The awards detailed in this list were processed December 1, 2008 through December 31, 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>Category</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</td>
<td>192</td>
<td>147</td>
<td>(23.4%)</td>
<td>$37,931,306</td>
<td>$36,280,343</td>
<td>(4.4%)</td>
</tr>
<tr>
<td>Research Awards</td>
<td>136</td>
<td>106</td>
<td>(22.1%)</td>
<td>$33,648,602</td>
<td>$33,821,571</td>
<td>0.5%</td>
</tr>
<tr>
<td>Research Training</td>
<td>5</td>
<td>3</td>
<td>(40.0%)</td>
<td>$288,689</td>
<td>$479,957</td>
<td>66.3%</td>
</tr>
<tr>
<td>Other Sponsored Activity</td>
<td>51</td>
<td>38</td>
<td>(25.5%)</td>
<td>$3,994,015</td>
<td>$1,978,815</td>
<td>(50.5%)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Category</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</td>
<td>1,426</td>
<td>1,426</td>
<td>0.0%</td>
<td>$554,442,880</td>
<td>$592,062,979</td>
<td>6.8%</td>
</tr>
<tr>
<td>Research Awards</td>
<td>1,036</td>
<td>1,040</td>
<td>0.4%</td>
<td>$507,362,872</td>
<td>$533,664,060</td>
<td>5.2%</td>
</tr>
<tr>
<td>Research Training</td>
<td>76</td>
<td>51</td>
<td>(32.9%)</td>
<td>$21,364,202</td>
<td>$15,715,548</td>
<td>(26.4%)</td>
</tr>
<tr>
<td>Other Sponsored Activity</td>
<td>314</td>
<td>335</td>
<td>6.7%</td>
<td>$25,715,806</td>
<td>$42,683,371</td>
<td>66.0%</td>
</tr>
</tbody>
</table>

December is typically a less active month because of the University holiday closing. While there are fewer number of awards processed in December 2008 when compared with December 2007, the expected decline in dollar values was not as severe because there were a greater number of $1.0 million awards processed.
### RESEARCH EXPENDITURES

<table>
<thead>
<tr>
<th></th>
<th>Federal Expendable Restricted</th>
<th>Other Funds</th>
<th>Total Expenditures</th>
</tr>
</thead>
<tbody>
<tr>
<td>November 2008</td>
<td>$261,605,363</td>
<td>$114,331,805</td>
<td>$375,937,168</td>
</tr>
<tr>
<td>November 2007</td>
<td>$260,013,593</td>
<td>$96,537,070</td>
<td>$356,550,663</td>
</tr>
<tr>
<td>Percent Change</td>
<td>0.6%</td>
<td>18.4%</td>
<td>5.4%</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 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.

**3M (Minnesota Mining and Manufacturing) Foundation**
Engineering Student Retention Initiative
ANTHONY W ENGLAND (CoE Multicultural Engin Pgm Of)
With DERRICK E SCOTT (CoE Multicultural Engin Pgm Of)
$190,965 09/01/08 - 08/31/09

**Actelion**
Effects of Combination of Bosentan and Sildenafil Versus Sildenafil Monotherapy on Morbidity and Mortality in Symptomatic Patients with Pulmonary Arterial Hypertension: A Multicenter, Double-Blind, Randomized, Placebo-controlled, Parallel Group, Prospective, Event Driven Phase IV Study
MELVYN RUBENFIRE (Int Med Cardiology)
$12,000 01/01/09 - 12/31/10

**Albany Engineered Composites, Inc.**
Specimen Size and Shape Effects in Split Hopkinson Bar Testing of 3D Textile Composites
ANTHONY M WAAS (Aerospace Engineering)
$60,000 11/15/08 - 09/14/09

**Alion Science and Technology**
Supplement: Multi-modal Information Exchange and Dynamic Adaptation 2006
NADINE BARBARA SARTER (Center for Ergonomics)
$57,966 10/01/08 - 12/15/08

**American Cancer Society**
Targeting TGF-beta Mediated Tumor-Stromal Interactions in Lung Cancer
VENKATESHWAR KESHAMOUNI (Int Med-Pulm./Critical Care)
$720,000 01/01/09 - 12/31/12

**American Chemical Society**
Flow Behavior of Dilute Polymer Aggregates
MICHAEL J SOLOMON (Chemical Engineering Dept)
$100,000 01/01/09 - 08/31/11

**American Heart Association, Inc.**
Role of Ceramide-1 Phosphate/Ceramide Kinase in Regulation of Calcium Signaling During Phagocytosis and Inflammation
VANIA HINKOVSKA-GALCHEVA (Pediatrics-Intensive Care)
With THOMAS PATRICK SHANLEY (Pediatrics-Intensive Care)
$308,000 01/01/09 - 12/31/12

**American Heart Association, Midwest Affiliate**
Hormonal Regulation of Glycogen Metabolism by Carbohydrate Binding Module Containing Proteins
ALAN R SALTIEL (Life Sciences Institute-Admin)
$308,000 01/01/09 - 12/31/12

