The awards detailed in this list were processed January 1, 2009 through January 31, 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 (January)</td>
<td>144</td>
<td>155</td>
<td>7.6%</td>
<td>$29,281,489</td>
<td>$57,013,435</td>
<td>94.7%</td>
</tr>
<tr>
<td>Research Awards</td>
<td>99</td>
<td>122</td>
<td>23.2%</td>
<td>$27,769,606</td>
<td>$49,926,604</td>
<td>79.8%</td>
</tr>
<tr>
<td>Research Training</td>
<td>3</td>
<td>3</td>
<td>0.0%</td>
<td>$186,318</td>
<td>$2,952,000</td>
<td>1484.4%</td>
</tr>
<tr>
<td>Other Sponsored Activity</td>
<td>42</td>
<td>30</td>
<td>(28.6%)</td>
<td>$1,325,565</td>
<td>$4,134,831</td>
<td>211.9%</td>
</tr>
</tbody>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Awards Processed Fiscal Year to Date</td>
<td>1,570</td>
<td>1,581</td>
<td>0.7%</td>
<td>$583,724,369</td>
<td>$649,076,414</td>
<td>11.2%</td>
</tr>
<tr>
<td>Research Awards</td>
<td>1,135</td>
<td>1,162</td>
<td>2.4%</td>
<td>$535,132,478</td>
<td>$583,590,664</td>
<td>9.1%</td>
</tr>
<tr>
<td>Research Training</td>
<td>79</td>
<td>54</td>
<td>(31.6%)</td>
<td>$21,550,520</td>
<td>$18,667,548</td>
<td>(13.4%)</td>
</tr>
<tr>
<td>Other Sponsored Activity</td>
<td>356</td>
<td>365</td>
<td>2.5%</td>
<td>$27,041,371</td>
<td>$46,818,202</td>
<td>73.1%</td>
</tr>
</tbody>
</table>

January 2009 awards experienced robust activity when compared with the previous January. While there were only eleven more awards their award value was much stronger. There were 21 awards valued in excess of $1.0 million totaling $36.2 million this past January, compared with nine such awards totaling $15.3 million the previous January. The large increase in Research Training is caused by two large awards totaling $2.9 million. No such large awards were received to - date in the previous fiscal year.
## RESEARCH EXPENDITURES

<table>
<thead>
<tr>
<th></th>
<th>Federal Expendable Funds</th>
<th>Other Funds</th>
<th>Total Expenditures</th>
</tr>
</thead>
<tbody>
<tr>
<td>December 2008</td>
<td>$318,569,582</td>
<td>$142,918,370</td>
<td>$461,487,952</td>
</tr>
<tr>
<td>December 2007</td>
<td>$309,400,624</td>
<td>$116,799,659</td>
<td>$426,200,283</td>
</tr>
<tr>
<td>Percent Change</td>
<td>3.0%</td>
<td>22.4%</td>
<td>8.3%</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.

<table>
<thead>
<tr>
<th>Sponsor</th>
<th>Project Title</th>
<th>Project Director(s)</th>
<th>Amount Awarded</th>
<th>Period</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Abraxis BioScience, Inc.</strong></td>
<td>UMCC 2008.033: A Phase I/II Trial of ABI-008 (nab-docetaxel) in Patients with Hormone-refractory Prostate Cancer</td>
<td>MAHA HUSSAIN (Int Med-Hematology/Oncology)</td>
<td>$110,073</td>
<td>12/09/12 - 12/08/15</td>
</tr>
<tr>
<td><strong>American Association of Endodontists, Research and Education Foundation of</strong></td>
<td>Angiogenic Response During Pulpitis</td>
<td>TATIANA M BOTERO (Cariology,Restor Sci &amp; Endo)</td>
<td>$14,740</td>
<td>09/02/12 - 07/01/14</td>
</tr>
<tr>
<td><strong>American Bar Association</strong></td>
<td>After the JD Wave 1: Geocoding</td>
<td>BETH-ELLEN PENNELL (Survey Research Organization)</td>
<td>$7,055</td>
<td>01/06/13 - 04/01/13</td>
</tr>
<tr>
<td><strong>American Chemical Society</strong></td>
<td>Mechanism of Aldehyde Decarbonylase; A Novel Enzyme Involved in Hydrocarbon Biosynthesis</td>
<td>E NEIL G MARSH (LSA Chemistry)</td>
<td>$100,000</td>
<td>02/02/13 - 09/01/15</td>
</tr>
<tr>
<td><strong>American Diabetes Association, Inc.</strong></td>
<td>Plasticity of Interstitial Cells of Cajal In Diabetic Gastropathy</td>
<td>SHI-YI ZHOU (Int Med-Gastroenterology)</td>
<td>$90,000</td>
<td>01/02/13 - 01/01/15</td>
</tr>
<tr>
<td><strong>American Epilepsy Society</strong></td>
<td>Novel Method to Study Human Epilepsy Gene Mutations</td>
<td>JACK M PARENT (Neurology Department)</td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>American Heart Association, Midwest Affiliate</strong></td>
<td>Regulation of G(alpha) by GRK2 and RGS Proteins</td>
<td>JOHN J G TESMER (Life Sciences Institute-Admin)</td>
<td>$52,000</td>
<td>01/02/13 - 01/01/15</td>
</tr>
<tr>
<td><strong>American Iron and Steel Institute</strong></td>
<td>CoE-InterPro Student Capstone Research Projects - Fall 2008 Term</td>
<td>HUEI PENG (CoE Interdisc Prof Program)</td>
<td>$51,000</td>
<td>07/02/12 - 05/01/13</td>
</tr>
<tr>
<td><strong>Ann Arbor Area Community Foundation</strong></td>
<td>Family Support Project</td>
<td>BETH SPENCER (Geriatrics Social Work)</td>
<td>$10,000</td>
<td>12/21/12 - 12/20/13</td>
</tr>
</tbody>
</table>
Argonne National Laboratory
Adaptation of the SHARP Modeling and Simulation Capability for VHTR Development and Design
  WILLIAM R MARTIN (Nuclear Eng & Radiological Sci)
    With THOMAS J DOWNAR (Nuclear Eng & Radiological Sci); EDWARD W LARSEN (Nuclear Eng & Radiological Sci); JOHN C LEE (Nuclear Eng & Radiological Sci)
  $199,928 10/07/12 - 10/03/13

