG (Int Med-Gastroenterology)
$39,998 03/25/09 - 03/24/10

Atkins, Robert C. Dr., & Veronica, Foundation
Project Healthy Schools, A Community-University Collaborative Between Ann Arbor, MI and the University of Michigan
KIM ALLEN EAGLE (Int Med-Cardiology)
$150,000 01/01/09 - 01/01/11

Avon Foundation
Interaction of Age at First Full-term Pregnancy with Other Known Breast Cancer Risk Factors and Breast Cancer Risk (Renewal)
CHRISTINE A ERDMANN (Epidemiology Department)
$38,217 02/01/09 - 08/31/09

Bishop, A.G., Trust
College of Arts and Sciences, Theatre and Music Programs
DJ TRELAS (Flint CAS)
$15,000 11/18/08 - 11/17/13
BMT Designers & Planners, Inc.
Wireless Demonstrator Package for Monitoring High-Speed Littoral Craft at Sea
JEROME P LYNCH (Civil & Environmental Engr)
$46,329 04/24/08 - 12/31/08

NAVSEA Ship Production Sciences Program
Project: Design for Production Early Stage Hull Form Development Utilizing Multicriterion Optimization
DAVID JACOB SINGER (Naval Arch & Marine Dept)
$81,306 09/18/08 - 04/30/09

Bristol-Myers Squibb Company
An Open Label Trial to Evaluate the Safety of Dasatinib in the Treatment of Scleroderma Pulmonary Interstitial Fibrosis
JAMES R SEIBOLD (Int Med-Rheumatology)
With KRISTINE PHILLIPS (Int Med-Rheumatology); ELENA TISHKOWSKI (Int Med-Rheumatology)
$137,179 03/24/09 - 03/24/11

Second Annual Oncology Nursing Conference
MAX S WICHA (Univ of Mich Cancer Center)
With SUZETTE CAROL WALKER (Univ of Mich Cancer Center)
$4,830 02/17/09 - 05/17/09

Brookdale Foundation
Memory Keepers
BETH SPENCER (Geriatrics Social Work)
$3,000 10/01/08 - 09/30/09

Brush Wellman
Neutronics Analysis of Nuclear Reactor with the Presence of Beryllium
JOHN C LEE (Nuclear Eng & Radiological Sci)
$31,445 01/01/09 - 06/30/09

California Institute of Technology
3D Perception of Specular Surface
SILVIO SAVARESE (COE EECS - ECE - Con)
$41,209 01/01/09 - 08/31/09

Canon, Inc
High Performance Plastic Lenses Using Hybrid Materials Based on Silesesquioxanes
RICHARD M LAINE (Materials Science & Engin.)
$114,451 04/01/09 - 03/31/10

Center for Commercialization of Advanced Technology
Personal Dead-reckoning (PDR) System
JOHANN BORENSTEIN (Mechanical Engineering)
$74,940 03/09/09 - 09/09/09

Center for Rotorcraft Innovation
A New Dynamic Stall Model Based on a Hybrid Computational Approach
PERETZ P FRIEDMANN (Aerospace Engineering)
$40,000 02/15/09 - 02/28/10

Children's Hospital of Denver
Cholestatic Liver Disease Consortium (CLiC)
CATHERINE A SPINO (Biostatistics Department)
$58,377 08/01/07 - 07/31/08

Children's Memorial Hospital
Functional Outcomes of Pediatric Liver Transplantation
EMILY MACDONALD FREDERICKS (Child Behavioral Health)
$21,750 04/01/09 - 03/31/10

Clemson University
Development of High Power Fiber Laser Technologies Based on Next Fiber Structures
ALMANTAS GALVANAUSKAS (COE EECS - ECE - USL)
$300,000 10/01/08 - 09/30/11

Commerce, Department of Office of the Secretary
ACS Internet Design Consultation
MICK P COUPER (SRC-Survey Methodology Prog)
$4,000 03/10/09 - 12/31/09

Community Foundation of Greater Flint
Shiawassee River Water Heritage Trail
JONATHAN H JAROSZ (Flint Ctr/Environmental Rsch)
$16,365 04/20/09 - 04/19/10
Consortium for Ocean Leadership
Pacific Equatorial Age Transect (PEAT1)
THEODORE C MOORE JR (LSA Geological Sciences)
$53,117 03/05/09 - 06/05/09

Corcept Therapeutics, Inc.
An Open Label Study of the Efficacy and Safety of CORLUX (mifepristone) in the Treatment of the Signs and Symptoms of Endogenous Cushings Syndrome
DAVID E SCHTEINGART (Metabolism, Endo & Diabetes)
With GARY D HAMMER (Metabolism, Endo & Diabetes)
$211,577 06/10/08 - 06/01/11

Corporation for Public Broadcasting
Facing the Mortgage Crisis
STEPHEN SCHRAM (Michigan Radio)
$57,500 04/13/09 - 08/31/09

Covance Inc.
A Prospective, Non-intervention, Observational Assessment of the Correlation Between Circulating Biomarkers of Fungal Bioburden and Clinical Outcome in the Setting of Invasive Aspergillosis
JEANNINA A SMITH (Int Med-Infectious Diseases)
With DANIEL RICHARD KAUL (Int Med-Infectious Diseases); JAMES RIDDELL IV (Int Med-Infectious Diseases)
$251,550 01/01/09 - 12/31/10

Cymer, Inc
Electric Discharge Excitation of Excimer Lasers: Stability and Efficiency
MARK KUSHNER (COE EECS - ECE - Rad)
$70,000 03/01/09 - 02/28/10

Defense, Department of-Air Force, Department of the
Young Investigator Research Program: Defending Against Hardware-Based Security Attacks
VALERIA M BERTACCO (COE EECS - CSE - ACAL)
$358,183 03/01/09 - 11/30/11

Active Knits for Radical Change Air Force Structures
DIANN ERBSCHLOE BREI (Mechanical Engineering)
With JONATHAN E LUNTZ (Mechanical Engineering)
$264,902 03/01/09 - 11/30/11

Quantitative Analysis, Design, and Fabrication of Biosensing and Bioprocessing Devices in Living Cells
DOMITILLA DEL VECCHIO (COE EECS - ECE - Con)
With ALEXANDER J NINFA (COE EECS - ECE - Con)
$145,906 03/01/09 - 11/30/11

Defense, Department of-Army, Department of the
High-Density Electroencephalography System
DANIEL P FERRIS (School of Kinesiology)
$179,000 05/15/09 - 05/14/10

