The awards detailed in this list were processed November 1, 2008 through November 30, 2008. 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>Total Awards Processed</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>(November)</td>
<td>152</td>
<td>136</td>
<td>(10.5%)</td>
<td>$78,572,718</td>
<td>$39,134,710</td>
<td>(50.2%)</td>
</tr>
<tr>
<td>Research Awards</td>
<td>115</td>
<td>82</td>
<td>(28.7%)</td>
<td>$77,014,860</td>
<td>$31,980,842</td>
<td>(58.5%)</td>
</tr>
<tr>
<td>Research Training</td>
<td>3</td>
<td>0</td>
<td>(100.0%)</td>
<td>$123,114</td>
<td>$0</td>
<td>(100.0%)</td>
</tr>
<tr>
<td>Other Sponsored Activity</td>
<td>34</td>
<td>54</td>
<td>58.8%</td>
<td>$1,434,744</td>
<td>$7,153,868</td>
<td>398.6%</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Total Awards Processed</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>Fiscal Year to Date</td>
<td>1,234</td>
<td>1,279</td>
<td>3.6%</td>
<td>$516,511,574</td>
<td>$555,782,636</td>
<td>7.6%</td>
</tr>
<tr>
<td>Research Awards</td>
<td>900</td>
<td>934</td>
<td>3.8%</td>
<td>$473,714,270</td>
<td>$499,842,489</td>
<td>5.5%</td>
</tr>
<tr>
<td>Research Training</td>
<td>71</td>
<td>48</td>
<td>(32.4%)</td>
<td>$21,075,513</td>
<td>$15,235,591</td>
<td>(27.7%)</td>
</tr>
<tr>
<td>Other Sponsored Activity</td>
<td>263</td>
<td>297</td>
<td>12.9%</td>
<td>$21,721,791</td>
<td>$40,704,556</td>
<td>87.4%</td>
</tr>
</tbody>
</table>

November 2008 award values show a decline when compared with November 2007 caused primarily by the receipt of a $54.6 million award in November 2007. No comparable size award was processed in November 2008. If this large award were eliminated from the 2007 totals the percentage change between the two months would be 63.2%.
<table>
<thead>
<tr>
<th></th>
<th>Federal</th>
<th>Other</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Expendable</td>
<td>Funds</td>
<td>Expenditures</td>
</tr>
<tr>
<td>October 2008</td>
<td>$214,476,865</td>
<td>$96,213,647</td>
<td>$310,690,512</td>
</tr>
<tr>
<td>October 2007</td>
<td>$212,962,554</td>
<td>$78,301,365</td>
<td>$291,263,919</td>
</tr>
<tr>
<td>Percent Change</td>
<td>0.7%</td>
<td>22.9%</td>
<td>6.7%</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 directory (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.

**Abbott Laboratories**
Effect of nAChR Agonists and a D3 Antagonist (in Interaction With Low Dose Clozapine Treatment) on dSAT Performance in Intact Animals and an Animal Model of the Persistent Symptoms of Schizophrenia
  MARTIN FRIEDRICH SARTER (LSA Psychology)
  $129,780  11/10/08 - 11/09/09

**ACCESS- Youth and Education (Arab Community Center for Economic and Social Services)**
Grantee Support MI AmeriCorps Partnership - 2008-10
  MARGARET E DEWAR (Community Service Learning)
  $7,200  09/01/08 - 05/31/10

**Advanced Ceramics Manufacturing, Inc**
STTR Phase I: Non-Contract Tabletop Mechanical Testing of Ultra-High Temperature Ceramics
  JOHN W HALLORAN (Materials Science & Engin.)
  $50,000  11/01/08 - 07/31/09

**American Cancer Society**
Inhibition of Monocyte Chemoattractant Protein-1 to Treat Prostate Cancer
  KENNETH J PIENTA (Int Med-Hematology/Oncology)
  $400,000  07/01/08 - 12/31/13

**American College of Cardiology**
High Resolution Endocardial Mapping of Atrial Fibrillation Sources
  JEROME KALIFA (Int Med-Cardiology)
  $78,770  04/01/08 - 06/30/09

**Ann Arbor Teen Center**
Grantee Support MI AmeriCorps Partnership - 2008-10
  MARGARET E DEWAR (Community Service Learning)
  $3,600  09/01/08 - 05/31/10