Ariad Pharmaceuticals, Inc.
UMCC 2008.023 Amendment "A Phase 1 Dose Escalation Trial to Determine the Safety, Tolerability and Maximum Tolerated Dose of Oral AP24534 in Patients with Refractory or Advanced Chronic Myelogenous Leukemia and Other Hematologic Malignancies, AP24534
  MOSHE TALPAZ (CTO-Phase 1)
  $6,743 05/02/12 - 11/02/13

Australian Health Management Group
CLONE: Health Management Program
  DEE W EDINGTON (Health Management Research Ctr)
  $40,000 10/02/12 - 10/01/13

AutoNation, Inc.
HRAs and Reports for Clients
  DEE W EDINGTON (Health Management Research Ctr)
  $60,000 01/02/13 - 01/01/14

Carpenter, E. Rhodes and Leona B, Foundation
Tradition Transformed: Chang Ku-nien, Chinese Master Painter of the 20th Century
  JAMES C STEWARD (Museum of Art)
  $25,000 01/02/13 - 07/01/14

Catholic Social Services
Adult Day Services - Silver Club
  ELIZABETH BROCK SPENCER (Geriatrics Social Work)
  $41,250 10/02/12 - 10/01/13

Centocor, Inc.
Centocor/Michigan Postdoctoral Training Program
  VICTOR DIRITA (Graduate/Postdoc Roll-up)
  $1,900,000 12/23/12 - 12/22/17
  A Multicenter International Observational Study of the Long-term Safety of Infliximab (Remicade) Protocol #C0168T45 "Results: Remicade Safety Under Long-Term, Study"
  SEWON KANG (Dermatology Department)
  $250 04/02/11 - 01/01/18
Evaluation of the Expression Profile of Inflammation and Fibrosis Mediators in Skin, Blood and Urine from Subjects with Diffuse Systemic Sclerosis
  KRISTINE PHILLIPS (Int Med-Rheumatology)
    With JAMES SEIBOLD (Int Med-Rheumatology)
  $95,000 01/07/13 - 01/01/15

Cornell University
NNIN Equipment Purchase
  KHALIL NAJAFI (CoE EECS-Ssel)
  $177,277 09/02/12 - 09/01/15

Creighton University
Study of Reduced Bone Quality as a Cause of Fractures
  MICHAEL D MORRIS (LSA Chemistry)
    With STEVEN A GOLDSTEIN (Orthopaedic Surgery)
  $69,021 04/02/12 - 04/01/13

CTI Clinical Trial and Consulting Services
TACRO 2018: A Phase 2, Open Label, Multicenter, Randomized Trial to Demonstrate the Pharmocokinetics of LCP-Tacro Tablets Once Daily and Prograf Capsules Twice Daily in Adult De Novo Liver Transplant Patients
  SHAWN J PELLETIER (General Surgery Section)
  $201,597 12/09/12 - 01/01/15

Cystic Fibrosis Foundation Therapeutics, Inc.
Therapeutics Development Network
  SAMYA Z NASR (Pediatrics-Pulmonary Medicine)
  $108,000 01/02/13 - 01/01/14
Damon Runyon Cancer Research Foundation
Modulation of Notch Signaling to Control Graft-versus-host-disease and Preserve the Anti-tumor Activity of Alloreactive T Cells
IVAN PATRICK MAILLARD (Life Sciences Institute-Admin)
With YI ZHANG (Int Med-Hematology/Oncology)
$450,000 01/02/13 - 01/01/16

Defense, Department of-Air Force, Department of the
Chemistry and Transport Problems for Jet Fuel Combustion
ANGELA VIOLI (Mechanical Engineering)
$604,564 12/02/12 - 12/01/15

