The awards detailed in this list were established November 1, 2009 through November 30, 2009. The dollar values depict the best available estimate of the funding the University should receive over the life of the award. These values may be modified, as additional data become available relative to future funding prospects. These modifications are not reported in the attached list. As a result, the dollar values of awards presented in this list will differ from the year-end totals. The full amount of an award is recorded in the year in which it was established. Often these funds are expended over several years, making comparisons between awards and expenditures somewhat misleading. Research expenditures are presented here to provide a trend line for the current fiscal year.

<table>
<thead>
<tr>
<th></th>
<th>Number of Awards FY 2009</th>
<th>Number of Awards FY 2010</th>
<th>% Change</th>
<th>Value of Awards FY 2009</th>
<th>Value of Awards FY 2010</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Awards Processed (November)</td>
<td>136</td>
<td>182</td>
<td>33.8%</td>
<td>$39,134,710</td>
<td>$31,562,646</td>
<td>(19.3%)</td>
</tr>
<tr>
<td>Research Awards</td>
<td>82</td>
<td>136</td>
<td>65.9%</td>
<td>$31,980,842</td>
<td>$26,337,577</td>
<td>(17.6%)</td>
</tr>
<tr>
<td>Research Training</td>
<td>0</td>
<td>4</td>
<td>0%</td>
<td>$0</td>
<td>$685,490</td>
<td>0.0%</td>
</tr>
<tr>
<td>Other Sponsored Activity</td>
<td>54</td>
<td>42</td>
<td>(22.2%)</td>
<td>$7,153,868</td>
<td>$4,539,579</td>
<td>(36.5%)</td>
</tr>
<tr>
<td>Total Awards Processed Fiscal Year to Date</td>
<td>1,234</td>
<td>1,528</td>
<td>23.8%</td>
<td>$555,782,636</td>
<td>$633,794,980</td>
<td>14.0%</td>
</tr>
<tr>
<td>Research Awards</td>
<td>900</td>
<td>1,218</td>
<td>35.3%</td>
<td>$499,842,489</td>
<td>$595,653,942</td>
<td>19.2%</td>
</tr>
<tr>
<td>Research Training</td>
<td>71</td>
<td>68</td>
<td>(4.2%)</td>
<td>$15,235,591</td>
<td>$12,443,506</td>
<td>(18.3%)</td>
</tr>
<tr>
<td>Other Sponsored Activity</td>
<td>263</td>
<td>242</td>
<td>(8.0%)</td>
<td>$40,704,556</td>
<td>$25,697,532</td>
<td>(36.9%)</td>
</tr>
</tbody>
</table>

Comparison of November 2009 and 2008 reveals a mixed result. While the number of awards processed increased, their dollar value decreased. In November 2008 there were 12 awards processed valued in excess of $1.0 million totaling $29.6 million. In November 2009 there were 4 such awards totaling $7.8 million. In November 2009 there were 22 ARRA awards totaling $3.6 million, representing the smallest amount processed this fiscal year. A total of $189.3 million of ARRA funding has been processed fiscal year-to-date. Year-to-date values continue to be in very positive territory.
<table>
<thead>
<tr>
<th></th>
<th>Federal Expendable Restricted</th>
<th>Other Funds</th>
<th>Total Expenditures</th>
</tr>
</thead>
<tbody>
<tr>
<td>October 2009</td>
<td>$246,568,128</td>
<td>$122,170,547</td>
<td>$368,738,675</td>
</tr>
<tr>
<td>October 2008</td>
<td>$214,476,865</td>
<td>$115,204,940</td>
<td>$329,681,805</td>
</tr>
<tr>
<td>Percent Change</td>
<td>15.0%</td>
<td>6.0%</td>
<td>11.8%</td>
</tr>
</tbody>
</table>

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

Dollar Value of Awards Processed

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

November 01, 2009 through November 30, 2009

The awards listed here by direct sponsor were established during the month designated in the heading above. For each award, the listing includes the award title, the principal investigator(s), the proposal administrative department, participating investigators with specified effort, the estimated amount awarded for the award period, and the estimated award period.