**Association of American Medical Colleges**
National Kidney Disease Surveillance (NKIDDS) Initiative
  RAJIV SARAN (Int Med-Nephrology)
  With BRENDA WILSON GILLESPIE (Ctr Statistical Consul & Res);
  VAHAKN BEDIG SHAHINIAN (Int Med-Nephrology)
  $253,828  09/30/08 - 09/29/09

**Battel Engineering, Inc**
HVPS Fabrication Support to Battel Engineering
  CHARLES J M EDMONSON JR (Space Physics Research Lab)
  $14,999  11/15/08 - 08/31/09

**Bayer Corporation**
The Effect of an Oral Contraceptive Containing Both Estrogen and Progesterone on Endothelial Function Among Premenopausal Women with Visceral Obesity
  ANJEL M VAHRATIAN (Obstetrics and Gynecology Dept)
  With VANESSA K DALTON (Obstetrics and Gynecology Dept);
  BERTRAM PITT (Int Med-Cardiology)
  $85,028  11/12/08 - 11/11/09
Blue Cross Blue Shield of Michigan  
Michigan Bariatric Quality Improvement Collaborative  
NANCY J BIRKMEYER (Surgery Department)  
With JOHN D BIRKMEYER (General Surgery Section)  
$746,666  10/01/08 - 11/30/09  

California Institute of Technology  
Lepri E/PO Supplement, SWICS and SWIMS Instruments for the Advanced Composition Explorer (ACE): Mission Operations and Data Analysis  
GEORGE GLOECKLER (Space Physics Research Lab)  
With SUSAN THERESE LEPRI (Space Physics Research Lab)  
$5,000  03/01/08 - 02/28/13  

Centocor, Inc.  
University of Michigan Biology Support for Centocor's CCL17 Program  
CORY M HOGABOAM (Pathology Department)  
With BETHANY B MOORE (Int Med-Pulm./Critical Care)  
$2,520,605  10/07/08 - 04/30/12  
Role of IL-33, soluble ST2, and ST2L in M2 Macrophage Activation and Asthma  
CORY M HOGABOAM (Pathology Department)  
$244,170  10/22/08 - 10/21/09  

Clark Park Coalition  
Grantee Support MI Americorps Partnership - 2008-10  
MARGARET E DEWAR (Community Service Learning)  
$3,600  09/01/08 - 05/31/10  

Columbia University  
Child Care and Early Education Research Connections  
MYRON P GUTMANN (ICPSR-Archival Development)  
$679,575  09/30/08 - 09/29/09  

Concerned Parents for AIDS Research  
A Search for a Viral Cause of AIDS Lymphoma  
MARK H KAPLAN (Int Med-Infectious Diseases)  
$90,000  10/01/08 - 10/31/09  

Dartmouth College  
Media Influences on Early Onset Alcohol Use  
SONYA DAL CIN (LSA Communication Studies)  
$13,938  08/10/08 - 07/31/09  

Defense, Department of-Navy, Department of the  
Blind Deconvolution Based on Generic Features of Ocean Acoustic Propagation  
DAVID R DOWLING (Mechanical Engineering)  
$160,000  01/01/09 - 12/31/10  

DePuy Orthopaedics, Inc.  
University of Michigan International Hand Surgery Fellowship Program  
KEVIN CHI CHUNG (Plastic Surgery Section)  
$70,000  08/01/08 - 07/31/09  

Detroit Area Agency on Aging  
Tools for Continuous Quality Improvement of Detroit Nursing Homes  
MARY LEWIS JAMES (Institute of Gerontology)  
With BRANT E FRIES (Institute of Gerontology)  
$74,263  10/01/08 - 09/30/09  

Duke University  
Coping Skills Training for Spinal Cord Stimulator Patients  
DAVID A WILLIAMS (Anesthesiology Department)  
With PARAG G PATIL (Neurosurgery); RANDY SCOTT ROTH (Physical Medicine & Rehab Dept)  
$179,266  09/30/08 - 08/31/09  

Duke, Doris, Charitable Foundation  
Searching for Recurrent Gene Fusions and Translocations in Common Solid Tumors  
ARUL M CHINNAIYAN (Ctr fr Translational Pathology)  
$1,500,000  01/01/09 - 12/31/13
**Education Resource Strategies**
Evaluation of Teacher Effectiveness  
BRIAN AARON JACOB (G. Ford Sch of Public Policy)  
$103,829  09/01/08 - 04/30/10