Transition Plan for Reduced Iron Sulfide Systems for Removal of Heavy Metals from Groundwater
KIM F HAYES (Civil & Environmental Engr)
With AVERY H DEMOND (Civil & Environmental Engr); TERESE M OLSON (Civil & Environmental Engr)
$200,833 09/01/04 - 06/30/09

Novel Apatmers to Target Metastasis
EVAN T KELLER (Urology Surgery)
$567,231 09/01/09 - 11/30/12

Rapid Manufacturing by Hybrid Prototyping Technologies
PRAVANSU S MOHANTY (Dbn Coll of Eng-Mechanical Eng)
$114,508 03/30/09 - 03/30/14

National Functional Genomics Center - A Center for Genetic Origins of Cancer (CGOC) at the University of Michigan.
MAX S WICHA (Univ of Mich Cancer Center)
With ARUL M CHINNAIYAN (Univ of Mich Cancer Center); ERIC R FEARON (Univ of Mich Cancer Center)
$2,036,996 03/25/09 - 04/24/10
<table>
<thead>
<tr>
<th>Funding Body</th>
<th>Project Title</th>
<th>Principal Investigator(s)</th>
<th>Budget</th>
<th>Start Date - End Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Defense, Department of-Defense Threat Reduction Agency</td>
<td>Cocrystal Engineering of Energetic Materials</td>
<td>ADAM J MATZGER (LSA Chemistry)</td>
<td>$450,000</td>
<td>04/10/09 - 04/09/12</td>
</tr>
<tr>
<td>Defense, Department of-Navy, Department of the</td>
<td>Biology and Biomarkers for Stress Resilience: Animal Models and Human Studies</td>
<td>HUDA AKIL (Molecular &amp; Behav Neurosc Inst); ROBERT C THOMPSON (Molecular &amp; Behav Neurosc Inst); STANLEY J WATSON JR (Molecular &amp; Behav Neurosc Inst); ELIZABETH A YOUNG (Molecular &amp; Behav Neurosc Inst)</td>
<td>$1,236,824</td>
<td>02/01/09 - 01/31/12</td>
</tr>
<tr>
<td>Defense, Department of-Navy, Department of the</td>
<td>Modeling of Solid Particle Dispersion From a Rocket Motor</td>
<td>IAIN D BOYD (Aerospace Engineering)</td>
<td>$25,000</td>
<td>04/01/09 - 08/31/09</td>
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<tr>
<td>Defense, Department of-Navy, Department of the</td>
<td>Improving Fluid Intelligence by Training Working Memory</td>
<td>JOHN JONIDES (LSA Psychology)</td>
<td>$1,049,737</td>
<td>02/01/09 - 01/31/12</td>
</tr>
<tr>
<td>Defense, Department of-Navy, Department of the</td>
<td>Adaptive Pipeline Architectures for Identification and Control of Interconnected Shipboard Plants Using Wireless Sensor Networks</td>
<td>JEROME P LYNCH (Civil &amp; Environmental Engr)</td>
<td>$542,054</td>
<td>04/09/09 - 04/08/12</td>
</tr>
<tr>
<td>Defense, Department of-Navy, Department of the</td>
<td>Attack and Failure-Resilient Networks for Command and Control</td>
<td>ZHUOQING MAO (COE EECS - CSE - SSRL)</td>
<td>$509,546</td>
<td>06/01/09 - 05/31/12</td>
</tr>
<tr>
<td>Delta Dental Fund</td>
<td>Delta Dental of Michigan and the University of Michigan School of Dentistry Medicaid Project</td>
<td>STEPHEN J STEFANAC (Community &amp; Outreach Programs)</td>
<td>$773,326</td>
<td>10/01/08 - 09/30/09</td>
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<tr>
<td>Dow Chemical USA</td>
<td>University of Michigan Dioxin Exposure Study</td>
<td>DAVID H GARABRANT (Environmental Health Sciences)</td>
<td>$2,040,766</td>
<td>07/01/08 - 12/31/09</td>
</tr>
<tr>
<td>Edwards Lifesciences, LLC</td>
<td>Management Impact of Clinical Reminders Attached to Echocardiography Reports Among Patients with Severe Aortic Stenosis</td>
<td>DAVID S BACH (Int Med-Cardiology)</td>
<td>$43,924</td>
<td>10/01/08 - 12/31/11</td>
</tr>
<tr>
<td>Electric Power Research Institute</td>
<td>A Mechanistic Basis for Irradiation Assisted Stress Corrosion Cracking</td>
<td>GARY S WAS (Nuclear Eng &amp; Radiological Sci)</td>
<td>$10,198</td>
<td>01/01/06 - 04/30/09</td>
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<tr>
<td>Energy, Department of</td>
<td>Experimental Astrophysics on the Omega Laser</td>
<td>R PAUL DRAKE (Space Physics Research Lab)</td>
<td>$140,000</td>
<td>11/01/08 - 10/31/10</td>
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<tr>
<td>Evigia Systems, Inc</td>
<td>WIMS NSF ERC Membership 9/07 - 8/08</td>
<td>KENSALL D WISE (COE EECS - ECE Division)</td>
<td>$2,000</td>
<td>09/01/07 - 08/31/09</td>
</tr>
<tr>
<td>Focus: Hope</td>
<td>Google, Inc.</td>
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<tr>
<td>NSF: IUCRC Industry Sponsorship Yr 1</td>
<td>UM WISE RobotC for Girls</td>
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<tr>
<td>JYOTIRMROY MAZUMDER (CoE Claims Lab)</td>
<td>CINDA-SUE G DAVIS (Women in Science &amp; Engineering)</td>
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<tr>
<td>$30,000 10/01/08 - 09/30/09</td>
<td>With JAMIE M SAVILLE (Women in Science &amp; Engineering)</td>
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<tr>
<td><strong>Food Allergy and Anaphylaxis Network</strong></td>
<td>$3,000 05/01/09 - 04/30/10</td>
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<tr>
<td>Nationwide Food Allergy Perception Using the National Poll on Children Health</td>
<td><strong>Great Lakes Fishery Commission</strong></td>
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<tr>
<td>HARVEY L LEO (Hlth Behavior &amp; Hlth Ed Dept)</td>
<td>Planning for an Environmental Place-based Education Hub in the Flint Area</td>
<td></td>
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<tr>
<td>$11,352 11/01/08 - 10/31/09</td>
<td>JONATHAN H JAROSZ (Flint Ctr/Environmental Rsch)</td>
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<tr>
<td><strong>Ford Motor Company</strong></td>
<td>With DANIELLE ROSE GARTNER (Flint Ctr/Environmental Rsch)</td>
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<tr>
<td>Accident Data Analysis</td>
<td>$14,762 03/07/09 - 07/07/09</td>
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<tr>
<td>CHARLES P COMPTON (UMTRI-Data Center)</td>
<td><strong>Harvard University</strong></td>
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<tr>
<td>$5,000 01/01/09 - 12/31/09</td>
<td>Defining CLARREO in a Pre-Phase a Study. A Climate Observing System Simulation Experiment and Impact Study on the CLARREO Mission Architecture.</td>
<td></td>
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<tr>
<td><strong>Genentech, Inc.</strong></td>
<td>XIANGLEI HUANG (Atm, Oceanic &amp; Space Sci.)</td>
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<tr>
<td>Rheumatoid Arthritis Patient and Specimen Cohort</td>
<td>$70,954 04/01/09 - 03/31/10</td>
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<tr>
<td>DAVID A FOX (Int Med-Rheumatology)</td>
<td><strong>Health and Human Services, Department of National Institutes of Health</strong></td>
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<tr>
<td>$215,038 11/26/06 - 01/31/10</td>
<td>New Statistical Methodology to Establish Construct Validity for Childhood Risk</td>
<td></td>
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<tr>
<td><strong>General Electric Company</strong></td>
<td>YUH-PEY ANNE BUU (Psych Substance Abuse)</td>
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<tr>
<td>Continuation: Vortex Flame Impact on Flame Stabilization HC (Hydrocarbon) and CO (Carbon Monoxide) Characteristics of a Multiswirling Flame (GEAE USA Program)</td>
<td>$791,249 04/10/09 - 03/31/14</td>
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<tr>
<td>JAMES F DRISCOLL (Aerospace Engineering)</td>
<td>Nerve Growth Factor Signaling in Painful Diabetic Neuropathy</td>
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<tr>
<td>$250,000 04/07/05 - 12/31/09</td>
<td>HSINLIN THOMAS CHENG (Neurology Department)</td>
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<tr>
<td>GEAE USA Program: High Temperature Aircraft Engine Materials</td>
<td>With EVA L FELDMAN (Neurology Department)</td>
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<tr>
<td>TRESA M POLLOCK (Materials Science &amp; Engin.)</td>
<td>$866,700 04/15/09 - 03/31/14</td>
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<tr>
<td>$260,000 04/07/06 - 06/30/10</td>
<td><strong>General Motors Corporation</strong></td>
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<tr>
<td>Continuation of Project: Additional Tests on Specialized Structural Joints for GE</td>
<td>Thrust Area #4 Propulsion Systems Modeling &quot;GM/UM CRL in Engine Systems Research 09-13&quot;</td>
<td></td>
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<tr>
<td>ANTHONY M WAAS (Aerospace Engineering)</td>
<td>DIONISSIOS N ASSANIS (ME GM)</td>
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<tr>
<td>$11,993 01/01/08 - 05/31/09</td>
<td>With PANOS Y PAPALAMBROS (ME GM)</td>
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<td><strong>General Motors Corporation</strong></td>
<td>$99,500 01/01/09 - 12/31/13</td>
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Proteomic Analysis of api2-MALT1 Positive Gastric MALT Lymphoma
KOJO SEYS JOHN ELENITOBA-JOHNSON (Pathology Department)
With WILLIAM D CHEY (Pathology Department); MEGAN S LIM (Pathology Department); LINDA M MCALLISTER-LUCAS (Pathology Department); ALEXEY NESVIZHSKII (Pathology Department)
$1,436,205 03/26/09 - 01/31/14