Defense, Department of-Defense Threat Reduction Agency
Exploration and Exploitation of High Quantum Efficiency Electromagnetic Radiation
ROSEANNE J SENSION (LSA Chemistry)
With DUNCAN G STEEL (COE EECS - ECE - OPT)
$1,498,203 01/23/13 - 02/02/16

Defense, Department of-National Security Agency
Applications of Algebraic Computations in Geometry
IGOR KRIZ (LSA Mathematics)
$60,428 01/23/13 - 01/22/15

Defense, Department of-Navy, Department of the
Measurement of Skin Friction From a Turbulent Boundary Layer for Various Surfaces and Coatings
STEVEN L CECCIO (Naval Arch & Marine Dept)
With MARC PERLIN (Naval Arch & Marine Dept)
$137,562 11/07/12 - 01/01/14

Leading Edge Architecture for Prototyping Systems Support
DAVID JACOB SINGER (Naval Arch & Marine Dept)
With ROBERT F BECK (Naval Arch & Marine Dept); KEVIN JOHN MAKI (Naval Arch & Marine Dept); ATUL PRAKASH (COE EECS - CSE Division); ARMIN W TROESCH (Naval Arch & Marine Dept)$5,000,000 12/31/12 - 12/30/17

The Effects of Nanoparticles on Tribology of Lubricants
ANGELA VIOLI (Mechanical Engineering)
$100,000 01/31/13 - 01/30/14

DTE Energy
DTE Energy - MPSC PHEV Pilot Proposal
IAN HISKENS (MI Memorial Phoenix Energy Ins)
With MICHAEL TODD ANUSKIEWICZ (Transportation Systems Group); DUNCAN S CALLAWAY (Sch of Nat Resources & Environ); RICHARD T CURTIN (SRC-Surveys of Consumers); HOSAM K FATHY (Mechanical Engineering); ZORAN S FILIPI (Mechanical Engineering); GREGORY A KEOLEIAN (Sch of Nat Resources & Environ); CHRIS MI (Dbn Col of Eng-Electric & Comp); JOHN L SULLIVAN (Transportation Systems Group); THOMAS H ZURBUCHEN (CoE Undergraduate Education)
$2,156,164 09/05/12 - 08/01/14

Elan Pharmaceutical Research Corporation
ELAN Bapineuzamab (ELN115727-301/302)PET-Sub-Study
ROBERT A KOEPPE (Radiology-Nuclear Medicine)
$388,108 10/09/12 - 04/09/14
Electric Power Research Institute (EPRI)
Identifying Mechanisms and Mitigation Strategies for Irradiation Assisted Stress Corrosion Cracking of Austenitic Steels in LWR Core Components
GARY S WAS (Nuclear Eng & Radiological Sci)
$1,183,156 01/02/13 - 01/01/18

Electro Chemical Finishing Company
STTR Phase II: Development of Amorphous Alloy Surface Coatings as Replacement for Chromate
JOHN C BILELLO (Materials Science & Engin.)
$195,000 01/02/13 - 01/01/15

Energy, Department of
Simulations of Self-assembly of Tethered Nanoparticle Shape Amphiphiles
SHARON C GLOTZER (Chemical Engineering Dept)
$50,568 09/02/11 - 12/01/12
Simulation of Self-Assembly of Tethered Nanoparticles Shape Amphiphiles
SHARON C GLOTZER (Chemical Engineering Dept)
$160,000 12/02/12 - 12/01/13
Intense Laser Interactions with Low Density Plasmas Using OMEGA EP
KARL MICHAEL KRUSHELNICK (CoE EECS-Usl)
With ANATOLY M MAKSIMCHUK (CoE EECS-Usl); VICTOR P YANOVSKY (CoE EECS-Usl)
$180,000 12/02/12 - 12/01/14

Fibromuscular Dysplasia Society of America
Fibromuscular Dysplasia Patient Registry
JAMES B FROEHLICH (Int Med-Cardiology)
$50,143 02/01/13 - 02/02/14

Flint Community Schools
Transition to Teaching
ROSE A CASEMENT (Flint Education)
$54,500 10/02/11 - 10/01/12

Ford Foundation
Religious Diversity in the Public Research University
PATRICIA Y GURIN (LSA Psychology)
With KELLY E MAXWELL (UG: InterGroup Relations)
$60,000 10/02/12 - 10/01/14

Genentech, Inc.
2008.035: A Randomized, Placebo-Controlled Phase II Study of GDC-0449 (Systemic Hedgehog Antagonist) with Concurrent Chemotherapy and Bevacizumab as First-line Therapy for Metastatic Colorectal Cancer
MARK M ZALUPSKI (Int Med-Hematology/Oncology)
$729,584 02/16/13 - 12/16/14

Health and Human Services, Department of Centers for Disease Control and Prevention
Translating Research Into Action for Diabetes
WILLIAM H HERMAN (Metabolism, Endo & Diabetes)
$585,492 02/01/13 - 02/01/14
Payer Policies Related to Circumcision
MARC A ZIMMERMAN (Hlth Behavior & Hlth Ed Dept)
With SARAH J CLARK (Pediatrics-Ambulatory Care Pgm); GARY L FREED (Pediatrics-Ambulatory Care Pgm)
$30,607 09/30/12 - 09/30/13
Health and Human Services, Department of National Institutes of Health