**American Heart Association, Midwest Affiliate**
Regulation of Kv1.5 via Redox-Mediated Posttranslational Modification
JEFFREY RANDALL MARTENS (Pharmacology Department)
$52,000 01/01/09 - 12/31/10

**Amgen, Inc.**
Research Proposal for Evaluating 13E9 and C8.6 Monoclonal Antibodies in the Human Skin Tissue
JAMES VARANI (Pathology Department)
$168,096 01/25/07 - 12/09/09
<table>
<thead>
<tr>
<th><strong>Ann Arbor Public Schools</strong></th>
<th><strong>Center for the Advancement of Health</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Enabling Adolescents in Culturally Diverse Environments to Peacefully Resolve Ethnic Group Conflicts</td>
<td>Kellogg Health Scholars Program, Community Disparities Track</td>
</tr>
<tr>
<td>CHARLES D GARVIN (School of Social Work)</td>
<td>RICHARD L LICHTENSTEIN (Health Management and Policy)</td>
</tr>
<tr>
<td>With HENRY O MEARES (School of Social Work); MICHAEL SPENCER (School of Social Work)</td>
<td>With BARBARA ANNE ISRAEL (Hlth Behavior &amp; Hlth Ed Dept)</td>
</tr>
<tr>
<td>$4,892 09/01/08 - 08/31/09</td>
<td>$376,000 07/01/08 - 12/31/10</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Aperio Technologies, Inc.</strong></th>
<th><strong>Centocor, Inc.</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>DANIEL W VISSCHER (Pathology Department)</td>
<td>KENNETH J PIENTA (Univ of Mich Cancer Center)</td>
</tr>
<tr>
<td>With LAKSHMI P KUNJU (Pathology Department)</td>
<td>$10,000 12/09/08 - 12/08/09</td>
</tr>
<tr>
<td>$23,820 11/11/08 - 03/11/09</td>
<td>Investigation of Biomarkers in Response to CCL2</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Area Agency on Aging - Michigan</strong></th>
<th><strong>Columbia University</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Counseling Services-AAA 1-B DSP</td>
<td>High-Use Alcohol Venues: Tourism, Sex Work and HIV in the Dominican Republic</td>
</tr>
<tr>
<td>DARLENE KNAPP RACZ (Geriatrics Social Work)</td>
<td>MARK B PADILLA (Hlth Behavior &amp; Hlth Ed Dept)</td>
</tr>
<tr>
<td>$2,000 09/01/08 - 08/31/10</td>
<td>$84,442 09/01/08 - 08/31/09</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>AT Sciences</strong></th>
<th><strong>Community Foundation for Southeastern Michigan</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Integrating Instrumentation With Context-Sensitive Task Guidance</td>
<td>Detroit Center for Family Advocacy: An Innovative Model to Reduce the Number of Children in Foster Care</td>
</tr>
<tr>
<td>NED L KIRSCHER (Physical Medicine &amp; Rehab Dept)</td>
<td>DONALD N DUQUETTE (Law School)</td>
</tr>
<tr>
<td>$5,967 07/15/08 - 03/14/09</td>
<td>With VIVEK S SANKARAN (Law School); FRANK E VANDERVORT (Law School)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Battelle</strong></th>
<th><strong>Community Foundation of Greater Flint</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Sum Frequency Generation Vibrational Spectroscopy (SFG) Studies of Peptide Conformations at Surfaces - MODIFICATION</td>
<td>Third Annual Civic Skills Conference</td>
</tr>
<tr>
<td>ZHAN CHEN (LSA Chemistry)</td>
<td>RENEE COOLEN ZIENTEK (Flint University Outreach)</td>
</tr>
<tr>
<td>$24,543 03/01/08 - 02/28/10</td>
<td>$8,000 11/10/08 - 01/21/09</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Bausch &amp; Lomb Inc.</strong></th>
<th><strong>Community Foundation of Greater Flint</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Sum Frequency Generation (SFG) Spectroscopy of Fs-Laser Machined Hydrogels</td>
<td>Third Annual Civic Skills Conference</td>
</tr>
<tr>
<td>ZHAN CHEN (LSA Chemistry)</td>
<td>RENEE COOLEN ZIENTEK (Flint University Outreach)</td>
</tr>
<tr>
<td>$9,828 10/01/08 - 03/31/09</td>
<td>$8,000 11/10/08 - 01/21/09</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th><strong>Blaze Medical Devices, LLC</strong></th>
<th><strong>Community Foundation of Greater Flint</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>BME 450 - Winter 2009</td>
<td>Third Annual Civic Skills Conference</td>
</tr>
<tr>
<td>DOUGLAS C NOLL (Biomedical Engineering)</td>
<td>RENEE COOLEN ZIENTEK (Flint University Outreach)</td>
</tr>
<tr>
<td>$800 01/01/08 - 05/31/09</td>
<td>$8,000 11/10/08 - 01/21/09</td>
</tr>
</tbody>
</table>
Council on Library and Information Resources
Collaboration in Cataloging: Islamic Manuscripts at Michigan
JONATHAN H RODGERS (University Library)
$225,931 01/01/09 - 12/31/11