Concepts and Theories in Human Development
SUSAN A GELMAN (LSA Psychology)
$1,861,613 04/01/09 - 03/31/14

Molecular Genetics of Coagulation Disorders
DAVID GINSBURG (Life Sciences Institute-Admin)
With DAVID GORDON (Life Sciences Institute-Admin); RANDAL J KAUFMAN (Life Sciences Institute-Admin); SCOTT D LARSEN (Life Sciences Institute-Admin); DANIEL ALLEN LAWRENCE (Life Sciences Institute-Admin); ROBERT H LYONS JR (Life Sciences Institute-Admin); RICHARD ROBERT NEUBIG (Life Sciences Institute-Admin); DAVID H SHERMAN (Life Sciences Institute-Admin)
$8,513,152 04/01/09 - 03/31/14

Secretion-Associated Dynamics of the Plasma Membrane
RONALD W HOLZ (Pharmacology Department)
$96,472 07/01/09 - 06/30/11

Automatic Three Dimensional (3D) Registration for Enhanced Cancer Management
CHARLES R MEYER (Radiology Department)
With PEYTON H BLAND (Radiology Department); THOMAS L CHENEVERT (Radiology Department); JEFFREY A FESSLER (Radiology Department); MARK A HELVIE (Radiology Department); ALFRED O HERO III (Radiology Department); TIMOTHY D JOHNSON (Radiology Department); BOKLYE KIM (Radiology Department); HYUNJIN PARK (Radiology Department); BRIAN DALE ROSS (Radiology Department); ANNE F SCHOTT (Radiology Department); CLAYTON D SCOTT (Radiology Department); DANIEL W VISSCHER (Radiology Department)
$7,518,481 01/12/09 - 02/28/14

Contribution of soluble junctional adhesion molecules to angiogenesis
ALISA E KOCH (Int Med-Rheumatology)
$155,118 05/01/09 - 04/30/12
NCMHD Minority Health and Health Disparities International Research Training

JEROME NRIAGU (Center for Human Growth & Dev)
With FRANK J ANDERSON (Center for Human Growth & Dev); ROSA M ANGULO-BARROSO (Center for Human Growth & Dev); ANDREW D CAMPBELL (Center for Human Growth & Dev); JORGE DELVA (Center for Human Growth & Dev); SHEILA GAHAGAN (Center for Human Growth & Dev); BETSY LOZOFF (Center for Human Growth & Dev); CHERYL A MOYER (Center for Human Growth & Dev); SHERYL L OLSON (Center for Human Growth & Dev); TWILA Z TARDIF (Center for Human Growth & Dev); MARC A ZIMMERMAN (Center for Human Growth & Dev)
$1,209,580 07/01/09 - 12/31/13