**Electric Rocket Propulsion Society**
International Electric Propulsion Conference 2009  
ALEC D GALLIMORE (Aerospace Engineering)  
$5,000  08/25/08 - 01/01/10

**EMAG Technologies, Inc.**
Antenna Design by Genetic Algorithms  
ERIC MICHELSEN (CoE EECS-Rad)  
$49,990  09/01/08 - 06/30/09

**EMCORE**  
ME 450 Mechanical Design - Fall 2008  
ALBERT J SHIH (Mechanical Engineering)  
$10,625  09/01/08 - 12/31/08

**Environmental Protection Agency**  
EPA STAR Fellowship: David Berry  
LUTGARDE M RASKIN (Civil & Environmental Engr)  
$17,000  09/01/08 - 08/31/09
Integrated Carbon Credit Programs: A Biofuels Program in Madagascar That Links The Energy, Land Use, and Transportation Sectors  
GAVIN MICHAEL SHATKIN (Urban Planning)  
$10,000  08/15/08 - 08/14/09

**EPIR, Ltd.**
Advanced High Operating Temperature Midwave Infrared Detectors  
JAMIE DEAN PHILLIPS (CoE EECS-Ssel)  
$50,000  10/15/08 - 08/23/10

**Florida, State of**
Project IDEAL State Membership: ACE of Florida  
JEROME JOHNSTON (RCGD-Communication/Education)  
$30,625  07/01/08 - 06/30/09

**Ford Motor Company**
Cost Reduction of Class "A" Injection Molded TPO Color Components  
DAVID C MARTIN (Materials Science & Engin.)  
$81,088  10/01/08 - 09/30/09

**Forest Laboratories, Inc.**
A Single-Center, Randomized, Double-Blind, Placebo-Controlled, Two-Way Crossover Study to Evaluate the Effect of Milnacipran on Pain Processing in Patients with Fibromyalgia: an fMRI Study  
DANIEL J CLAUW (Anesthesiology Department)  
With JENNIFER M GLASS (Psych Substance Abuse); DAVID A WILLIAMS (Anesthesiology Department)  
$740,138  11/10/08 - 05/30/10

**Gates, Bill and Melinda, Foundation**
Human Resources for Health: A Learning Grant for Capacity Strengthening in Ghana  
THOMAS G ROBINS (Environmental Health Sciences)  
With FRANK J ANDERSON (Obstetrics and Gynecology Dept); N CARY ENGLEBERG (Int Med-Infectious Diseases); TIMOTHY R B JOHNSON (Obstetrics and Gynecology Dept); MARGARET E KRUK (Health Management and Policy); RACHEL CAMPBELL SNOW (Hlth Behavior & Hlth Ed Dept)  
$2,967,722  11/01/08 - 11/01/10

**GE Healthcare**
Dose Reduction in CT: A Practice Quality Improvement (PQI)  
ELLA A KAZEROONI (Radiology Department)  
With JON A JACOBSON (Radiology Department); SURESH K MUKHERJI (Radiology Department); JOEL F PLATT (Radiology Department); BASKARAN SUNDARAM (Radiology Department)  
$43,826  11/01/08 - 10/31/09
Genentech, Inc.
National Cooperative Growth Study (NCGS) of Nutropin AQ, Nutropin, Protropin, and Nutropin
Children with Growth Failure Due to Chronic Renal Insufficiency (CRI) or End-Stage Renal Disease
KATHERINE LOUISE COLLINS
(Pediatrics-Nephrology)
$8,375 01/01/09 - 12/31/11

Genentech National Cooperative Growth Study (NCGS) Post Marketing Surveillance Program
(original agreement 12/31/2011)
NANCY J HOPWOOD (Pediatrics-Endocrinology)
$51,087 01/01/09 - 12/31/11

A Phase III, Multi-center, Placebo-controlled, Double-blind, Randomized Clinical Trial to Evaluate the Efficacy of Bevacizumab in Combination with Tarceva (Erlotinib) Compared with Tarceva Alone for Treatment of Advanced Non-small Cell Cancer (NSCLC) after Failure of Standard First Line Chemotherapy
DAVID N REISMAN (Int Med-Hematology/Oncology)
With GREGORY KALEMKERIAN (Int Med-Hematology/Oncology);
BRYAN J SCHNEIDER (Int Med-Hematology/Oncology)
$1,500 05/01/06 - 12/31/09

General Motors Corporation
NSF - Engineering Research Center for Reconfigurable Manufacturing Systems
YORAM KOREN (CoE Research Center)
$300,000 08/01/07 - 07/31/09