CVR Global, Inc.
CardioVascular Resonator
DEVIN L BROWN (Neurology Department)
With JAYAPALLI RAJIV BAPURAJ (Radiology Department)
$231,253 12/12/08 - 12/11/09

Dana, Charles A., Foundation
Linking Innate Immune Responses in the CNS to Glutamate-Mediated Excitotoxicity: Studies in Acute Alphavirus Encephalomyelitis in Mice
DAVID N IRANI (Neurology Department)
$36,380 07/01/08 - 06/30/09

Defense, Department of-Air Force, Department of the
Relativistic Magnetron Priming Experiments and Theory
RONALD M GILGENBACH (Nuclear Eng & Radiological Sci)
With YUE YING LAU (Nuclear Eng & Radiological Sci)
$30,000 08/01/08 - 10/31/08

Control Science Collaborative Center - Request for Additional Sub-Task: C2UAV Human Supervisory Control Extension
ANOUCK RENEE GIRARD (Aerospace Engineering)
$74,950 01/01/09 - 12/31/09

Intergovernmental Personnel Act (IPA)
Assignment at AFRL (extension)
YUE YING LAU (Nuclear Eng & Radiological Sci)
$58,775 11/17/08 - 09/30/09

Defense, Department of-Army, Department of the
Inverted Organic Photovoltaic Cells on Lightweight, and Flexible Metal Foil Substrates
STEPHEN R FORREST (COE EECS - ECE - SSEL)
$147,535 12/10/08 - 12/09/09

Defense, Department of-Navy, Department of the
High-Temperature Spintronic Devices and Circuits in Absence of Magnetic Field
PALLAB K BHATTACHARYA (COE EECS - ECE - SSEL)
$535,334 10/01/08 - 12/31/11

Duke University
American College of Surgeons Oncology Group - Chair of the Constitution and Bylaws Committee
GERARD M DOHERTY (General Surgery Section)
$6,500 12/01/08 - 11/30/09

Energy Foundation, The
Life Cycle Optimization for Residential Air Conditioning Replacement
GREGORY A KEOLEIAN (Sch of Nat Resources & Environ)
$55,000 12/01/08 - 11/30/09

Focus: Hope
Process Development and Metallurgical Characterization for Repair, Restoration, Reconfiguration, Reconstruction (R) of Navy Components by Direct Metal Deposition (DMD), Laser Micromachining
JYOTIRMOY MAZUMDER (CoE Claims Lab)
$262,386 10/01/08 - 09/30/09

Ford Motor Company
Human Motion Simulation (HUMOSIM) Laboratory Support
MATTHEW PAUL REED (Center for Ergonomics)
$100,000 01/01/08 - 12/31/08

Foundation Fighting Blindness, Inc., The
Assessment of Therapies
JOHN R HECKENLIVELY (Ophthalmology & Visual Science)
$36,940 09/01/08 - 08/31/09

Small Molecular Interventions
DEBRA A THOMPSON (Ophthalmology & Visual Science)
$41,430 09/01/08 - 08/31/09

Transplantation of Photoreceptor Precursors
DAVID N ZACKS (Ophthalmology & Visual Science)
$46,530 09/01/08 - 08/31/09
Genentech, Inc.
Funding for Rheumatology Trainees to Present Data at Meetings
   ALISA E KOCH (Int Med-Rheumatology)
   $7,500  10/24/08 - 10/23/09

General Motors Corporation
The Formulation of Nanofluids for Minimum Quantity Lubrication
   ALBERT J SHIH (CoE Wu Mfg Research Center)
   $4,410  11/01/08 - 02/28/09

GlaxoSmithKline (GSK)
Research Collaborative Agreement
   GONCALO ABECASIS (Biostatistics Department)
      With MICHAEL LEE BOEHNKE (Biostatistics Department); CATHARINE A SPINO (Biostatistics Department)
   $2,077,029  12/01/08 - 11/30/11

Gore, W. L., & Associates, Inc.
Patient Population Assessment
   KIM ALLEN EAGLE (Int Med-Cardiology)
   $5,000  04/01/08 - 03/31/09

Harvard University
Creation and Dissemination of Upper-Elementary Mathematics Assessment Modules
   ROBIN TEPPER JACOB (Education and Well Being)
   $816,598  05/01/09 - 04/30/12

Inference Based on Higher Order Influence Functions
   SUSAN A MURPHY (SRC-Quantitative Methods)
   $23,339  09/01/08 - 02/28/09

Health and Human Services, Department of National Institutes of Health
Proteolytic Modulation of Toxoplasma Invasion Proteins
   VERNON BRUCE CARRUTHERS (Microbiology and Immunology)
   $1,899,560  12/01/08 - 11/30/13