MARTHA J BAILEY (LSA Economics)
$148,667 12/09/12 - 12/01/14

Molecular Sub-Typing of Prostate Cancer Based on Recurrent Gene Fusions
ARUL M CHINNAIYAN (Ctr fr Translational Pathology)
With ROHIT MEHRA (Pathology Department); JAMES E MONTIE (Urology Surgery); RAJAL B SHAH (Pathology Department); ALEXANDER TSODIKOV (Biostatistics Department); JOHN THOMAS WEI (Urology Surgery)
$1,236,000 03/02/13 - 01/01/18

Compliant Thoracic Artificial Lungs
KEITH E COOK (General Surgery Section)
With JOSEPH L BULL (Biomedical Engineering)
$1,447,940 01/02/13 - 01/01/17

Variation in Antihypertensive Prescribing Patterns in Children
GARY L FREED (Pediatrics-Ambulatory Care Pgm)
$688,500 01/02/13 - 01/01/18

Mechanisms of Adrenal Differentiation
GARY D HAMMER (Metabolism, Endo & Diabetes)
With JAMES DOUGLAS ENGEL (Cell and Developmental Biology)
$1,299,147 02/02/13 - 02/01/17

FASEB Summer Conference on Ion Channel Regulation
LORI L ISOM (Pharmacology Department)
$20,000 01/02/13 - 01/01/14

Therapeutic Misconception and the Ethics of Sham Surgery Controls in PD Research
SCOTT YUNG HO KIM (Depression Center)
With RAYMOND G DE VRIES (Med Ed/Ofc of Ed Resources&Res); HYUNGIJIN MYRA KIM (Ctr Statistical Consul & Res)
$1,393,176 03/02/13 - 03/01/17

Monokine Gene Expression / Regulation in Lung Injury
STEVE L KUNKEL (Pathology Department)
With YALI DOU (Pathology Department); THEODORE J STANDIFORD (Int Med-Pulm./Critical Care)
$1,884,925 01/02/13 - 01/01/18

CD24 in Cancer Resistance and Immunotherapy
YANG LIU (General Surgery Section)
With DAVID M LUBMAN (Surgery Department); PAN ZHENG (Surgery Department)
$1,276,355 01/02/13 - 01/01/18

Neural Substrates of Contextual Memory in Fear Extinction
STEPHEN A MAREN (LSA Psychology)
With JOSHUA DAMIEN BERKE (LSA Psychology)
$1,738,880 01/11/13 - 12/01/13

The Role of DEK in the Development of Arthritis
NIRIT MOR-VAKNIN (Int Med-Infectious Diseases)
$226,356 12/27/12 - 12/01/15

Neuropeptide Regulation of Enteropancreatic Function
MICHAEL W MULHOLLAND (Surgery Department)
With WEIZHEN ZHANG (General Surgery Section)
$1,832,191 01/02/13 - 01/01/18

Environment, Novel Aging Outcomes, and Genetics
SUNG KYUN PARK (Environmental Health Sciences)
$630,771 01/02/13 - 01/01/18
A Phase I/II Clinical Trial of Intravenous (IV) Calcitriol With Fixed Dose of Cisplatin and Docetaxel in Advanced Non-Small Cell Lung Cancer  
NITHYA RAMNATH (Int Med-Hematology/Oncology)  
With DEAN E BRENNER (Int Med-Hematology/Oncology)  
$577,014  07/02/12 - 01/31/14

Altered Excitatory Neurotransmission After Brain Trauma  
LESLIE SATIN (Pharmacology Department)  
$799,655  07/02/12 - 01/01/15

Myotubularin and the Pathogenesis of Myotubular Myopathy  
FAYE S SILVERSTEIN (Pediatrics-Neurology)  
With EVA L FELDMAN (Neurology Department)  
$640,400  12/02/12 - 12/01/17

TLR9 Mediated Dendritic cell responses in Hypersensitivity Pneumonitis  
THEODORE J STANDIFORD (Int Med-Pulm./Critical Care)  
$667,203  01/02/13 - 01/01/18

Statistical Methods for Cancer Biomarkers  
JEREMY M G TAYLOR (Biostatistics Department)  
With MICHAEL R ELLIOTT (Biostatistics Department)  
$744,118  01/02/13 - 01/01/16

Design of Bivalent SMAC Mimetics  
SHAOMENG WANG (Int Med-Hematology/Oncology)  
With ZANETA NIKOLOVSKA-COLESKA (Int Med-Hematology/Oncology); CHAO-YIE YANG (Int Med-Hematology/Oncology)  
$1,534,100  01/02/13 - 12/01/17

Novel Small-molecule Inhibitors of Bcl-2/Bcl-xl Proteins  
SHAOMENG WANG (Int Med-Hematology/Oncology)  
With SAMI MALEK (Int Med-Hematology/Oncology)  
$2,365,128  05/02/12 - 05/01/14