Genesee County
Genesee County REACH U.S.
DANIEL JAMES KRUGER (Hlth Behavior & Hlth Ed Dept)
$28,142 10/01/08 - 01/31/09

GESIS-ZUMA
Program for the International Assessment of Adult Competencies
BETH-ELLEN PENNELL (Survey Research Organization)
$20,949 11/01/08 - 01/31/09

MC3 Conference-Non Salary Conference Expenses
BETH-ELLEN PENNELL (Survey Research Organization)
$10,034 09/01/07 - 08/31/08

Gethsemane Missionary Baptist Church
Grantee Support MI AmeriCorps Partnership - 2008-10
MARGARET E DEWAR (Community Service Learning)
$5,790 09/01/08 - 05/31/10

Gilead Sciences, Inc.
A Double-blind, Multicenter, Multinational, Randomized, Placebo-Controlled Trial Evaluating Aztreonam, Placebo for Inhalation in Patients with Cystic Fibrosis, Mild Lung Disease and P. Aeruginosa (AIR-CF4)
SAMYA Z NASR (Pediatrics-Pulmonary Medicine)
With MANUEL ARTETA (Pediatrics-Pulmonary Medicine); AMY G FILBRUN (Pediatrics-Pulmonary Medicine); MARC B HERSHENSON (Pediatrics-Pulmonary Medicine); TOBY C LEWIS (Pediatrics-Pulmonary Medicine); WAN CHONG TSAI (Pediatrics-Pulmonary Medicine)
$31,620 10/10/08 - 10/09/09

Greening of Detroit
Grantee Support MI AmeriCorps Partnership - 2008-10
MARGARET E DEWAR (Community Service Learning)
$16,590 09/01/08 - 05/31/10

Health and Human Services, Department of Food and Drug Administration
Vector Core Expendable Restricted Fund
Recharge Account - External FEDERAL Source: FDA
BLAKE J ROESSLER (Center for Gene Therapy)
With THOMAS M LANIGAN (Center for Gene Therapy)
$19,500 01/01/09 - 12/31/11
Health and Human Services, Department of-
National Institutes of Health
Chemistry and Biology of Bacterial
Sulfonucleotide Reductases
   KATE S CARROLL (Life Sciences
   Institute-Admin)
   $1,294,245  12/01/08 - 11/30/13
Ion Conductances in the Retinal Pigment
Epithelium
   BRET A HUGHES (Ophthalmology &
   Visual Science)
   $1,931,250  12/01/08 - 11/30/13
Regulation of Nuclear Receptor Function Through
SUMO Modification
   JORGE A INIGUEZ-LLUHI
   (Pharmacology Department)
   With ROBERT S FULLER
   (Biological Chemistry Dept)
   $77,250  09/20/08 - 08/31/09
Optimization of Biomolecular Fluorescence
Complementation Probes for New Imaging
Functions
   TOM K W KERPPOLA (Biological
   Chemistry Dept)
   With TZVI TZFIRA (LSA
   Molec./Cell./Develop. Bio)
   $2,735,497  09/30/08 - 07/31/12
DSP-PP Precursor Protein Processing
HELENA H RITCHIE (Cariology,Restor
Sci & Endo)
   With ROBERT S FULLER
   (Biological Chemistry Dept)
   $1,374,314  12/01/08 - 11/30/12
Vector Core Expendable Restricted Fund
Recharge Account - External FEDERAL Source:
NIH
   BLAKE J ROESSLER (Center for Gene
   Therapy)
   With THOMAS M LANIGAN (Center
   for Gene Therapy)
   $19,500  01/01/09 - 12/31/11
Emerging Disparities in Chronic Disease Risk
Among Young Adults
   NARAYAN SASTRY (Pop Studies-
   Research)
   With GEORGE A KAPLAN
   (Epidemiology Department)
   $1,519,659  12/01/08 - 10/31/13

Hope Foundation, The
Strope SWOG Uro-Oncology Fellowship
   DAVID P WOOD JR (Urology Surgery)
   $50,000  11/01/08 - 12/31/09

Hunter College, CUNY (City University of New
York)
Under the Skin: Understanding the Role of Stress
and Immune Function in Health Disparities
   ALLISON ELIZABETH AIELLO
   (Epidemiology Department)
   With MARY N HAAN (Epidemiology
   Department); GEORGE A KAPLAN
   (Epidemiology Department)
   $84,338  09/22/08 - 06/30/09