Immune Regulation by Thymocyte-Selected CD4 T Cells
   CHEONG-HEE CHANG (Microbiology and Immunology)
   $1,689,298  01/01/09 - 12/31/13

CRP Biology and Vascular Disease
   YUQING EUGENE CHEN (Int Med-Cardiology)
   $1,842,619  12/01/08 - 11/30/13

Michigan Hepatotoxicity Clinical Research Network
   ROBERT JOHN FONTANA (Int Med-Gastroenterology)
   $212,500  09/01/08 - 06/30/13

Cytokine Phenotypes Alter the Host's Response During Chronic Lung Inflammation
   STEVE L KUNKEL (Pathology Department)
      With CORY M HOGABOAM (Pathology Department)
   $1,906,845  12/01/08 - 11/30/13

Molecular Imaging of Chemokine Receptor Signaling
   GARY D LUKER (Radiology Department)
      With KATHRYN E LUKER (Radiology Department)
   $1,503,610  01/01/09 - 12/31/13

TLR9 Activation and Fibrotic Responses in Alveolar Epithelial Cells
   BETHANY B MOORE (Int Med-Pulm./Critical Care)
   $668,560  12/01/08 - 11/30/13
Interactions and Mechanisms of Function of the TAP Complex
MALINI RAGHAVAN (Microbiology and Immunology)
With IRINA D POGOZHEVA (College of Pharmacy); SYED MONEM RIZVI (Microbiology and Immunology)
$1,705,540 01/01/09 - 12/31/13
Structural Studies on Membrane-Associated Cytochrome b5 and P450 Using NMR
AYYALUSAMY RAMAMOORTHY (LSA Biophysics)
$1,791,031 01/01/09 - 11/30/09
Membrane Interaction and Membrane Mediated Aggregation of Amylin
AYYALUSAMY RAMAMOORTHY (LSA Biophysics)
$412,713 01/01/09 - 12/31/10
Structural Basis of Specificity in Affinity-Labeled Polyketide Synthase Didomains
JANET L SMITH (Life Sciences Institute-Admin)
$2,007,119 01/01/09 - 11/30/12
Physiological Regulation and Function of Asymmetric Stem Cell Division
YUKIKO YAMASHITA (Life Sciences Institute-Admin)
$1,467,750 12/01/08 - 11/30/13
Hemophilia Foundation of Michigan
2008-2009 Centers for Disease Control and Prevention (CDC) Grant Award
STEVEN W PIPE (Pediatrics-Hematology/Oncology)
$39,000 09/30/08 - 09/29/09
Hewlett, William and Flora, Foundation, The
2009 Health OER Design Phase
JAMES O WOOLLISCROFT (MSA Enabling Technologies)
With N CARY ENGLEBERG (Int Med-Infectious Diseases);
THEODORE ALEXANDER HANSS JR (MSA Enabling Technologies)
$500,000 01/01/09 - 12/31/09
ICON Clinical Research, Inc.
Case-Crossover Study of PDE5 Inhibitor Exposure as a Potential "Trigger Factor" for Acute NAION (A1481259)
WAYNE T CORNBLATH (Ophthalmology & Visual Science)
$50,363 12/03/08 - 07/31/11
Idaho National Laboratory
Measurement and Characterization of Nuclear Material at Idaho National Laboratory
SARA A POZZI (Nuclear Eng & Radiological Sci)
$75,000 11/03/08 - 09/30/09
INC Research, Inc
A Phase 2 Randomized Double-blind Placebo-controlled Crossover Study Assessing the Ability of Reboxetine (PNU-165442G) to Improve Cognitive Function in Fibromyalgia Patients
JENNIFER M GLASS (Psych Substance Abuse)
$133,863 11/26/08 - 12/31/09
UMCC 2008.039: Axitinib (AG-013736) as Second Line Therapy for Metastatic Renal Cell Cancer: Axis Trial
BRUCE G REDMAN (Int Med-Hematology/Oncology)
$429,282 11/25/08 - 11/30/11
UMCC 2008.063: Continuing Access to the Tyrosine Kinase Inhibitor of VEGFR-2, AG-013736 (A406) for Patients Previously Receiving AG-013736 in Clinical Trials
FRANCIS P WORDEN (Int Med-Hematology/Oncology)
$42,624 12/01/08 - 11/30/10
Indiana University
Biomed Studies & Instrumentation in Proteomics/Glycomics
ALAN J HUNT (Biomedical Engineering)
$30,400 09/01/08 - 08/31/09
Industrial Science and Technology Network (ISTN)
RBC-Encapsulated Asparaginase for Enhanced Acute Lymphoblastic Leukemia Therapy
VICTOR CHI-MIN YANG (College of Pharmacy)
$41,300 09/12/08 - 03/12/09
Ingenix Pharmaceutical Services
UMCC 2008.038: A Phase 3, Randomized, Double Blind, Multicenter Study of Proteinase 3 PR1 Peptide Mixed with Montanide ISA 51 VG Adjuvant and Administered with GM-CSF in Elderly Patients with AML in First Complete Remission or Adults in Second Complete Remission: A Pivotal Study
HARRY P ERBA (Int Med-Hematology/Oncology)
$249,453 11/21/08 - 03/23/12