How Does Misregulation of PI3,5P2 Signaling Lead to Neurodegeneration?  
LOIS S WEISMAN (Life Sciences Institute-Admin)  
$1,689,845  01/02/13 - 12/01/17

Protein Expression in Failing Human Hearts  
MARGARET V WESTFALL (Cardiac Surgery Section)  
With SHARLENE M DAY (Int Med-Cardiology); DAVID E MISEK (General Surgery Section)  
$424,875  12/24/12 - 12/01/14

Dietary Regulation of Pancreatic Digestive Enzymes  
JOHN ANDREW WILLIAMS (Molec & Integrative Physiology)  
With STEPHEN A ERNST (Cell and Developmental Biology)  
$1,649,369  01/21/12 - 12/01/17

The Mucolipin TRP Ion Channels  
HAOXING XU (LSA Molec./Cell./Develop. Bio)  
$1,653,090  01/16/13 - 01/01/18

Helen L. Kay Charitable Private Foundation  
The Hedgehog Pathway in Cancer Development in Mouse Model  
ANDRZEJ A DLUGOSZ (Dermatology Department)  
$57,816  01/02/13 - 01/01/15

Hudson Alpha Institute for Biotechnology  
HudsonAlpha Cancer Genome Characterization Center  
JUN LI (Human Genetics Department)  
$25,404  09/02/12 - 09/01/13

Intelligent Prosthetic Systems  
Testing of Prototype Prosthetic Foot  
ARTHUR D KUO (Mechanical Engineering)  
$120,000  01/02/13 - 01/01/14
International Truck and Engine Corporation (NAVISTAR)
Recharge: PIT Testing
TIMOTHY J GORDON (UMTRI-Engineering Research)
With STEVEN MICHAEL KARAMIHAS (UMTRI-Engineering Research)
$11,900 12/02/12 - 01/02/13

Iowa State University
ERC: Center for Biorenewable Chemicals
ERAN PICHERSKY (LSA Molec./Cell./Develop. Bio)
$166,660 09/02/12 - 09/01/13

Johnson & Johnson
Hsp70 - Potential Drug Target in Neurodegenerative Diseases
JASON EDWARD GESTWICKI (Life Sciences Institute-Admin)
$100,000 01/02/13 - 01/01/14

Inflammation and Obesity
ALAN R SALTIEL (Life Sciences Institute-Admin)
$150,000 01/02/13 - 01/01/14

Johnson, Robert Wood, Foundation
RWJ Health Confidence Index
RICHARD T CURTIN (SRC-Surveys of Consumers)
$307,004 02/16/13 - 02/15/14

Prevention of Intimate Partner Violence
MIEKO YOSHIHAMA (School of Social Work)
$29,170 01/02/13 - 06/01/13

Juvenile Diabetes Research Foundation International (JDRF)
Role of TSC-mTORC1 Pathway for Podocyte Injury in Diabetic Nephropathy
KEN INOKI (Life Sciences Institute-Admin)
$445,500 03/02/13 - 02/29/16

Kettering Foundation
Assessing the Impact of Habitat for Humanity on Partner Families in Detroit
LARA CHRISTINE RUSCH (Dbn CASL-Social Sciences)
With JULIO LUIS BORQUEZ (Dbn CASL-Social Sciences); A TREVOR THRALL (Dbn CASL-Social Sciences)
$10,000 02/02/13 - 02/01/14

Knight, James A. and Faith, Foundation
Empowering Women and Children Exposed to Intimate Partner Violence
SANDRA A GRAHAM-BERMANN (LSA Psychology)
$11,000 12/02/12 - 12/01/13

Leadership for Safe Asian Communities (LSAC)
MIEKO YOSHIHAMA (School of Social Work)
$10,000 01/02/13 - 01/01/14

Leakey, L. S. B., Foundation
Locomotor Development in Wild Chimpanzees
LAURA M MACLATCHY (LSA Anthropology)
$12,000 12/17/12 - 03/02/15

Gestural Communication and Social Relationships in Wild Chimpanzees
JOHN C MITANI (LSA Anthropology)
$6,100 12/17/12 - 02/01/15

Medical College of Wisconsin
Proposal for Pilot Workshops and a Training Program for Faculty Development
MARGARET DEWAR (Community Service Learning)
With MATTHEW COUNTRYMAN (LSA American Culture); JEFFREY HOWARD (Community Service Learning)
$10,000 01/02/13 - 01/01/14

Medtronic, Inc.
Historical Mortality Rates Following Treatment of Complicated, Acute Type B Aortic Dissection
HIMANSHU J PATEL (Cardiac Surgery Section)
$39,300 12/19/12 - 12/18/13
Merck and Company, Inc.
UMCC 2008.095: Phase 2 Trial of Vorinostat plus Tacrolimus & Mycophenolate to Prevent Graft Host Disease Following Reduced Intensity Conditioning Related Donor Allogeneic Transplant
PAVAN R REDDY (Int Med-Hematology/Oncology)
$378,125  12/19/12 - 01/01/15