Advanced Vapor Technology
Comparision of disinfection efficiency of TANCS-equipped Steam Vapor Device and chemical disinfectant against biofilms on different environmental surfaces
CHUANWU XI (Environmental Health Sciences)
$60,000 11/01/2009 - 02/28/2010

Agilent Technologies
Modeling of Micro-Plasmas for Ionization Sources
MARK KUSHNER (COE EECS - ECE - Rad)
$90,000 11/01/2009 - 10/31/2010

Alere, LLC
Health Risk Appraisals Economic Reports
DEE W EDINGTON (Health Management Research Ctr)
$90,000 01/01/2009 - 12/31/2011

Allergan Pharmaceuticals, Inc.
A Multicenter, Randomized, Double-Masked, Parallel-Group Study Evaluating the Efficacy and Safety of Cyclosporine Ophthalmic Solution 0.010% Compared with its Vehicle Administered QID for 3 Months Followed by a 9 Month Open-Label Phase in Patients with Atopic Keratoconjunctivitis Protocol No. 192371-016-00
ALAN SUGAR (Ophthalmology & Visual Science)
with SHAHZAD I MIAN
$94,475 10/15/2009 - 07/31/2012

American Cancer Society
Prostate Cancer Expenditures Following Initial Therapy
JOHN THOMAS WEI (Urology Surgery)
$48,000 01/01/2010 - 12/31/2010

American College of Nurse-Midwives Foundation, Inc
Strengthening Midwifery Education in Family Planning/Comprehensive Abortion Care at Two Midwifery Schools in Cambodia and Ghana
JODY RAE LORI (School of Nursing)
$45,000 08/01/2009 - 12/31/2010

American Foundation for Suicide Prevention
Investigation Into the Role of Genes and Stress in Depression and Suicide Among Medical Interns
SRIJAN SEN (Psychiatry Depression Center)
$85,000 01/01/2010 - 12/31/2011
American Society for Dermatologic Surgery

Molecular Effects of Fractionated Carbon Dioxide Laser Resurfacing: A Quantitative Comparison with Traditional Ablative Laser Resurfacing

JEFFREY SCOTT ORRINGER (Dermatology Department)

$20,000 10/01/2009 - 09/30/2010

Ann Arbor Area Community Foundation

Elder Care and Cost Assistance Program

SHARON A REDMER (UMH Housing Bureau/Senior)

$14,958 12/01/2009 - 11/30/2010

Ann Arbor Public Schools

Enabling Adolescents in a Culturally Diverse Environments

CHARLES D GARVIN (School of Social Work)

$3,702 09/01/2009 - 08/31/2010

Enabling Adolescents in a Culturally Diverse Environments-Stone School

CHARLES D GARVIN (School of Social Work)

$3,000 09/01/2009 - 08/31/2010

Association of American Medical Colleges

Establishing a Surveillance System for Chronic Kidney Disease

RAJIV SARAN (Int Med-Nephrology)

with BRENDA WILSON GILLESPIE

VAHAKN BEDIG SHAHINIAN

$220,000 09/30/2009 - 09/29/2010

Baylor College of Medicine

Recharge: Metabolomics Core Baylor

CHARLES BURANT (MI Metabolic and Obesity Ctr)

$1,794 09/01/2009 - 08/31/2010

Bipar Sciences, Inc

2009.073: A Phase 3, Multi-Center, Open-Label, Randomized Study of Gemcitabine/Carboplatin, with or without BSI-201, in Patients with ER-, PR-, and HER2-Negative Metastatic Breast Cancer

LYNN HENRY (Int Med-Hematology/Oncology)

$699,200 11/10/2009 - 11/10/2012

Boston University

Identification and Validation of Biomarkers for Vasculitis

KENT J JOHNSON (Pathology Department)