Cytokine and Neurotransmitter Interactions in Sleep Regulation
MARK R OPP (Anesthesiology Department)
$1,509,773 04/15/09 - 03/31/13

Epigenetic Regulation of the E Prostanoid 2 Receptor Gene in Lung Fibroblasts
MARC PETERS-GOLDEN (Int Med-Pulm./Critical Care)
$668,560 04/01/09 - 03/31/14

A Novel Telomerase Expressing Lung Fibroblast Phenotype
SEM H PHAN (Pathology Department)
$1,506,239 04/01/09 - 02/28/13

C/EBPb and Heterochromatin: Their Role in Adipogenesis
JESSICA SCHWARTZ (Molec & Integrative Physiology)
$103,432 04/08/09 - 03/31/12

The Association Between Cataract Surgery and Progression of Diabetic Retinopathy
JOSHUA D STEIN (Ophthalmology & Visual Science)
$1,038,335 05/01/09 - 04/30/14

Characterizing Functional Variants in Natural Populations of Drosophila
TRISHA WITTKOPP (LSA Ecology & Evolutionary Bio)
$141,318 04/09/09 - 04/08/12

Brain Endophenotypes Modulating Drug Abuse Risk (Feb 2008 ePAF 1 of 2)
ROBERT A ZUCKER (Psych Substance Abuse)
With MARGIT BURMEISTER (Psych Substance Abuse); MARY MARGARET HEITZEG (Psych Substance Abuse); JEFFREY LONG (Psych Substance Abuse); DOUGLAS C NOLL (Psych Substance Abuse); KERBY A SHEDDEN (Psych Substance Abuse); JON K ZUBIETA (Psych Substance Abuse)
$3,264,330 04/01/09 - 03/31/14

Health AtoZ (Optum Health)
Health Risk Appraisals Clients
DEE W EDINGTON (Health Management Research Ctr)
$500,000 01/01/10 - 12/31/10

Herman Miller, Inc.
Evaluation of Herman Miller, Inc. LEO Chair
NEIL BURTON ALEXANDER (Int Med-Geriatric Medicine)
With LINDA V NYQUIST (Int Med-Geriatric Medicine)
$54,351 11/01/08 - 03/31/09

Hope Foundation, The
Phase II Trial of Neoadjuvant Gemcitabine, Cisplatin, and Cetuximab for Muscle Invasive Bladder Cancer
DEBORAH ANN BRADLEY (Int Med-Hematology/Oncology)
$100,000 07/01/09 - 06/30/11

Housing and Urban Development, Department of
Preventive Intervention for Childhood Asthma & Lead Poisoning in the City of Saginaw, Michigan
JEROME NRIAGU (Environmental Health Sciences)
$875,000 12/15/08 - 12/15/11
INC Research
Amendment: A Multi-Center, Multinational, Long-Term, Open-Label Extension Study to Assess the Safety of Subject Optimized Treatment Regimens of Oral Sildenafil When Used in Combination with Intravenous Prostacyclin (Eppoprostenol), for Pulmonary Arteri
MELVYN RUBENFIRE (Int Med/Cardiology)
$29,466 05/05/04 - 11/30/08

Integrated Sensing Systems (ISSYS)
WIMS NSF ERC Membership 9/07-8/09
KENSALL D WISE (COE EECS - ECE Division)
$4,000 09/01/07 - 09/30/09

Intelligent Automation, Inc.
A Shared Intelligence Framework Targeting Flexible Human Agent Cooperative Tasks
EDMUND H DURFEE (COE EECS - CSE - AI)
$150,000 05/07/08 - 05/07/10

Jet Propulsion Laboratory
Herschel O2 Project
EDWIN ANTHONY BERGIN (LSA Astronomy)
$18,070 03/19/09 - 09/30/09

Dust, Ice and Gas in Time
EDWIN ANTHONY BERGIN (LSA Astronomy)
$34,876 03/19/09 - 09/30/09

CubeSat Facility Development for Multidisciplinary Space Systems Engineering Education and Development of Small-satellite Pipeline.
ALEC D GALLIMORE (Aerospace Engineering) With JAMES W CUTLER (Aerospace Engineering); BRIAN E GILCHRIST (Aerospace Engineering); PETER D WASHABAUGH (Aerospace Engineering) $18,987 03/30/09 - 03/09/10

Radiative Impact of Cirrus Clouds on Tropical Troposphere to Stratosphere Transport
XIANGLEI HUANG (Atm, Oceanic & Space Sci.)
$30,000 03/25/09 - 12/31/09

Feasibility of Geostatistical Carbon Dioxide Data Assimilation Using Data From OCO
ANNA MARTA MICHALAK (Civil & Environmental Engr) $61,904 03/09/09 - 03/14/10

Johns Hopkins University
Screening of Glyco-Markers of Pancreatic Cancer Using a Micro-Array Approach
DAVID M LUBMAN (Surgery Department)
$154,500 01/01/09 - 12/31/09

MOMA LDMS Pre-Phase A Technology Development Program (RDP) Transition
CHRISTOPHER S RUF (Atm, Oceanic & Space Sci.)
$60,600 02/01/09 - 03/31/10

JSTOR
Journal Storage Project (JSTOR) - 2009
MARTHA E POLLACK (School of Information)
$216,994 01/01/09 - 12/31/09

Kendle International, Inc.
A Multi-center, Continuation Trial of Belimumab (HGS1006, LymphoStat-B?), a Fully Human Monoclonal Anti-BLyS Antibody, in Subjects with Systemic Lupus Erythematosus (SLE) who Completed the Phase 3 Protocol HGS1006-C1056 in the United States
WILLIAM J MCCUNE (Int Med-Rheumatology) With PATRICIA CAGNOLI (Int Med-Rheumatology); WENDY E MARDER (Int Med-Rheumatology) $53,088 03/15/09 - 03/14/11

King Abdullah University of Science and Technology Saudi Arabia
KAUST/UM ECE Recruiting Academic Partnership Program
KHALIL NAJAFI (COE EECS - ECE Division)
$500,000 01/01/09 - 12/31/11
Knights Templar Eye Foundation, Inc., The
The Physiology of the Early Postnatal Retinal Microvessels and Implications for Retinopathy of Prematurity
DONALD G PURO (Ophthalmology & Visual Science)
$40,000 07/01/09 - 06/30/10