INSEAD
Organizational Response to Co-occurring Market and Institutional Demands
JEFFREY A ALEXANDER (Health Management and Policy)
$23,276 09/01/08 - 05/31/09

Intel Corporation
Integrating Multi-Core Replay, Speculation, and Replication
PETER M CHEN (COE EECS - CSE - ACAL)
$50,000 10/01/08 - 09/30/16
Efficient Execution of Medical Imaging Applications on the Intel Larrabee System
SATISH NARAYANASAMY (COE EECS - CSE - ACAL)
With JEFFREY A FESSLER (COE EECS - ECE - Cspl); SCOTT MAHLKE (COE EECS - CSE - ACAL)
$140,472 09/01/08 - 08/31/11

Interior, Department of the
IPA for Dr. Sung Pil Hyun KIM F HAYES (Civil & Environmental Engr)
$12,393 01/01/09 - 02/28/09

Iowa Foundation for Medical Care
Time Study Project Data Collection and Analysis
BRANT E FRIES (Institute of Gerontology)
With MARY LEWIS JAMES (Institute of Gerontology)
$308,967 09/30/05 - 01/31/10

Jaeb Center for Health Research
Validation of Glucose Sensing Technologies in Children with Type 1 Diabetes - Year 3
Agreement Extension
JOYCE M LEE (Pediatrics-Ambulatory Care Pgm)
$7,868 08/01/08 - 07/31/09

Japan Business Society of Detroit Foundation
Japanese Health Education and Medical Exchange
MICHAEL D FETTERS (Department of Family Medicine)
$4,000 01/01/09 - 12/31/09
UMMA's Reopening Events for Community Audiences
JAMES C STEWARD (Museum of Art)
$1,000 01/01/09 - 06/30/09

Japan Foundation Center for Global Partnership (CGP)
Quantitative Analysis of Newly Evolving Patterns of Japanese and U.S. International Trade
ROBERT M STERN (G. Ford Sch of Public Policy)
$45,397 10/01/08 - 02/28/10

Jet Propulsion Laboratory
MARS Express Planetary Fourier Spectrometer Investigation (Phase E) FY09 FY010
SUSHIL K ATREYA (Atm, Oceanic & Space Sci.)
$216,111 09/29/08 - 09/26/10
Participation in SMAP Science Definition Team: Soil Moisture Retrieval Algorithms
MAHTA MOGHADDAM (COE EECS - ECE - Rad)
$60,174 01/01/09 - 05/31/09

Johns Hopkins University
Chronic Kidney Disease in Children Prospective Cohort Study (CKID)
KATHERINE LOUISE COLLINS (Pediatrics-Nephrology)
$48,170 08/01/08 - 07/31/13

Jump Start for Young Children, Inc
Jump Start for Young Children
SUSAN B NEUMAN (SOE-Educational Studies)
$60,421 09/01/08 - 08/31/09
L-3 Communications
Energy Constrained RFID Tagging System using UWB
   DAVID D WENTZLOFF (CoE EECS-Ssel)
   $160,000 03/25/08 - 07/31/09

Law Library Microform Consortium
LLMC-Digital: Conversion Services
   JOHN WEISE (University Library)
   $109,000 06/01/08 - 08/31/11

Macomb-Oakland Regional Center, Inc. (MORC)
Silver Club Transportation Services FY09
   ELIZABETH BROCK SPENCER (Geriatrics Social Work)
   $13,500 10/01/08 - 09/30/09

Medarex, Inc
UMCC 2008.069-A Phase 1b, Open-label, Multicenter, Multidose Dose-Escalation Study of MDX-1106 in Subjects with Selected Advanced or Recurrent Malignancies
   DAVID C SMITH (CTO-Phase 1)
   $1,603,025 12/01/08 - 12/31/11

Merck and Company, Inc.
Risk Factors and Treatment Outcomes for Fluconazole-resistant Candida Glabrata Blood Stream Infections
   PEGGY L CARVER (College of Pharmacy)
   $49,440 01/01/09 - 12/31/10
Pharmacokinetics of Invanz in Critically III Patients Receiving Continuous Venovenous Hemodialysis
   BRUCE A MUELLER (College of Pharmacy)
   With DARYL D DEPESTEL (College of Pharmacy)
   $134,399 01/01/09 - 12/31/10

Michigan Campus Compact
Preparing Youth for Higher Education
   MARGARET E DEWAR (Community Service Learning)
   $23,925 01/01/08 - 12/31/09