$150,457 09/30/2009 - 08/31/2010

Breast Cancer Research Foundation, The

A Randomized Comparison of IMRT and 3D Radiotherapy in Node Positive Breast Cancer

LORI J PIERCE (Radiation Oncology - Ann Arbor)

with JEAN MARIE MORAN

$200,000 10/01/2009 - 09/30/2010
Brigham Young University
Co-Chaperone Role of Phosducin-like Protein in G Protein Subunit Assembly
JOHN J G TESMER  (Life Sciences Institute-Admin)
$94,747  09/01/2009 - 06/30/2011

Brookings Institution
Census Research-Metropolitan Policy Program
WILLIAM H FREY  (Pop Studies-Research)
$5,600  07/01/2009 - 06/30/2010

Burroughs Wellcome Fund
Career Award at the Scientific Interface
JULIE SUZANNE BITEEN  (LSA Chemistry)
$465,000  01/01/2010 - 12/31/2014

CALSTART
High Efficiency Truck Jobs Report
BRUCE M BELZOWSKI  (UMTRI-Automotive Analysis Div.)
with JOHN WOODROOFFE
WALTER S MCMANUS
$40,000  10/01/2009 - 02/28/2010

Carnegie Corporation of New York
Americans' Evolving Values
JAMES S JACKSON  (RCGD-PRBA)
$50,000  09/01/2009 - 08/31/2011

Carnegie-Mellon University
Carbon Nanotube Aerogels for Next-generation Thermal Management
KEVIN PATRICK PIPE  (Mechanical Engineering)
$81,892  09/01/2009 - 08/31/2012

Center for Healthcare Research & Transformation
Impact of Expansion of Mental Health and Addiction Treatment Benefits on Quality, Patterns, and Costs of Care
KYLE LYNN GRAZIER  (Health Management and Policy)
with DANIEL EISENBERG
$187,133  08/01/2009 - 07/31/2011

Pediatric Emergency Department Observation Protocols
GARY L FREED  (Pediatrics-Ambulatory Care Pgm)
$60,000  07/01/2009 - 11/30/2010

Organizational Structure and Change in State Health Departments
PAULA M LANTZ  (Health Management and Policy)
with JEFFREY A ALEXANDER
JOLYNN PRATT MONTGOMERY
$235,363  08/01/2009 - 02/28/2011
Centocor, Inc.
The Role of JNJ26481585, CNT0888 and CNT0328 on TMPRSS2- ETS fusion and EZH2 expression and activity

SOORYANARAYANA  LNU  (Ctr fr Translational Pathology)
$154,500  11/16/2009 - 11/15/2010

Evaluation of the effect of CCL2 blockade utilizing MRI imaging

KENNETH J PIENTA  (Int Med-Hematology/Oncology)
with JIAN ZHANG

City Connect Detroit
EVALUATION OF SUMMER YOUTH EMPLOYMENT PROGRAM

TRINA R SHANKS  (School of Social Work)
$35,000  07/01/2009 - 12/31/2009

Colgate-Palmolive Company
Development of Oral Inflammatory Disease Model Relating Protein, Genetic and Microbial Biomarkers

JANET SUE KINNEY  (DENT Periodontics and Oral Med)
with CARRIE BIGELOW-GHANAME
THOMAS M BRAUN
$70,225  11/02/2009 - 08/31/2010

Columbia University

DRAGOMIR RADKOV RADEV  (COE EECS - CSE - AI)
$385,546  08/24/2009 - 10/23/2012

Cornell University
NNIN-Equipment Supplement-Cornell

KHALIL NAJAFI  (COE EECS - ECE - SSEL)
$515,000  09/01/2009 - 09/01/2010

Dartmouth College
Causes and Consequences of Health Care Efficiency

JOHN D BIRKMEYER  (General Surgery Section)
$107,232  04/01/2009 - 02/28/2010

Davidson, William, Institute
The South Africa Logistics Excellence and Transportation Training Initiative (SALETTI) is designed to address the growth and expansion of transportation studies and training programs related to building transportation human resources capacity and skills in South Africa. The SALETTI workplan (a three year project commencing in January 2009) will focus on South African higher education in transportation, logistics and Supply Chain Management through development and enhancement of textbook-based logistics management curriculum materials and teaching methods. SALETTI will serve to both examine and enhance the educational opportunities in transportation for current and future students and to advance the education and training framework for capacity improvements in transportation systems (notably the freight sector) in South Africa.