Kresge Foundation
Planning the Urban Alternatives House at the University of Michigan-Flint
RICHARD HILL-ROWLEY (Flint Earth & Resource Science)
$50,000 04/01/09 - 09/30/09

Larson Realty Group
Argonaut Building, Detroit, Adaptive Reuse Study
CHRISTOPHER BROWN
LEINBERGER (Urban Planning)
With DAVID E BERGMAN (Urban Planning)
$5,113 03/05/09 - 05/31/09

LEAD Program for Engineering
LEAD Engineering Program at the University of Michigan
ANTHONY W ENGLAND (CoE Multicultural Engin Pgm Of)
With DERRICK E SCOTT (CoE Multicultural Engin Pgm Of)
$99,851 03/01/09 - 09/30/11

Leukemia and Lymphoma Society
Roles of MRN in Preventing Oncogenic Translocation in Leukemia and Lymphoma
DAVID O FERGUSON (Pathology Department)
$550,000 07/01/09 - 06/30/14

Los Alamos National Laboratory
Radiation Transport Methods Research for Stochastic Media and Semi-implicit Time Discretizations
EDWARD W LARSEN (Nuclear Eng & Radiological Sci)
$100,762 10/01/08 - 09/30/09

Massachusetts General Hospital
The Psychiatric GWAS Consortium: Integrated & Coordinated GWAS Meta-Analyses
LAURA JEAN SCOTT (Biostatistics Department)
With MICHAEL LEE BOEHNKE (Biostatistics Department)
$39,489 09/30/08 - 08/31/09

McGregor Fund
Detroit Center for Family Advocacy
DONALD N DUQUETTE (Law Clinical Activity)
With VIVEK S SANKARAN (Law Clinical Activity); FRANK E VANDERVORT (Law Clinical Activity)
$80,000 03/23/09 - 03/31/12

Medpace, Inc
A Prospective Randomized, Double-blind, Placebo-controlled Study to Assess the Safety and Efficacy of Mipomersen in Patients with Severe Hypercholesterolemia on a Maximally Tolerated Lipid Lowering Regimen and Who are not on Apheresis
ROBERT S ROSENSON (Int Med-Cardiology)
With ROBERT DANIEL BROOK (Int Med-Cardiology)
$81,100 04/06/09 - 02/28/10

Medtronic Vascular, Inc
Resolute US Clinical Trial: A Clinical Evaluation of the Medtronic EndeavorA Resolute Zotarolimus-Eluting Coronary Stent System in the Treatment of De Novo Lesions in Native Coronary Arteries with a Reference Vessel Diameter of 2.25 mm to 4.2 mm
STANLEY J CHETCUTI (Int Med-Cardiology)
$81,210 03/13/09 - 03/31/11

Medtronic, Inc.
2009 EP Fellowship Program
FRANK PELOSI JR (Int Med-Cardiology)
$40,000 07/01/09 - 06/30/10
Melanoma Research Alliance (MRA)
Combining an MDM2 Inhibitor with Chemotherapy for the Treatment of Melanoma
SANJEEV SHANGARY (Int Med-Hematology/Oncology)
$100,000 06/01/09 - 05/31/11

Michigan Campus Compact
Writing and Research Grant
JOHN C BURKHARDT (SOE-CSHPE)
$5,000 03/01/09 - 02/28/10

Ypsilanti Health Initiative (YHI) - Venture Grant Cycle 37
MARGARET E DEWAR (Community Service Learning)
$3,000 02/01/09 - 01/31/10

Investing in College Futures/Preparing Youth for Higher Education
JOHN H MATLOCK (Ofc Acad Multicultural Init)
With WILLIAM COLLINS (Ofc Acad Multicultural Init)
$30,000 01/01/08 - 12/31/09

Michigan Primary Care Association
Alternative Clinical Center (ACHS) Program
UMHS RAHS East Middle School
SHARON A REDMER (UMH RAHS YpsiEast MiddleSchool)
With JENNIFER A SALERNO (UMH RAHS YpsiEast MiddleSchool)
$60,000 04/01/09 - 09/30/09

Clinical Child & Adolescent Center (CAHC) Program
UMHS RAHS Willow Run
SHARON A REDMER (UMH RAHS Willow Run)
With JENNIFER A SALERNO (UMH RAHS Willow Run)
$87,500 04/01/09 - 09/30/09

Michigan Public Health Institute
Ambulatory Safety and Quality Program: Improving Quality through Clinician Use of Health IT--A Partnership for Clinician EHR Use and Quality of Care-Year 2
KAI ZHENG (Health Management and Policy)
$3,024 09/01/08 - 08/31/09

Michigan State University
Models for Estimating the Effects of Pavement Condition on Vehicle Operating Costs
OLIVER A PAGE (UMTRI-Transp. Safety Analysis)
$19,781 10/25/07 - 10/03/09

Recharge: High-Throughput Screening Services
DAVID H SHERMAN (Life Sciences Institute-Admin)
$19,806 08/01/08 - 07/31/09

Michigan Technological University
Using Remote Sensing-based Measures to Assess NRCS Impacts in Michigan - Step 2
DANIEL G BROWN (Sch of Nat Resources & Environ)
$16,375 09/01/06 - 12/31/09

Michigan, State of, Community Health, Department of
2009 Summer Epidemiology Student Internship
MATTHEW L BOULTON (Sch of Public Hlth-Dean's Ofc)
$24,000 03/01/09 - 09/30/09

Immunization Student Intern Project 2009
MATTHEW L BOULTON (Sch of Public Hlth-Dean's Ofc)
$10,738 05/01/09 - 09/30/09

Michigan Geriatric Oral Health Coalition
DOMENICA GIOVANNA SWEIER (Cariology,Restor Sci & Endo)
$4,215 03/01/09 - 07/30/09

Michigan, State of, Environmental Quality, Department of
Lake Level Dynamics in Michigan's Great Lakes-Phase II: Implications for Shoreline Management Policy and Law
RICHARD KENVIN NORTON (Urban Planning)
With GUY A MEADOWS (Urban Planning); LORELLE ANNISE MEADOWS (Urban Planning)
$40,000 01/01/09 - 03/31/10

EDWARD S RUTHERFORD (Sch of Nat Resources & Environ)
$42,000 01/01/09 - 03/31/10
Michigan, State of, Michigan Economic Development Corporation
2009 Michigan Growth Capital Symposium May 12-13, 2009
TIMOTHY L FALEY (ROSS SCH Zell Lurie Institute)
$10,000 03/04/09 - 05/14/09