Michigan Primary Care Association
Continuation of Funding: Non-clinical Child & Adolescent Health Center (CAHC) Program
UMH Stone High School
   SHARON A REDMER (UMH RAHS Stone High School)
   With JENNIFER A SALERNO (UMH RAHS Stone High School)
   $120,000 10/01/08 - 09/30/09

Michigan Public Health Institute
Electronic Health Record
   JOANNE M POHL (SON-Grants)
   $75,803 09/01/08 - 08/31/09

Michigan, State of, Community Health, Department of
Cardiovascular Health Grant
   PHILLIP ALTON SCOTT (Emergency Medicine UM Adult)
   $11,520 11/01/08 - 09/30/09

Michigan, State of, Labor and Economic Growth, Department of
Reducing Worker Risk of Overexertion Injuries and Illnesses Using Engineering and Management Models
   THOMAS J ARMSTRONG (Center for Ergonomics)
   With RANDALL A RABOURN (Center for Ergonomics); SHERYL S ULIN (Center for Ergonomics)
   $80,000 10/01/08 - 09/30/09

Michigan, State of, Natural Resources, Department of
   JAMES EDWARD BRECK (Sch of Nat Resources & Environ)
   $88,746 10/01/08 - 09/30/09
Refinement of the Aquatic Portion of Michigan's Wildlife Action Plan and Development of Tools to Support the Plan
   LIZHU WANG (Sch of Nat Resources & Environ)
   $72,300 10/01/08 - 09/30/09
Microsoft, Inc.
NFSv4.1 Client for Windows
PETER HONEYMAN (COE EECS - CSE Division)
  With JAMES BRUCE FIELDS (COE EECS - CSE Division)
$800,000  12/01/08 - 11/30/10

Mott, Charles Stewart, Foundation
Feasibility Study for the Adaptive Re-Use of Capitol Theatre
JACK KAY (Flint Provost)
$48,000  09/01/08 - 02/28/09

National Aeronautics and Space Administration
Studies of the Dynamics and Composition of the Cometary Coma
MICHAEL R COMBI (Space Physics Research Lab)
$835,571  01/01/09 - 12/31/13

National Childhood Cancer Foundation
Master Subcontract Between the Regents of the University of Michigan, The Children's Oncology Group and the National Childhood Cancer Foundation. Contract #17506
RAYMOND J HUTCHINSON (Pediatrics-Hematology/Oncology)
$27,990  03/01/08 - 02/28/09

National Community Development Institute (NCDI)
Community Resource Directory
PAULA ALLEN-MEARES (School of Social Work)
  With LARRY M GANT (School of Social Work)
$15,000  12/01/07 - 11/30/08

National Foundation for the Centers for Disease Control and Prevention, Inc.
Universal Data and Serum Specimen Collection System for Hemophilia (Yr 4B)
PAULA L BOCKENSTEDT (Int Med-Hematology/Oncology)
$21,620  11/01/08 - 04/30/09

National Science Foundation
CAREER: Developing SFG into a Powerful Analytical Technique to Understand Molecular Adhesive Mechanisms at Polymer Interfaces
ZHAN CHEN (LSA Chemistry)
$20,000  09/01/08 - 02/28/10

International Conference and Workshop on Cluster Algebras and Related Topics
SERGEY FOMIN (LSA Mathematics)
$45,275  10/01/08 - 09/30/09

Program Directorship in the National Science Foundation Division of Chemistry
GEORGE L KENYON (College of Pharmacy)
$238,680  01/02/09 - 01/01/10

Nissan Technical Center, North America
Cooperative Agreement for Advanced Crash Avoidance Technologies Program (ACAT 2)
TIMOTHY J GORDON (UMTRI-Engineering Research)
With DANIEL F BLOWER (UMTRI-Automotive Analysis Div.); CAROL ANN FLANNAGAN (UMTRI-Biosciences); HEMANT M SARDAR (UMTRI-Engineering Research); JOHN M SULLIVAN (UMTRI-Human Factors)
$1,000,000  01/01/09 - 12/31/10

Northwestern University
Massive Black Hole Binaries with Extreme Mass Ratios
MARTA VOLONTERI (LSA Astronomy)
$53,489  06/01/08 - 05/31/10

Ortho-Clinical Diagnostics
A Validation Study of the ORTHO ProVue System
ROBERTSON D DAVENPORT (Pathology Department)
$11,200  11/17/08 - 12/31/08
**Pfizer, Inc.**
A Double-Blind Placebo-Controlled Cross-Over Study in Fibromyalgia Subjects to Examine Effects of Pregabalin on Brain Response to Mechanical Pain as Assessed by Functional Magnetic Resonance Imaging, Proton Magnetic Resonance Spectroscopy and Subjective Ratings
RICHARD E HARRIS (Anesthesiology Department)
With DANIEL J CLAUW (Anesthesiology Department)
$737,829 12/01/08 - 10/31/09

**Planetary Science Institute**
In-Situ Studies of Terrestrial Dust Devils and Ambient Meteorology: Applications to Mars' Climate
NILTON O RENNO (Atm, Oceanic & Space Sci.)
$36,441 05/15/08 - 05/14/09