INC Research, Inc
An Open-Label Multicenter Extension Study to
Determine Long Term Safety and Efficacy of
Pregabalin (Lyrica) as Monotherapy in Patients
with Partial Seizures Protocol A0081160
   DANIELA N MINECAN (Neurology
   Department)
   $29,163  12/01/08 - 05/31/11

Ingham, County of
Title XV Breast and Cervical Cancer Control
Program
   EMILY K MEULEMAN (SON-(Div II)
   Division of Hlth)
   $9,500  10/01/08 - 09/30/09

International Truck and Engine Corporation
(NAVISTAR)
Evaluation of Health Management Initiatives
   DEE W EDINGTON (Health
   Management Research Ctr)
   $40,000  11/01/08 - 10/31/09

J. Howard Enterprises Ltd
Harley Barge in Tow
   GUY A MEADOWS (Naval Arch &
   Marine Dept)
   $8,500  08/04/08 - 12/04/08
Jet Propulsion Laboratory
Interdisciplinary Scientist (IDS) for the Cassini Interdisciplinary Magnetosphere and Plasma Investigation: MO & DA Efforts, Extended Mission

TAMAS I GOMBOSI (Space Physics Research Lab)
With KENNETH CALVIN HANSEN (Space Physics Research Lab)
$1,135,432 11/10/08 - 09/30/10

Johnson, Robert Wood, Foundation
Youth, Education, and Society (YES) Study
LLOYD D JOHNSTON (SRC-Studies of Youth)
With JERALD G BACHMAN (SRC-Studies of Youth); PHILIPPA J CLARKE (SRC-Seh-House); JORGE DELVA (SRC-Studies of Youth); PATRICK M O’MALLEY (SRC-Studies of Youth); JOHN E SCHULENBERG (SRC-Studies of Youth)
$7,676,077 11/15/08 - 11/14/12

Klingenstein Third Generation Foundation
Improving Patterns of Physical Activity and Sleep in Youth with Depression
CHERYL A KING (Psychiatry Child Services)
$60,000 07/01/07 - 06/30/09

Lilly Research Laboratories-Elanco Products Company
Safety and Efficacy as Monotherapy and Adjunctive Therapy to Oral Antidiabetic Agents in Adolescents with Type 2 Diabetes
JOSEPHINE Z KASA-VUBU (Pediatrics-Endocrinology)
$65,701 11/01/08 - 10/31/09

Lilly, Eli, and Company
2008.062: Pilot Prospective Clinical Trial Evaluating the Use of Duloxetine for Treatment of Aromatase Inhibitor-Associated Musculoskeletal Symptoms in Breast Cancer Patients
NORAH LYNN HENRY (Int Med-Hematology/Oncology)
$93,229 11/01/08 - 04/30/10

INCREMENTAL 2006.113 - A Randomized Phase 3 Study of Pemetrexed in Combination with Cisplatin Versus Cisplatin Monotherapy in Patients with Recurrent or Metastatic Head and Neck Cancer
SUSAN URBA (Int Med-Hematology/Oncology)
$1,200 09/01/08 - 10/31/09

Lockheed Martin Corporation
Simulations with Near-Field Plates
ROBERTO D MERLIN (LSA Physics)
$25,000 11/06/08 - 12/15/08

Loeb, Frederick and Stella, Charitable Trust
Ready to Learn Program
JENNIFER BETH WHITE (Michigan Television)
$5,000 04/01/08 - 03/31/09

Lycera Inc.
Studies of Small Molecules that Interact with Novel Targets
GARY D GLICK (LSA Chemistry)
$463,500 11/01/08 - 10/31/11

Matrix Theatre Company
Grantee Support MI AmeriCorps Partnership - 2008-10
MARGARET E DEWAR (Community Service Learning)
$3,600 09/01/08 - 05/31/10

Medical College of Georgia
Recharge: Clinical Research Assays
DANIEL S MCCONNELL (Epidemiology Department)
$612 07/01/08 - 06/30/09

Michigan Campus Compact
Campus Engagement Fellows
KRISTINE DAY (Dbn Student Activities)
$2,000 09/01/08 - 08/31/09

Martin Luther King Challenge
JONATHAN LARSON (Dbn Student Activities)
$500 11/15/08 - 01/31/09