Michigan, State of, Natural Resources, Department of
Reproductive and Recruitment Success of Walleye in the Muskegon River
EDWARD S RUTHERFORD (Sch of Nat Resources & Environ)
$82,732 01/20/09 - 12/31/10

Michigan, State of, Transportation, Department of
GEORGE A FULTON (IRLEE)
$60,000 12/02/08 - 09/30/09

MDOT and CVTA International Vehicle Infrastructure Integration (VII) Conference in April 2009
PETER FRANK SWEATMAN (UMTRI-Administration / Library)
$52,351 03/18/09 - 06/30/09

Michigan, State of, Treasury, Department of
Higher Education Consultation Leveraging our Communities for Adult Learners
JOHN C BURKHARDT (SOE-CSHPE)
$68,921 01/01/09 - 08/15/09

Millennium Pharmaceuticals, Inc.
An Open-label, Dose Escalation, Phase 1 Study of MLN4924, a Novel Inhibitor of Nedd8-activating Enzyme, in Adult Patients with Lymphoma or Multiple Myeloma
ANDRZEJ J JAKUBOWIAK (CTO-Phase 1)
$790,782 02/12/09 - 02/26/12
An Open-Label, Dose Escalation, Phase 1 Study of MLN9708, a Second-Generation Proteasome Inhibitor, in Adult Patients with Advanced Nonhematologic Malignancies
DAVID C SMITH (CTO-Phase 1)
$1,410,595 10/07/08 - 05/31/11

Mitsubishi Chemical Corporation
Reaction Cell Development for in Situ Study of p-Xylene Oxidation
PHILLIP E SAVAGE (Chemical Engineering Dept)
$63,474 03/02/09 - 02/28/10

Kinetics Investigation of p-Xylene Oxidation
PHILLIP E SAVAGE (Chemical Engineering Dept)
With ADAM J MATZGER (Chemical Engineering Dept)
$81,052 03/02/09 - 02/28/10

Montefiore Medical Center
HIV Smoking Cessation Website
VICTOR J STRECHER (Hlth Behavior & Hlth Ed Dept)
$55,370 05/31/08 - 05/30/09

Mott, Ruth Foundation
Youth Empowerment Solutions for Peaceful Communities Program (Yes)
TENDAJI W GANGES (Flint Educational Opportunity)
$99,595 04/01/09 - 06/30/10

National Aeronautics and Space Administration
Phase B Support of the LADEE-NMS Instrument Development
CHARLES J M EDMONSON JR (Space Physics Research Lab)
$98,500 04/15/09 - 07/17/09
The Analysis and Interpretation of the Composition and Distribution Functions of Solar Wind, Pickup Ions, and Suprathermal Particles from Ulysses
LENNARD A FISK (Space Physics Research Lab)
With GEORGE GLOECKLER (Space Physics Research Lab); THOMAS H ZURBUCHEN (Space Physics Research Lab)
$531,074 04/13/09 - 04/12/13

Contributions to TWINS Science Analysis
JANET U KOZYRA (Atm, Oceanic & Space Sci.)
$100,000 03/23/09 - 03/22/10
VEGEX3D: LiDAR-SAR/InSAR Extrapolation and Simulation Models for Retrieving Vegetation 3D Structure and Biomass

KAMAL SARABANDI (COE EECS - ECE - Rad)
With KATHLEEN MARY BERGEN (COE EECS - ECE - Rad); LEELAND E PIERCE (COE EECS - ECE - Rad)
$701,842 05/01/09 - 04/30/12

National Childhood Cancer Foundation
Clinical Study Funding Rider
MEGAN S LIM (Pathology Department)
$13,994 03/01/08 - 02/28/09

Study Chair Agreement for Protocol ASCT0521
GREGORY A YANIK (Pediatrics-Hematology/Oncology)
$7,085 10/01/08 - 02/28/09

National Endowment for the Humanities
Landmark Events in the Early American Republic: A Project to Provide Access to Manuscript Collections in the William L. Clements Library, University of Michigan
BARBARA DEWOLFE (Clements Library)
$250,000 05/01/09 - 04/30/11

National Psoriasis Foundation
Premature Coronary Artery Disease in Severe Psoriasis
PRACHI AGARWAL (Radiology Department)
With RUTH C CARLOS (Radiology Department); PAUL P CRONIN (Radiology Department); CHARLES N ELLIS (Radiology Department); ELLA A KAZEROONI (Radiology Department); MELVYN RUBENFIRE (Radiology Department)
$50,000 04/15/09 - 04/14/10

National Public Health Information Coalition
Advertising and Consumer Psychology May 2009 Conference
RAJEEV BATRA (ROSS SCH Research Support)
$10,000 02/20/09 - 12/31/09

National Science Foundation
REU: Leptin Physiology Throughout the Life Cycle of the Frog
ROBERT J DENVER (LSA Molec./Cell./Develop. Bio)
$6,000 04/23/09 - 06/30/10

REU: Molecular and Ecological Adaptations: Evolution of Venoms and Feeding Specializations of Predatory Marine Gastropods
THOMAS F DUDA JR (LSA Zoology Museum)
$6,000 03/31/09 - 07/31/09

IPA Agreement-Gianchandani-4/17/09 thru 12/31/09
YOGESH B GIANCHANDANI (COE EECS - ECE - SSEL)
$148,332 04/17/09 - 12/31/09

Role of Chain Architecture on the Properties of Linear and Star Chain Thin Film Polymer Systems
PETER F GREEN (Materials Science & Engin.)
$520,000 05/01/09 - 04/30/13

Geometry and Physics
LIZHEN JI (LSA Mathematics)
$17,500 05/01/09 - 04/30/10

REU: Population Genetics of Species Delimitation: Methodology & Application of a Unified Application to Inferring Species Boundaries
LACEY KNOWLES (LSA Ecology & Evolutionary Bio)
$12,000 03/31/09 - 08/31/10

2009 REU: Dynamic Deadlock Avoidance in Concurrent Software via Discrete Control
STEPHANE LAFORTUNE (COE EECS - ECE - Con)
$8,000 04/03/09 - 07/31/11

Collaborative Research: High Pressure Experimental Melt Density
REBECCA ANN LANGE (LSA Geological Sciences)
$317,661 05/01/09 - 04/30/12