**Quintiles, Inc.**
ALN-RSV01-106: A Multi-center, Randomized, Double-blind, Placebo-controlled Study to Evaluate the Safety and Antiviral Activity of Aerosolized ALN-RSV01 Plus Standard of Care in Lung Transplant Patients Infected with Respiratory Syncytial Virus (RSV)
KEVIN M CHAN (Int Med-Pulm./Critical Care)
$90,280 12/05/08 - 02/04/11
A Double-blind, Randomized, Stratified, Multi-center Trial Evaluating Conventional and High Dose Oseltamivir in the Treatment of Immunocompromised Patients with Influenza
DANIEL RICHARD KAUL (Int Med-Infectious Diseases)
$36,233 12/19/08 - 09/30/10

An Open Label, Multi-center Study to Assess the Safety and Tolerability of Pancrelipase Delayed Release Capsules in Infants and Children Less then Seven Years of Age with Pancreatic Exocrine Insufficiency due to Cystic Fibrosis
SAMYA Z NASR (Pediatrics-Pulmonary Medicine)
With MANUEL ARTETA (Pediatrics-Pulmonary Medicine); AMY G FILBRUN (Pediatrics-Pulmonary Medicine); CAREY NIEN-KAI LUMENG (Pediatrics-Pulmonary Medicine); WAN CHONG TSAI (Pediatrics-Pulmonary Medicine)
$51,652 12/01/08 - 11/30/09

**Raytheon Company**
University of Michigan Response to RFP for NASA NextGen Advanced Concepts and Vehicles
ELLA MARIE ATKINS (Aerospace Engineering)
$90,000 07/18/08 - 12/13/09

**Renal Research Institute, LLC**
Establishment of a Collaborative for Clinical/Translational Research between the Renal Research Institute (RRI) and the UM-Kidney Epidemiology and Cost Center (UM_KECE)
RAJIV SARAN (Int Med-Nephrology)
With BRENDA WILSON GILLESPIE (Ctr Statistical Consul & Res);
SONAL N KORGAONKAR (Int Med-Nephrology)
$190,000 08/01/08 - 07/31/09

**Reynolds, Christopher, Foundation, The**
Christopher Reynolds Foundation - Cuba Project
FRANK W THOMPSON (LSA Economics)
$8,000 11/01/08 - 10/31/09

**Rosalynn Carter Institute for Caregiving**
Translating Science to Practice
LOUIS BURGIO (School of Social Work)
$5,000 09/01/08 - 08/31/09
**Sandia National Laboratories**
A Multisensor Fusion Approach to the Solution of Inverse Radiation Transport Problems
SARA A POZZI (Nuclear Eng & Radiological Sci)  
$87,000 12/01/08 - 11/30/09

**Sanofi Pasteur**
Comparative Study of Influenza Vaccines in Adults - FLUVACS (Extended Support)  
ARNOLD S MONTO (Epidemiology Department)  
With SUZANNE E OHMIT  
(Epidemiology Department)  
$193,721 09/01/08 - 08/31/10

**Sanofi-Aventis Pharmaceuticals**
Validation of VTE Risk Tool in Hospitalized Surgical Patients  
PETER K HENKE (Vascular Surgery Section)  
$109,500 11/01/08 - 10/31/09

**Sarcoma Alliance for Research Through Collaboration (SARC)**
Database Management Services SARC003 (II)  
DANIEL J CLAUW (Mich Inst for Clin & Hlth Resr)  
$1,660 02/01/09 - 08/31/09

**Skillman Foundation**
Detroit Center for Family Advocacy Innovative Model to Reduce the Number of Children in Foster Care  
DONALD N DUQUETTE (Law School)  
With VIVEK S SANKARAN (Law School); FRANK E VANDERVORT (Law School)  
$75,000 01/01/09 - 01/01/10

**Smithsonian Institution**
Well Dispersed or Well Disguised: A Curatorial Initiative Focused on 85 Tree Species Shared between BCI and Yasuni  
CHRISTOPHER WILLIAM DICK (LSA Ecology & Evolutionary Bio)  
$15,000 12/01/08 - 11/30/11

The Evolution of X-ray Emission in the Planet-Forming Era  
JON MATTHEW MILLER (LSA Astronomy)  
$50,700 11/19/08 - 07/31/10

Collaboration Between the Animal Diversity Web and the Encyclopedia of Life  
PHILIP MYERS (LSA Zoology Museum)  
$28,014 11/01/08 - 02/28/09

**Southern Illinois University Medical School**
A Model For Delineating the Pathogenesis of Chronic Fatigue  
MARK R OPP (Anesthesiology Department)  
$150,960 11/01/08 - 06/30/10

**Space Telescope Science Institute**
NICMOS Imaging of Protostars in the Orion A Cloud  
LEE WILLIAM HARTMANN (LSA Astronomy)  
With NURIA PILAR CALVET (LSA Astronomy)  
$63,335 11/01/08 - 10/31/10