Life-Stories
MACKLIN SMITH (LSA English Language & Lit.)
$1,842 09/01/08 - 08/31/09
Michigan Humanities Council
Picturing Your Community in America Partnership
JENNIFER BETH WHITE (Michigan Television)
$43,900 11/01/08 - 08/30/09
Michigan Media Partnership for Radio and Television
JENNIFER BETH WHITE (Michigan Television)
$75,000 10/01/08 - 09/30/09

Michigan Primary Care Association
Continuation of Funding: Clinical Child & Adolescent Health Center (CAHC) Program
UMH RAHS @ Scarlett and East Middle Schools
SHARON A REDMER (UMH RAHS Scarlett MiddleSchool)
With JENNIFER A SALERNO (UMH RAHS Scarlett MiddleSchool)
$175,000 10/01/08 - 09/30/09

Michigan Public Health Institute
"SWIM" Mini Grant
CHRISTIN M CARTHAGE (UMH MSS/ISS)
$1,404 03/01/08 - 07/31/08
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)
$22,174 09/01/08 - 08/31/09

Michigan State University
Development of New Technologies Needed for Studying the Human Microbiome
VINCENT BENSAN YOUNG (Int Med-Infectious Diseases)
$131,425 09/23/08 - 07/31/09

Michigan, State of, Community Health, Department of
Integrated Care for Medicaid Consumers with Behavioral Health Care Needs
DAVID LEE NEAL (Psychiatry Department)
$1,163,599 10/01/08 - 09/30/09

Michigan, State of, Education, Department of
Michigan School Readiness Program 2008-09:
Child Development Center
MARY L TREPANIER-STREET (Dbn School of Education)
$61,200 10/01/08 - 09/30/09

Michigan, State of, Management and Budget, Department of
Michigan Business: Surviving to Thriving (MB:S2T)
LAWRENCE ALYN MOLNAR (IRLEE)
$3,810,000 10/01/08 - 09/30/11

Michigan, State of, Michigan Council for Arts and Cultural Affairs
Outreach in UMMAs FY09 Season
JAMES C STEWARD (Museum of Art)
$31,900 10/01/08 - 06/30/09

Mosaic Youth Theatre of Detroit
Grantee Support MI AmeriCorps Partnership - 2008-10
MARGARET E DEWAR (Community Service Learning)
$2,190 09/01/08 - 05/31/10

MPI Research
Histological Service for MPI Research, Inc., Studies 147-003, 1527-001, 1562-001, MPI-1631-001, MPI-813-014
RICHARD A ALTSCHULER (Kresge Hearing Research Inst)
$145,127 07/01/07 - 09/30/10

National Aeronautics and Space Administration
Probing the Star-Disk Connection: A Multi-Faceted Investigation with Interferometry, Spectroscopy and Modeling
JOHN D MONNIER (LSA Astronomy)
$399,000 01/01/09 - 12/31/11

National Childhood Cancer Foundation
Children's Oncology Group Phase I/Pilot Consortium - 2008/2009
RAJEN J MODY (Pediatrics-Hematology/Oncology)
$26,266 08/01/08 - 07/31/09
National Geographic Society
Eocene Whales and Sea Cows of Siwa Oasis, Western Desert of Egypt
PHILIP D GINGERICH (LSA Paleontology Museum)
$12,500 01/01/09 - 06/30/10

National Science Foundation
Doctoral Dissertation Improvement Grant:
Making and Unmaking Polish Persons: Aging and Memory in Postsocialist Poland
GILLIAN FEELEY-HARNIK (LSA Anthropology)
$8,800 12/01/08 - 05/31/10

IPA Agreement for Yogesh Gianchandani
YOGESH B GIANCHANDANI (COE EECS - ECE - SSEL)
$4,284 09/01/08 - 04/16/09

Nissan Chemical Industries, Ltd
Evaluation of Imprinted Polymer Nanostructures for Liquid Crystal Alignment Application
L JAY GUO (COE EECS - ECE - SSEL)
$56,803 01/01/09 - 06/30/09

Nissan Technical Center, North America
Vibration Transmission from Road Surface Features - Vehicle Measurement and Detection - Phase 3
TIMOTHY J GORDON (UMTRI-Engineering Research)
$55,000 06/15/08 - 03/31/09

Novartis
A Multicenter, Randomized, Blinded Study to Assess Safety and Efficacy of Pasireotide LAR vs. Octreotide LAR in Patients with Active Acromegaly
ARIEL L BARKAN (Metabolism, Endo & Diabetes)
$162,742 10/01/08 - 07/26/10