2009 REU to GOALI: Transients of Production Systems: Theory and Applications
SEMYON M MEERKOV (COE EECS - ECE - Con)
$6,000 04/09/09 - 05/31/11
LHC Summer Research Experience (Supplement for AAPT Meeting in July 2009)
   HOMER A NEAL (LSA Physics)
   With JEAN P KRISCH (LSA Physics)
   $16,000  04/17/09 - 04/30/10

Cooperative DoE Program Supplement (MSU):
Application of Neutron Diffraction Techniques
LEVI T THOMPSON JR (CoE Admin Sponsored Projects)
   $21,000  03/30/09 - 08/28/09

Collaborative Research: Fundamental Experimental and Theoretical Investigation of Finite Strain, High Strain-Rate Electromagnetic Loading Processes in Metals
NICOLAS TRIANTAFYLLIDIS (Aerospace Engineering)
   $275,000  05/01/09 - 04/30/12

Michigan AGEP Alliance HRD-0450063 Year 4 Disbursement $800,000
   JANET A WEISS (Graduate School Administration)
   $800,000  10/01/07 - 09/30/08

Graduate Research Fellowship Program
   JANET A WEISS (Grad Schl-Fellowship Prgm)
   $1,635,977  02/01/07 - 01/31/12

Neuroscience Nursing Foundation
Hypothalamic Modulation of Chemotherapy-Induced Neuropathic Pain
   JANEAN E HOLDEN (School of Nursing)
   $10,000  01/01/09 - 12/31/09

Nico Technologies Corporation
Carbon Nanotubes Based Electrodes for Neuronal Stimulation
   NICHOLAS KOTOV (Chemical Engineering Dept)
   $49,027  10/01/08 - 09/30/09
   SWNT Composites and PEEK with High Loading
   NICHOLAS KOTOV (Chemical Engineering Dept)
   $37,740  07/09/08 - 05/07/09

Novartis
A Phase III Study of STI571 Versus Interferon-A Combined with Cytarabine in Patients with Newly Diagnosed Previously Untreated Philadelphia Chromosome Positive Chronic Myelogenous Leukemia in Chronic Phase
   MOSHE TALPAZ (Int Med-Hematology/Oncology)
   With HARRY P ERBA (Int Med-Hematology/Oncology); SAMI MALEK (Int Med-Hematology/Oncology)$10,842  05/22/06 - 07/31/12

Oak Ridge National Laboratory
Hardware Fabrication for the Personal Dead reckoning System
   JOHANN BORENSTEIN (Mechanical Engineering)
   $4,877  04/14/09 - 05/13/09

Organization for Economic Cooperation & Development
Protocols and Procedures for the Long-Term Preservation of Statistical Data and Metadata
   MYRON P GUTMANN (ICPSR-Archival Development)
   $88,902  04/01/09 - 12/31/09

Ortho-McNeil Pharmaceutical
GI Fellow Educational Scholarship Grant
   ELLEN MARY ZIMMERMANN (Int Med-Gastroenterology)
   $5,850  04/01/09 - 12/31/09

Pennsylvania State University
Application of Direct Simulation Monte Carlo to Simulations of Low Pressure Semiconductor Plasma Processing
   MARK KUSHER (COE EECS - ECE - Rad)
   $21,000  09/01/08 - 01/31/10

Pfizer
Sample Bank Support Agreement Extension (Amendment #5)
   THOMAS J GIORDANO (Pathology Department)
   $400,000  01/01/09 - 12/15/09
Picometrix, Inc.
Optical Techniques Toward High-Power Terahertz Sources
THEODORE B NORRIS (COE EECS - ECE - USL)
With ALMANTAS GALVANAUSKAS (COE EECS - ECE - USL)
$225,000 12/03/08 - 11/30/10

Portland General Electric
HRAs and Evaluation for Portland General Electric
DEE W EDINGTON (Health Management Research Ctr)
$30,000 03/01/09 - 02/28/12

Praxis, Inc
MIS Sensor Design Team Support
CHRISTOPHER S RUF (Space Physics Research Lab)
$232,763 02/23/09 - 02/26/10

Quallion LLC
Synthesis of Nano-sized Lithium-containing Metal Oxides
RICHARD M LAINE (Materials Science & Engin.)
$114,503 02/01/09 - 01/31/11

Quintiles, Inc
A Comparison of Prasugrel and Clopidogrel in Acute Coronary Syndrome (ACS) Subjects with Unstable Angina/Non-ST-Elevation Myocardial Infarction (UA/NSTEMI) Who are Medically Managed - The TRILOGY ACS Study
PAUL MICHAEL GROSSMAN (Int Med-Cardiology)
$120,395 02/05/09 - 02/28/11

Rand Corporation
Displaced New Orleans Residents
BETH-ELLEN PENNELL (Survey Research Organization)
$494,228 10/01/08 - 08/31/09

Saginaw Valley State University
The Michigan Math and Science Partnership Teacher Leadership Network
STEPHEN D BEST (SOE-Educational Studies)
With EDWARD A SILVER (SOE-Educational Studies)
$802,577 09/01/08 - 08/31/09

Sanofi-Aventis Pharmaceuticals
2008.075: A Randomized, Open Label, Multi-center Study of Single Agent Larotaxel (XRP9881) Compared to Continuous Administration of 5-FU for the Treatment of Patients with Advanced Pancreatic Cancer Previously Treated With a Gemcitabine-containing Regimen
MARK M ZALUPSKI (Int Med-Hematology/Oncology)
$415,698 02/15/09 - 02/14/13

Santarus, Inc.
GI Fellow Educational Support
ELLEN MARY ZIMMERMANN (Int Med-Gastroenterology)
$1,950 04/01/09 - 12/31/09

Sarcoma Alliance for Research Through Collaboration (SARC)
SARC 011: A Phase II Trial of R1507, a Recombinant Human Monoclonal Antibody to the Insulin-like Growth Factor-I Receptor for the Treatment of Patients with Recurrent or Refractory Ewing's Sarcoma, Osteosarcoma, Synovial Sarcoma, Rhabdomyosarcoma and Other
SCOTT M SCHUETZE (Int Med-Hematology/Oncology)
$195,788 05/01/08 - 04/30/10
Science Museum of Minnesota
Habitat or Food? The Demise of the Benthic Food Web in Lake Michigan
DAVID J JUDE (Sch of Nat Resources & Environ) $52,650 01/01/09 - 12/31/10

Sloan, Alfred P., Foundation
Democratizing Access to the American Community Survey
WILLIAM H FREY (Population Studies Center) $128,694 05/01/09 - 04/30/12