**SRI International**
Semantic Inference with Large Knowledge (SILK)  
MICHAEL P WELLMAN (CoE EECS-Al)  
$19,310 05/01/08 - 10/28/08

**Terumo Cardiovascular Systems**
Recharge: Histology and Molecular Biology Cores  
CHARLOTTE M MISTRETTA (Office of Research - Dentistry)  
$126 07/01/08 - 06/30/13

**Toyota Technical Center, USA, Inc.**
Use of Dynamical System Models for Vehicular Interaction Prediction and Warning  
SATINDER SINGH BAVEJA (COE EECS - CSE - AI)  
$44,063 09/01/06 - 02/28/09

**Universal Display Corporation**
SBIR II: High Light Output Phosphorescent Stacked OLED Lighting  
STEPHEN R FORREST (CoE EECS-Ssel)  
$150,000 08/15/08 - 08/14/10
University of California - San Francisco
Miniaturized Implantable Renal Assist Device for Total Renal Replacement Therapy
DAVID L BROWN (Plastic Surgery Section)
$37,780 09/01/08 - 08/31/09
Adherence and the Economics of Colon Cancer Screening
SANDEEP VIJAN (Int Med-General Medicine)
With RODNEY A HAYWARD (Int Med-General Medicine); LAURENCE F MCMAHON JR (Int Med-General Medicine)
$63,527 08/01/08 - 07/31/09

University of Illinois at Chicago
BETH-ELLEN PENNELL (Survey Research Organization)
$9,324 10/01/08 - 11/30/08

University of London
Jacobs Foundation Post-Doctoral Fellowship
JACQUELYNNE S ECCLES (RCGD-Achievement Research)
$51,957 10/01/08 - 07/31/09

University of Minnesota
A Randomized Trial of Internet Access to Nicotine Patches
VICTOR J STRECHER (Hlth Behavior & Hlth Ed Dept)
$151,313 07/01/07 - 06/30/09

University of Nebraska
Sr Isotopic Measurements on Carbonate Fossil Materials Aimed at Providing Tight Age Constraints for Paleoclimate Records in the Southern McMurdo Sound (SMS) Core
SAMUEL B MUKASA (LSA Geological Sciences)
$83,141 07/01/08 - 03/31/10

University of Pennsylvania
Sedation Management in Pediatric Patients with Acute Respiratory Failure
THOMAS PATRICK SHANLEY (Pediatrics-Intensive Care)
$144,000 04/01/08 - 03/31/09

University of Texas
Biology of Prostate Cancer Prevention Trial Subcontract
LAURENCE H BAKER (Int Med-Hematology/Oncology)
$5,261 08/20/08 - 04/30/09

University of Texas Southwestern
A Multi-Center Study to Evaluate the Effect of an Education Program on Prehospital Pediatric Pain Management
DOMINIC A BORGIALLI (Emergency Medicine Hurley)
$34,281 09/01/08 - 08/31/09

University of Utah
Proteomics and Genomics of Giant Cell Arteritis (Agreement between UM and Utah)
JONATHAN D TROBE (Ophthalmology & Visual Science)
$2,000 10/22/08 - 10/21/09

University of Zurich
Testing Aminoglycoside Derivatives for Free-radical Toxicity to Hair Cells in Organ of Corti Explants
JOCHEN H SCHACHT (Kresge Hearing Research Inst)
$12,000 09/01/08 - 12/31/09

Various Sponsors
Recharge: Chemistry Services September 2008
CAROL A FIERKE (LSA Chemistry)
$2,527 01/01/08 - 12/31/08

Washtenaw, County of
Home Delivered Meals - Washtenaw County Service Contract: UMHS Motor Meals of Ann Arbor
SHARON A REDMER (UMH Motor Meals/Ann Arbor)
$70,000 10/01/08 - 09/30/09

Wenner-Gren Foundation for Anthropological Research, Inc.
Social Relationships and Gestural Communication in Wild Chimpanzees
JOHN C MITANI (LSA Anthropology)
$15,460 10/17/08 - 01/31/10
West Virginia University
A Novel Computational Framework for Individualized Clinical Decision-Making
DAVID G BEER (Thoracic Surgery Section)
$21,089 09/15/08 - 09/14/09

Western Robotics
SBIR Phase 1: Integrated Inspection for Precision Surface Finishing
REUVEN R KATZ (Mechanical Engineering)
$28,000 01/01/09 - 06/30/09

Whitehall Foundation, Inc.
Activity-Dependent Synapse Refinement in the Hippocampus in Vivo
HISASHI UMEMORI (Molecular & Behav Neurosc Inst)
$225,000 01/01/09 - 12/31/11

Yale University
Cooperative Multicenter Reproductive Medicine Network
GREGORY M CHRISTMAN (Obstetrics and Gynecology Dept)
$66,702 12/01/08 - 11/30/09