OSI Pharmaceuticals, Inc.
Time-Dependent Inhibition of Human Cytochrome P450s
PAUL F HOLLENBERG (Pharmacology Department)
$25,000 08/14/07 - 04/01/09

Our Lady of Guadalupe Middle School For Girls
Grantee Support MI AmeriCorps Partnership - 2008-10
MARGARET E DEWAR (Community Service Learning)
$3,600 09/01/08 - 05/31/10

Pan American Health Organization
Translating 'Measuring Health Disparities' into Spanish and Portuguese
SHARON REILLY KARDIA (Epidemiology Department)
$67,795 07/01/08 - 02/27/09

Peking University
Chinese Family Panel Studies
YU XIE (Survey Research Organization)
$16,114 09/01/08 - 03/31/09

Pennsylvania State University
Statistical Methods for the Functional Genomic Data
JEREMY M G TAYLOR (Biostatistics Department)
$59,636 09/01/08 - 08/31/09

Plastic Surgery Educational Foundation
Quantitative Analysis of Radiation Induced Injury to the Mandible
STEVEN R BUCHMAN (Plastic Surgery Section)
$5,000 10/13/08 - 06/30/09

Raytheon Company
AAVT IR&D Adaptive Control Algorithm Development and Technical Support
DENNIS S BERNSTEIN (Aerospace Engineering)
$29,881 09/01/08 - 12/31/08

Online Computer Library Center, Inc.
OALister Transfer Initiative
JOHN PRICE WILKin (University Library)
$44,000 11/01/08 - 06/30/09

Orbit Baby, Inc
Recharge: Child Restraint Testing
LAWRENCE W SCHNEIDER (UMTRI-Biosciences)
$3,010 03/01/07 - 02/28/12
Renal Research Institute, LLC
VF Doppler: Prototype Development of Compact Wireless Implementation for Planned Use in Upcoming Single Center Prospective Study of the Natural History of Dialysis Access Flow
WILLIAM F WEITZEL III (Int Med-Nephrology)
$35,000 10/01/08 - 07/31/09

Restaurant Opportunities Center United Inc
Grantee Support MI AmeriCorps Partnership - 2008-10
MARGARET E DEWAR (Community Service Learning)
$1,375 09/01/08 - 05/31/10

Sage, Russell, Foundation
An Empirical Investigation of the Demand for Prevention: An Analysis of Cervical Cancer Screening
PAULA M LANTZ (Health Management and Policy)
$5,000 06/30/08 - 08/31/09

Sandia National Laboratories
Ionization Dynamics of Wire Z-Pinches
RONALD M GILGENBACH (Nuclear Eng & Radiological Sci)
With YUE YING LAU (Nuclear Eng & Radiological Sci)
$40,000 11/01/08 - 10/31/09

Sarcoma Alliance for Research Through Collaboration (SARC)
Database Management Services for SARC005 (II)
 DANIEL J CLAUW (Mich Inst for Clin & Hlth Resr)
$9,553 02/01/09 - 01/31/10

Signal Pharmaceuticals
Effect of CC930 on Lung Fibrosis in an Adoptive Transfer Model of Pulmonary Fibrosis
CORY M HOGABOAM (Pathology Department)
$152,219 12/01/07 - 12/16/09

Southeastern Michigan Health Association
Grantee Support MI Americorps Partnership - 2008-10
MARGARET E DEWAR (Community Service Learning)
$7,200 09/01/08 - 05/31/10

Spencer Foundation
The Impact of Meta-Cognitive Strategies within Writing in the Disciplines: Experiments to Improve Writing and Critical Thinking
ANNE RUGGLES GERE (LSA Sweetland Writing Center)
With MATTHEW L KAPLAN (Ctr for Res on Learn & Teach)
$45,000 07/01/08 - 06/30/11

Stanford University
Fellowship at the Center for Advanced Study in the Behavioral Sciences (CASBS)
SHINOBU KITAYAMA (LSA Psychology)
$28,674 09/02/08 - 08/07/09
Structure and Dynamics of Beta 2 Andrenoceptor Coupling to Gs
ROGER K SUNAHARA (Pharmacology Department)
$179,590 05/01/08 - 02/28/09

Stiefel Laboratories
Activity of Coffeeberry on Human Skin
GARY J FISHER (Dermatology Department)
With MANDY HARTING (Dermatology Department); DANA LYNN SACHS (Dermatology Department)
$79,800 11/01/08 - 10/31/09