Merck Company Foundation
Alliance Program Office for Diabetes
NOREEN M CLARK (Hlth Behavior & Hlth Ed Dept)
With CATHLEEN M CONNELL (Hlth Behavior & Hlth Ed Dept)
$1,250,000  12/09/12 - 01/01/18

Michigan Campus Compact
MLK Strive for College Challenge Grant
RENEE COLEEN ZIENTEK (Flint VC for Institutional Adv)
$750  11/02/12 - 02/03/13

Michigan Critical Care Consultants, Inc.
Development of a Compact Cardiopulmonary Support Device (CCSD)
KEITH E COOK (General Surgery Section)
$77,450  09/16/12 - 08/01/13

Michigan Engineering Services
Support for STTR Topic N06-T016 Advanced System of Systems Design Capability
DAVID JACOB SINGER (Naval Arch & Marine Dept)
$150,000  11/02/12 - 03/02/13

Michigan State University
Pathways to a Child Welfare Certificate
KATHLEEN C FALLER (School of Social Work)
$18,000  10/02/12 - 01/01/13

Novel Nano Biocarriers for Continuous Saccharification of Biomass Using Whole Microbial Cell
JINSANG KIM (Materials Science & Engin.)
$30,000  06/02/12 - 06/01/14

Michigan, State of, Community Health, Department of
Measuring Psychiatric Problems in Michigan Correctional Facilities
BRANT E FRIES (Institute of Gerontology)
$332,902  10/02/12 - 10/01/13

Michigan, State of, Human Services, Department of
Michigan AmeriCorps Partnership - 2008-09 - Supplemental Funds
MARGARET DEWAR (Community Service Learning)
$56,034  09/02/12 - 09/01/13

Michigan, State of, Natural Resources, Department of
Development of a GIS for Inventory, Classification and Management of Non-Game Wildlife in Great Lakes Waters
EDWARD S RUTHERFORD (Sch of Nat Resources & Environ)
$81,500  10/02/12 - 10/01/13

Michigan, State of, Transportation, Department of
Economic Benefit Analysis
GEORGE A FULTON (IRLEE)
$70,000  12/03/12 - 05/01/13

Midwest Nursing Research Society
Patient Safety and Call Light Use & Responsiveness
HUEY-MING TZENG (SON-(Div III) Div of Nursing)
With DAVID L RONIS (School of Nursing)
$10,000  04/02/13 - 04/01/14

Mildred Swanson Foundation
Adaptive Cognitive Assessment Laboratory: Educational Liaison Program
SETH A WARSCHAUSKY (Physical Medicine & Rehab Dept)
$25,000  01/02/12 - 01/01/14
Momenta Pharmaceuticals, Inc
A Randomized, Multi-center, Open-label, Parallel Group Feasibility Study to Determine the Safety and Efficacy of the Rationally Engineered Heparin M118 vs UFH in Subjects with Stable Coronary Artery Disease Undergoing Percutaneous Coronary Intervention
HITINDER SINGH GURM (Int Med-Cardiology)
$6,000 11/18/12 - 04/01/13

Mott, Charles Stewart, Foundation
The Launch Pad
JOEL E RASH (Cntr for Entrpnshp and Bus Dev)
$64,946 06/02/12 - 06/01/13

National Aeronautics and Space Administration
Large-Scale Structure Meets WMAP: Tests of Isotropy of the Universe
DRAGAN HUTERER (LSA Physics)
$361,943 12/09/12 - 12/08/15

National Archives and Records Administration
Archival Metrics and User Evaluation for Government Archives
ELIZABETH YAKEL (School of Information)
$149,969 01/02/13 - 01/01/15

National Ataxia Foundation
Cerebellar Ataxia: Three Novel Genetic Forms
SHIRLEY R RAINIER (Neurology Department)
With JOHN K FINK (Neurology Department)
$15,000 01/02/13 - 01/01/14

National Science Foundation
REU: Simplified Bidding and Solution Structures for Combinatorial Procurement Auctions
AMY ELLEN MAINVILLE COHN (Industrial Operations)
$6,000 05/02/11 - 09/01/13
Request for Participant Support for the Fourth Triennial Conference on Foundations of Molecular Modeling and Simulation (FOMMS 2009)
SHARON C GLOTZER (Chemical Engineering Dept)
$40,000 01/16/13 - 07/01/14

Uranium from Africa and the Power of Nuclear Things
GABRIELLE HECHT (LSA History)
$109,778 06/02/13 - 06/01/15

CAREER: Dissecting the Regulation of Ribosome Assembly by the Essential GTPase Bms1
KATRIN KARBSTEIN (LSA Chemistry)
$694,028 03/02/13 - 03/01/18

GEM: Assessing the Storm-Time Magnetic Distortion in the Inner Magnetosphere
MICHAEL WARREN LIEMOHN (Space Physics Research Lab)
$396,835 02/02/13 - 06/01/16

CAREER: Nanoengineered Sensing Skins for Structural Health Monitoring - An Integrated Research and Education Career Experience
JEROME P LYNCH (Civil & Environmental Engr)
$400,000 01/16/13 - 01/01/18