OLIVER A PAGE  (UMTRI-Transp. Safety Analysis)
$73,097  12/17/2008 - 12/31/2011
Defense, Department of Navy, Department of the
Aluminum Structures Research Program
MATTHEW DAVID COLLETTE (Naval Arch & Marine Dept)
$50,084 01/01/2010 - 12/31/2010

Detroit Area Pre-College Engineering Program (DACEP)
Michigan Introduction to Technology and Engineering (MITE) Program
JAMES PAUL HOLLOWAY (CoE Multicultural Engin Pgm Of)
$9,000 07/18/2009 - 08/11/2009

Greater Proficiency in Science - Investigate the State
STEPHEN D BEST (SOE-Educational Studies)
$264,000 09/01/2009 - 08/30/2010

Dow Chemical Company
University of Michigan Dioxin Exposure Study
DAVID H GARABRANT (Environmental Health Sciences)
with ALFRED FRANZBLAUL
$371,044 07/01/2009 - 06/30/2010
Quantitative Optical Assessment of Fire Retardant Effectiveness
VOLKER SICK (Mechanical Engineering)
$90,000 11/01/2009 - 10/31/2010

Duke University
UM subcontract from Duke: Prediction of Soldier Health Using Spatio-temporal Adaptive Bayesian (STAB) network models Phase II
ALFRED O HERO III (COE EECS - ECE - Cspl)
with PETER JAMES WOOLF
$464,998 09/10/2009 - 09/09/2011
Anti-Coagulant Effectiveness in Idiopathic Pulmonary Fibrosis, A Randomized, Double-Blind, Placebo-controlled Trial
KEVIN R FLAHERTY (Int Med-Pulm./Critical Care)
with FERNANDO JOSE MARTINEZ
$573,210 09/01/2009 - 08/31/2012

Eaton Corporation
NSF I/UCRC on Intelligent Maintenance Systems Membership 09-10
JUN NI (CoE Ind/Univ Coop Research Ctr)
$40,000 10/01/2009 - 09/30/2010

Electrodynamic Applications, Inc.
The International Electric Propulsion Conference 2009
ALEC D GALLIMORE (Aerospace Engineering)
$3,000 06/01/2009 - 09/30/2011
Energy, Department of
Center for Laser Experimental Astrophysics Research (CLEAR)
  R PAUL DRAKE  (Space Physics Research Lab)
  $750,000  08/01/2009 - 09/29/2012

Direct X-ray Studies of Emergent Behavior at Interfaces
  ROY CLARKE  (LSA Physics)
  $166,000  02/01/2009 - 04/30/2010

Hydrogen Storage in Graphite Nanofibers and the Spillover Mechanism
  RALPH T YANG  (Chemical Engineering Dept)
  $185,855  01/01/2009 - 06/30/2010

A University Consortium on High Pressure Lean Combustion (HPLC) for Efficient and Clean ICE
  DIONISSIOS N ASSANIS  (Mechanical Engineering)
  with ARISTOTELIS BABAJIMOPOULOS
  HONG G IM
  MARGARET S WOOLDRIDGE
  STANI V BOHAC
  ZORAN S FILIPI
  $3,000,000  09/28/2009 - 09/27/2010

Proposal to Study the Properties and Interactions of Elementary Particles - FY2009 supplement
  DANTE ERIC AMIDEI  (LSA Physics)
  with WOLFGANG B LORENZON
  $241,000  11/01/2008 - 10/31/2009