Smithsonian Institution
The Baryons Content of the Most Massive Spiral Galaxy
JOEL N BREGMAN (LSA Astronomy) $70,152 04/10/09 - 04/09/11
Measuring the Dust-to-Gas Ratio of High Redshift Galaxies
JOEL N BREGMAN (LSA Astronomy) With XINYU DAI (LSA Astronomy) $15,178 02/24/09 - 03/23/10
Collaboration between the Animal Diversity Web and the Encyclopedia of Life
PHILIP MYERS (LSA Zoology Museum) $31,046 11/01/08 - 06/30/09

Spring Point Project
DNA Samples for the Characterization of Swine Leukocyte Antigens
DOUGLAS M SMITH (Pathology Department) $10,000 03/31/09 - 04/01/11

State Bar of Michigan
Low Income Taxpayer Clinic
BRIDGET M MCCORMACK (Law Clinical Activity) With NICOLE APPLEBERRY (Law Clinical Activity) $2,000 05/01/09 - 04/30/10

The Hartwell Foundation
A Bioenergetic Strategy to Treat Graft Versus Host Disease
JAMES L FERRARA (Pediatrics-Hematology/Oncology) $300,000 04/01/09 - 03/31/12

Thomas Jefferson Center for Free Expression
Difficult Dialogues Initiative
CLAUDE F JACOBS (Dbn CASL College-Wide Programs) $5,000 03/15/09 - 09/30/09

Transportation, Department of-National Highway Traffic Safety Administration
Biomechanical Research Support--Project No. 7, Improved Occupant Restraints for Wheelchair Occupants
LAWRENCE W SCHNEIDER (UMTRI-Biosciences) With KATHLEEN DESANTIS KLINICH (UMTRI-Biosciences) $200,000 05/01/07 - 04/30/10

United Therapeutics Corporation
Digital Ischemic Lesions in Scleroderma Treated with Oral Treprostinil Diethanolamine: A Randomized Double-blind Placebo-controlled, Multicenter Study (Distol 1)
JAMES R SEIBOLD (Int Med-Rheumatology) $106,538 03/13/09 - 01/31/11

University of California
ADCS-Pfizer Clinical Trial of RAGE Inhibitor in PET Imaging of Brain Amyloid-Beta with 18F-AV-45 (Florpiramine F-18)
JUDITH L HEIDEBRINK (Neurology Department) $20,000 11/14/08 - 05/31/10

University of California - Berkeley
Mesoscale Simulations of Active Materials for High-Power Batteries: Interrogation of Failure Mechanisms During Cycle
ANN MARIE SASTRY (Mechanical Engineering) $80,000 04/01/08 - 12/31/08

University of California - Los Angeles
Subcontract with UCLA; Support for Kathryn Skaggs
DONNA MARIE MARTIN (Pediatrics-Genetics) $34,583 09/01/08 - 06/30/09
### University of Chicago

- **Building Capacity to Evaluate Group Level Interventions (2009)**
  - BRIAN P ROWAN (School of Education)
  - $46,768 01/01/09 - 12/31/09

- **Therapeutic Targeting of Type II Secretion**
  - MARIA B SANDKVIST (Microbiology and Immunology)
  - $193,125 03/01/09 - 02/28/10

- **Therapies for Infections Caused by Gram-Positive Bacteria**
  - DAVID H SHERMAN (Life Sciences Institute-Admin)
    - With PHILIP C HANNA (Life Sciences Institute-Admin)
    - $301,327 03/01/09 - 02/28/10

- **Identification of Small Molecule Inhibitors and Novel Drug Targets for Noroviruses**
  - CHRISTIANE E WOBUS (Microbiology and Immunology)
  - $177,675 03/24/09 - 02/28/10

### University of Illinois-Urbana-Champaign

- **MURI: Electromagnetics Simulation of Antennas and Arrays Designed Using Novel Electronic Materials and Conformal to Large Complex Bodies**
  - ERIC MICHELSSEN (COE EECS - ECE - Rad)
  - $30,639 12/01/08 - 04/30/09

### University of Maryland, The

- **Digital Humanities Internship Program**
  - PAUL L CONWAY (School of Information)
  - $158,614 09/01/08 - 08/31/11

### University of Missouri

- **Targeting Plasminogen Activator Inhibitor-1 to Inhibit Restenosis**
  - DANIEL ALLEN LAWRENCE (Int Med-Cardiology)
  - $120,000 01/01/09 - 06/30/09

### University of Pittsburgh

- **NAPS 2 Continuation**
  - MICHELLE A ANDERSON (Int Med-Gastroenterology)
  - $16,112 05/01/08 - 04/30/09

### UT-Battelle, LLC

- **Characterization of the Capture-Gated Liquid Scintillator BC-523**
  - SARA A POZZI (Nuclear Eng & Radiological Sci)
  - $10,070 07/23/08 - 09/30/09

### Various Sponsors

- **Recharge: Child Restraint Testing**
  - LAWRENCE W SCHNEIDER (UMTRI-Biosciences)
  - $4,000 03/01/07 - 02/28/12

- **Recharge: Wheelchair Restraint Testing**
  - LAWRENCE W SCHNEIDER (UMTRI-Biosciences)
  - $52,700 03/01/07 - 02/28/12

### Von Braun Center for Science & Innovation (VCSI)

- **HIRAD Instrument Development**
  - ROGER DEAN DE ROO (Space Physics Research Lab)
  - $46,250 12/01/08 - 03/30/09

### Washtenaw Health Plan Corporation

- **Washtenaw Health Plan Performance Incentives**
  - EMILY K MEULEMAN (SON-Grants)
  - $20,000 03/21/09 - 09/30/09

### Water Environment Research Foundation

- **Anaerobic Membrane Bioreactor for Sustainable Wastewater Treatment**
  - LUTGARDE M RASKIN (Civil & Environmental Engr)
    - With NANCY G LOVE (Civil & Environmental Engr); STEVEN J SKERLOS (Civil & Environmental Engr)
  - $159,938 07/01/09 - 08/31/11

### Wayne State University

- **Impact of Drug Insurance of Health Behaviors and Outcomes Among Seniors**
  - XIAO XU (Obstetrics and Gynecology Dept)
  - $34,577 04/01/09 - 03/31/10
Yale University
Improving Search and Discovery of Digital Resources Using Topic Modeling
JOHN PATRICK WEISE (University Library)
$177,009 10/01/08 - 09/30/11