CAREER: Study of Heat and Charge Transport in Metal-Molecule-Metal Junctions
PRAMOD SANGI REDDY (Mechanical Engineering)
$403,138 05/02/13 - 05/01/18

Learning and Adapting to Spatio-Temporal Anomalies
CLAYTON D SCOTT (CoE EECS-Cspl)
With ALFRED O HERO III (CoE EECS-Cspl)
$564,341 09/02/12 - 09/01/15

Direct Visualization of Strain-Induced Yielding in Colloidal Gels
MICHAEL J SOLOMON (Chemical Engineering Dept)
$300,000 06/02/13 - 06/01/16

Graduate Research Fellowship Program
JANET A WEISS (Graduate School Administration)
$1,000,000 02/02/11 - 02/01/16

CO2 Diffusion in Basaltic Melt
YOUXUE ZHANG (LSA Geological Sciences)
$330,160 01/16/13 - 01/01/17
National Surgical Adjuvant Breast and Bowel Project (NSABP) Foundation, Inc.
A Study to Evaluate Different Decision-Making Approaches Used by Women Known to be at High Risk for Breast Cancer
ANGELA TSAI FAGERLIN (Behavioral & Decision Sciences)
$41,426 09/02/12 - 06/01/13

North Dakota Farm Bureau Foundation
Farmer's Preferences for Use of Hearing Protectors
MARJORIE COOK MCCULLAGH (SON-(Div II) Division of Hlth)
$2,400 10/02/12 - 10/01/13

nv Bekaert sa
Evaluation of Seismic Behavior of Slender Fiber Reinforced Concrete Coupling Beams
GUSTAVO J PARRA-MONTESINOS (Civil & Environmental Engr)
$28,000 12/02/13 - 12/01/14

Packard, David and Lucile, Foundation
Developing, Evaluating and Disseminating Case Studies of Marine Ecosystem-Based Management
STEVEN L YAFFEE (Sch of Nat Resources & Environ)
$338,511 01/02/13 - 10/01/14

Pall Corporation
Carbon Nanotube Growth Within Porous Filter Media
ANASTASIOS JOHN HART (Mechanical Engineering)
$54,621 09/02/12 - 09/01/13

Paralyzed Veterans of America (PVA)
Nanofiber Scaffolds for Directed Nerve Regeneration
JOSEPH MICHAEL COREY (Neurology Department)
$150,000 01/02/13 - 01/01/15

Prostate Cancer Foundation
PCF-safeway S.T.A.R. TEMT Research Program
KENNETH J PIENTA (Int Med-Hematology/Oncology)
$135,000 09/16/12 - 09/15/15

Research to Prevent Blindness, Inc.
Unrestricted Grant
PAUL R LICHTER (Ophthalmology & Visual Science)
$110,000 01/02/13 - 01/01/14
Visual Cycle Defects in Inherited Retinal Degeneration (RPB Senior Sci. Invest Award)
DEBRA A THOMPSON (Ophthalmology & Visual Science)
$75,000 01/02/13 - 01/01/14

Reuters Limited
Surveys of Consumers Data Co-branding and Distribution, 2009
RICHARD T CURTIN (SRC-Surveys of Consumers)
$1,339,030 01/02/13 - 01/01/14

Saginaw, County of
Saginaw County Community Survey
DANIEL JAMES KRUGER (Hlth Behavior & Hlth Ed Dept)
With SUSAN MORREL-SAMUELS (Hlth Behavior & Hlth Ed Dept)
$15,000 10/02/12 - 10/01/13

Scientific Modeling
Segmenting Hyperspectral Scenes with Occlusions
SELIM ESEDOGLU (LSA Mathematics)
$22,404 12/07/12 - 02/01/13

Seeds
Recharge: Child Restraint Testing
LAWRENCE W SCHNEIDER (UMTRI-Biosciences)
$5,600 03/02/11 - 02/29/16

Shell Global Solutions International BV
Investigating the Kinetics of Asphaltene Precipitation from Selected Crude Oils
H SCOTT FOGLER (Chemical Engineering Dept)
$404,144 01/02/12 - 01/01/17

Sloan, Alfred P., Foundation
The National Clearinghouse on Academic Worklife Stage 2: Increasing Content and Impact
GLORIA D THOMAS (Ctr for the Education of Women)
$15,000 01/02/13 - 01/01/14
Smithsonian Institution
Modeling Quasars in the Young Universe
MARTA VOLONTERI (LSA Astronomy)
$68,000 01/02/13 - 08/01/14

Soils & Materials Engineers, Inc.
TOPR No. 21 Smoothness Criteria for Hot Mix Asphalt (HMA) Pavements
TIMOTHY J GORDON (UMTRI-Engineering Research)
$50,000 12/02/12 - 04/16/13

Stapp, John Paul, Association
2009 Stapp Car Crash Journal and Conference
LAWRENCE W SCHNEIDER (UMTRI-Biosciences)
$113,878 01/02/13 - 01/01/14