Expedition Inspiration Fund for Breast Cancer Research
Role of Angiotensin II type 1 receptor (AGTR1) in a subset of Breast Cancer
  ARUL M CHINNAIYAN  (Ctr fr Translational Pathology)
  $10,000  09/01/2009 - 08/31/2010

Florida State University
Improving and Streamlining Screening and Diagnosis of ASD at 18-24 Months of Age
  CATHERINE LORD  (UM Autism & Comm Disorders Ctr)
  $294,412  09/30/2009 - 09/29/2010

Ford Motor Company
Analysis of Closed Trip Chains (CTC) in Naturalistic Driving Databases
  TIMOTHY J GORDON  (UMTRI-Engineering Research)
  with DAVID JAMES LEBLANC
  $52,593  10/01/2009 - 11/30/2009

Full Circle Studios, LLC
Family Education for Confirmed Positive Newborn Screen
  DAVID ERIC SANDBERG  (Pediatrics-Ambulatory Care Pgm)
  $51,318  09/28/2009 - 08/31/2010
GE Healthcare
Traditional Cobb Angle Measurement of Kyphosis and Scoliosis using Lunar iDXA
YEBIN JIANG (Department of Radiology)
with RUCHUN DAI
$34,049 09/24/2009 - 12/31/2010

Evaluation of bone length measurement using Lunar iDXA
YEBIN JIANG (Department of Radiology)
with RUCHUN DAI
ZHEHAO DAI
$21,255 09/24/2009 - 12/31/2010

General Motors Company
Virtual Simulated Work Environment PART HANDLING: Modeling Grasp Planning and Postures Extension Project Add Two Deliverables and Budget
MATTHEW PAUL REED (Center for Ergonomics)
$90,000 10/01/2009 - 08/31/2010

Gentz Industries, LLC
Feasibility of scCO2 Metalworking Fluid in Turning
STEVEN J SKERLOS (Mechanical Engineering)
$10,000 10/01/2009 - 09/30/2010

Georgetown University
Pulmonary Hypertension Assessment and Recognition of Outcomes in Scleroderma (PHAROS)
JAMES R SEIBOLD (Int Med-Rheumatology)
with ANN JULIE IMPENS
ELENA SCHIOPU
$18,000 07/01/2008 - 06/30/2009

GlaxoSmithKline (GSK)
2008.090: A double-blind, randomized, placebo-controlled Phase III study to assess the efficacy of recMAGE-A3 + AS15 ASCl as adjuvant therapy in patients with MAGE-A3-positive resected stage III melanoma
CHRISTOPHER D LAO (Int Med-Hematology/Oncology)
$214,334 09/15/2009 - 08/14/2014

HandyLab, Inc.
Amendment to GBS protocol: Rapid Detection of Group B Streptococcus Using a Novel Real-Time PCR Platform
DUANE W NEWTON (Pathology Department)
$10,400 05/01/2009 - 04/30/2010

Harvard Pilgrim Health Care
Joint Initiative for Vaccine Economics III [JIVE III] supplement (Novel H1N1 Influenza Vaccination Economic Evaluation)
LISA PROSSER (Pediatrics-Ambulatory Care Pgm)
$102,125 06/01/2009 - 09/29/2009
Harvard University

**Selection and the Quality Impact of Nursing Home Ownership**

RICHARD A HIRTH (Health Management and Policy)

$49,251  09/15/2009 - 08/31/2010

**Investigating the Effect of Professional Development, Mathematical Knowledge for Teaching, and Instruction on Student Outcomes**