The Feinstein Institute for Medical Research
ACE Year 6 -The IL-12p40 Family of Monokines in Secondary Progressive MS
BENJAMIN M SEGAL (Neurology Department)
With SINAE KIM (Biostatistics Department)
$191,520 04/01/08 - 03/31/09

The Sakai Foundation
UM Support to the Sakai Community - Extension to 6/30/09
CHARLES R SEVERANCE (Digital Media Commons)
$156,261 01/01/09 - 06/30/09
<table>
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<th>Institution</th>
<th>Project Description</th>
<th>Principal Investigator</th>
<th>Budget</th>
<th>Start Date</th>
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<td>Toyota Motor Company, Ltd.</td>
<td>Robust Solar Concentrator System for Hydrogen Production</td>
<td>KAZUHIRO SAITOU (Mechanical Engineering)</td>
<td>$100,000</td>
<td>11/03/08</td>
<td>11/02/09</td>
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<td>Toyota Motor North America, Inc.</td>
<td>Feasibility Study of Multi-Channel MEMS Microphone Arrays</td>
<td>KARL GROSH (Mechanical Engineering)</td>
<td>$30,000</td>
<td>11/03/08</td>
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<td>Tulane University</td>
<td>Development and Use of Genetic Methods for Assessing Aquatic Environmental Condition and Recruitment Dynamics of Native Stream Fishes on Pacific Islands</td>
<td>PETER B MCINTYRE (Sch of Nat Resources &amp; Environ)</td>
<td>$21,943</td>
<td>09/23/08</td>
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<td>University of California - San Francisco</td>
<td>Molecular Basis of Endothelial Remodeling by Flow</td>
<td>JUN-LIN GUAN (Int Med-Molecular Med&amp;Genetics)</td>
<td>$100,005</td>
<td>08/01/08</td>
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<td>University of Iowa</td>
<td>Long-term Safety and Genetic Risk Factors of Risperidone Treatment in Youth</td>
<td>VICKI LYNN ELLINGROD (College of Pharmacy)</td>
<td>$29,678</td>
<td>08/01/08</td>
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<td>University of Iowa</td>
<td>The Effects of Acute Events on ADL Trajectories of Nursing Home Residents</td>
<td>JANE C BANASZAK-HOLL (Health Management and Policy)</td>
<td>$14,829</td>
<td>08/01/08</td>
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<td>University of North Carolina</td>
<td>Infant Study of Inhaled Saline (ISIS)</td>
<td>AMY G FILBRUN (Pediatrics-Pulmonary Medicine)</td>
<td>$151,132</td>
<td>01/01/08</td>
<td>09/30/08</td>
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<td>University of Pittsburgh</td>
<td>Validation of Ubiquilin 1 and Candidate Serum Autoantibodies Using a Phage Epitope Microarray and Multiplexed Immunobead Based Technologies for the Diagnosis of Lung Cancer</td>
<td>DAVID G BEER (Thoracic Surgery Section)</td>
<td>$65,757</td>
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<td>University of Texas</td>
<td>Sequenced Treatment Alternatives to Relieve Depression (STAR*D)</td>
<td>ELIZABETH A YOUNG (Molecular &amp; Behav Neurosc Inst)</td>
<td>$5,253</td>
<td>09/29/08</td>
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Vector Core Expendable Restricted Fund
Recharge Account - External Sources
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DAVID M WILLIAMS (Radiology Department)
  With KYUNG J CHO (Radiology Department); WOJCIECH B CWIKIEL (Radiology Department); JEFFREY S DESMOND (Emergency Medicine Admin); JAMES B FROEHliche (Internal Medicine Department); JOSEPH J GEMMETE (Radiology Department); PETER K HENKE (Vascular Surgery Section); VENKATARAMU N KRISHNAMURTHY (Radiology Department); PAULA M NOVELLI (Radiology Department); JOHN E RECTENWALD (Vascular Surgery Section); JAMES SHIELDS (Radiology Department); THOMAS W WAKEFIELD (Vascular Surgery Section)
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ROBERT A KOEPPE (Radiology-Nuclear Medicine)
  $127,270  09/15/08 - 06/30/09

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  $10,520  10/01/08 - 06/30/09

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JOSEPH R CUSTER (Pediatrics-Intensive Care)
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ME 450 Mechanical Design - Fall 2008
ALBERT J SHIH (Mechanical Engineering)
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