Synvasive Technology, Inc
Evaluation of a Novel Unicompartment
Hemiarthroplasty
STEVEN A GOLDSTEIN (Orthopaedic Surgery)
$12,163 06/17/12 - 06/16/13

TetraLogic Pharmaceuticals
Assessing the Cardioprotective Effects of Necrostatins
BENEDICT R LUCCHESI (Pharmacology Department)
$74,488 12/02/12 - 05/01/13

Teva Neuroscience
Immune-Glial/Neuronal Interactions and Neurodegeneration: Implications for Autoimmune Diseases of the Central Nervous System
BENJAMIN M SEGAL (Neurology Department)
$68,965 03/02/13 - 09/01/13

Texas Southern University
Generation of PPAR-alpha floxed mice
YUQING EUGENE CHEN (Int Med-Cardiology)
$20,000 08/02/12 - 04/02/13

Texas, State of
Project IDEAL State Membership: Texas
JEROME JOHNSTON (RCGD-Communication/Education)
$31,500 10/02/12 - 10/01/13

The Tobin Project
GRETA R Krippner (LSA Sociology)
$10,000 01/02/13 - 01/01/14

Therapeutics System Research Lab, Inc. (TSRL, Inc.)
Bile Acid Conjugates for Improving the Oral Bioavailability of Bisphosphonates
STEVEN A GOLDSTEIN (Orthopaedic Surgery)
$43,446 05/02/12 - 05/01/13

UES, Inc.
STTR II: Metal Oxide Nanopowders for the Production of Transparent Windows
RICHARD M Laine (Materials Science & Engin.)
$225,000 12/24/12 - 11/01/14

United Way of Genesee and Lapeer Counties
Keep Genesee County Beautiful Mapping Agreement
JONATHAN H JAROSZ (Flint Ctr/Environmental Rsch)
$1,000 01/06/13 - 03/01/13

University of California - San Francisco
Bring Simple Urge Incontinence Diagnosis and Treatment to Providers (BRIDGES)
JANIS MIRIAM MILLER (School of Nursing)
$175,873 12/19/12 - 03/01/15

University of California - Santa Barbara
Conceptual Design of the Water and Environmental Research Systems Network
ANNA MARTA MICHALAK (Civil & Environmental Engr)
$9,446 10/02/12 - 01/01/14

University of Kentucky
High-Activity of Cocaine Esterase for Drug Addiction
JAMES WOODS (Pharmacology Department)
With ROGER SUNAHARA (Pharmacology Department); JOHN TESMER (Pharmacology Department)
$121,375 08/16/12 - 07/01/13
**University of North Carolina**
Complex Patient Care Analysis  
SANDEEP VIJAN (Int Med-General Medicine)  
$40,010  10/01/12 - 09/30/13

**University of Pittsburgh**
Administrative Supplement for CTSA Consortium Project  
DANIEL J CLAUW (Mich Inst for Clin & Hlth Resr)  
With BRIAN D ATHEY (Psychiatry-ASAP); SURESH K BHAVNANI (Computational Medicine and Bio)  
$75,000  09/16/12 - 07/01/13

**University of Queensland**
Australian Research Council, Linkage- Projects Scheme 2008 collaborative Research Agreement  
TAMMY BETTINA CORNWELL (Division of Kinesiology)  
$1  11/13/12 - 04/01/14

**University Research Association**
Maximizing the Scientific Return of the Tevatron Collider  
DANTE ERIC AMIDEI (LSA Physics)  
$20,000  09/02/12 - 01/01/13

**Vanderbilt University**
UMCC 2007.126 A Feasibility Study  
Investigating Translational Science in Chemotherapy-Naive Patients with Stage IIIb or IV Non-Small Cell Lung Cancer (NSCLC) Treated with the EGFR-TKI, Erlotinib  
DAVID N REISMAN (Int Med-Hematology/Oncology)  
$144,000  12/18/12 - 01/01/17

**Various Sponsors**
Recharge: Clinical Research Assays  
DANIEL S MCCONNELL (Epidemiology Department)  
$25,127  07/02/12 - 07/01/13

**Vital Therapies, Inc. (VTI)**
Safety and Efficacy of the Extracorporeal Liver Assist Device (ELAD) in Patients with Acute on Chronic Hepatitis (AOCH)  
LENA M NAPOLITANO (General Surgery Section)  
With PAULINE K PARK (General Surgery Section); SHAWN J PELLETIER (General Surgery Section)  
$107,500  12/19/12 - 12/01/13

**Washington University**
Pharmacomechanical Catheter-directed Thrombolysis for Acute DVT -(ATTRACT) Trial VA  
VENKATARAMU N KRISHNAMURTHY (Radiology Department)  
With WILLIAM E BARRIE (Internal Medicine Department); JONATHAN L ELIASON (Vascular Surgery Section); PETER K HENKE (Vascular Surgery Section); JOHN E RECTENWALD (Vascular Surgery Section)  
$1,500  06/10/12 - 04/01/13

**Washtenaw Health Plan Corporation**
Strengthening the County Safety Net  
EMILY K MEULEMAN (SON-Community Family Hlth Ctr)  
$70,000  10/02/12 - 10/01/13