ROBIN TEPPER JACOB (Education and Well Being)

with GEOFFREY CHARLES PHELPS

$1,568,805  09/01/2009 - 08/31/2014

Health and Human Services, Department of Food and Drug Administration

**The University of Michigan Pediatric Device Consortium**

JAMES DUNCAN GEIGER (Pediatric Surgery Section)

with ALBERT J SHIH

DIANNE J. TEITELBAUM

DIANN ERBSCHLOE BREI

GAIL MARY ANNICH

GREGORY A YANKIK

JONATHAN E LUNTZ

ROBERT HAWES BARTLETT

THOMAS C KINNEAR

TIMOTHY L FALEY

ULYSSES J BALIS

$2,000,000  09/25/2009 - 07/31/2011

Health and Human Services, Department of Health Resources and Services Administration

**HCOF 2009, Children's and Women's Hospital Regional Infectious Containment Unit, Facilities and Equipment**

JOHN Z BALLEW (Ofc of Exec VP for Med Affairs)

$377,190  07/01/2008 - 06/30/2011
Health and Human Services, Department of-National Institutes of Health

New Molecular Target and Its Inhibitors for Use Against Pancreatic Cancer

DUXIN SUN (PHARMACY Pharmaceutical Sci)

$340,200 12/01/2009 - 11/30/2011

HIV/AIDS Risk Among Young Men Who Use the Internet to Meet Romantic Partners

JOSE ARTURO BAUERMEISTER (Hlth Behavior & Hlth Ed Dept)

$563,490 12/01/2009 - 11/30/2013

Testing a Sexual Risk Event History Calendar Intervention with Adolescents

KRISTY KIEL MARTYN (SON-(Div II) Division of Hlth)

with ANTONIA M VILLARRUEL
CYNTHIA S DARLING-FISHER
DAVID L RONIS
MICHELLE LORRAINE PARDEE

$695,250 12/01/2009 - 11/30/2012

Integral Role of Hematopoietic Cells in PTH Action in Bone

LAURIE KAY MCCAULEY (DENT Periodontics and Oral Med)

$63,700 09/22/2009 - 08/31/2010

Quality of Life in Intersexuality: A Pediatric Clinical and Research Tool

DAVID ERIC SANDBERG (Pediatrics-Ambulatory Care Pgm)

with DAVID ALAN HANAUER

$119,603 09/30/2009 - 09/29/2010

Biology of the orphan nuclear receptor Rev-erba and its regulation in circadian rhythm and metabolism

LEI YIN (Molec & Integrative Physiology)

$726,593 09/23/2009 - 08/31/2012

Supplement: National Institute on Deafness and Other Communication Disorders, Research Core Centers (P30)

JOCHEN H SCHACHT (Kresge Hearing Research Inst)

$107,739 11/09/2009 - 07/31/2012

Comparison of Gene Expression Profiles from Sca-1-positive Mesenchymal Stem Cells and Bronchioalveolar Stem Cells

MARC B HERSHENSON (Pediatrics-Pulmonary Medicine)

$90,000 07/01/2009 - 06/30/2011

Hoffmann-Laroche, Inc.

In Vivo Studies with Tamiflu in Wild-Type and Pept1 Knockout Mice

DAVID E SMITH (PHARMACY Pharmaceutical Sci)

$67,890 10/01/2009 - 03/31/2010

Indiana University

Synthesis of E3330 - Salt Preparation

HOLLIS D SHOWALTER (PHARMACY Medicinal Chemistry)

with RODERICK J SORENSON

$1,365 11/05/2009 - 11/30/2009
Innovative Biotherapies
Development and Assessment of a BPICS in a Chronic Diabetic Sheep Model
H DAVID HUMES (Int Med-Nephrology)
$177,936  01/01/2009 - 08/31/2010

Institute for Systems Biology
Application of Novel Organ-Specific Plasma Protein Biomarker Candidates to Diagnose Hepatic Fibrosis in Hepatitis C Patients in HALT-C Trial
ANNA SUK-FONG LOK (Int Med-Gastroenterology)
with ALEXANDER TSODIKOV
$61,480  08/01/2009 - 09/30/2010

Intel Corporation
In situ Delay Monitoring for Adaptive Voltage/Frequency Scaling
DAVID BLAAUW (COE EECS - CSE - ACAL)
$35,000  08/01/2009 - 08/01/2011

Interior, Department of the
IPA for Dr. Sung Pil Hyun
SUNG PIL HYUN (Civil & Environmental Engr)
$20,590  10/15/2009 - 10/15/2010

Japan Foundation Center for Global Partnership (CGP)
Corporate Social Responsibility in a Globalizing World: Toward Effective Global CSR Frameworks
KIYOTERU TSUTSUI (LSA Sociology)
$74,767  12/01/2009 - 11/30/2010

Johns Hopkins University
A Feasibility Study for a National Science Foundation Open-Access Publication Repository
JOHN PRICE WILKIN (Library Finance and Facilities)
with JEREMY J YORK
JESSICA A HOVATER FEEMAN
$66,803  09/01/2009 - 08/31/2010

2009.042: A Randomized Phase 2 Clinical Trial of Two Dose-Levels of Itraconazole in Patients with Metastatic Castration-Resistant Prostate Cancer
DAVID C SMITH (Int Med-Hematology/Oncology)
$49,300  06/01/2009 - 05/31/2012

National Study of Disability Trends and Dynamics - Subcontract with Johns Hopkins University
VICKI A FREEDMAN (SRC-Psid)
$145,626  10/01/2009 - 08/31/2010

Justice, Department of
Juvenile Justice Data Resources Project
TIMOTHY S BYNUM (ICPSR-Archival Development)
$150,000  02/01/2009 - 01/31/2010

Kaplan, J.M., Fund
The Lens of Impressionism: Photography and Painting Along the Normandy Coast, 1850-1874
RAYMOND A SILVERMAN (Museum of Art)
$5,000  06/01/2009 - 12/31/2009
Louisiana Universities Marine Consortium (LUMCON)

NGOMEX09: Integrated Ecosystem Modeling of the Causes of Hypoxia

DONALD SCAVIA (Sch of Nat Resources & Environ)

$29,947 09/01/2009 - 08/31/2010

Macomb Community College

Research on Macomb Community College Technology Program

JOHN C BURKHARDT (School of Education)

$3,974 08/01/2009 - 12/31/2009

McQ, Inc

Fabrication of Personal Dead-reckoning System (PDR)

JOHANN BORENSTEIN (Mechanical Engineering)


Medical Mutual of Ohio

Evaluation of Medical Mutal of Ohio Health Management Program

DEE W EDINGTON (School of Kinesiology)

$100,000 10/01/2009 - 09/30/2011

Medimmune, Inc.

A Phase 1 Multicenter, Open-label Study to Evaluate the Safety and Tolerability of Single and Multiple Intravenous Doses of MEDI-546, a Fully Human Monoclonal Antibody Directed Against Subunit 1 of the Type I Interferon Receptor, in Adult Subjects with Scleroderma

JAMES R SEIBOLD (Int Med-Rheumatology)

with KRISTINE PHILLIPS

$202,776 07/28/2009 - 07/31/2012

Medtronic, Inc.

Feasibility Evaluation of Continuous Monitoring in Hospitalized Critically Ill Patients

ROMA Y GIANCHANDANI (Metabolism, Endo & Diabetes)

with JAMES M BLUM

$29,486 10/19/2009 - 12/31/2009

Mellon, Andrew W., Foundation

Michigan's Forests in the Cultural Imagination

JOHN R KNOTT JR (LSA English Language & Lit.)

$29,000 10/01/2009 - 09/30/2011

Mellon Oberlin, Kalamazoo, UM Exchange (OKUM)

PEGGY S MCCracken (Graduate School Administration)

$1,248,000 07/01/2009 - 07/01/2014

Andrew W. Mellon Foundation

BARBARA DALY METCALF (LSA History)

$44,000 10/01/2009 - 09/30/2011

Miami University

Characterizing Novel Genes Involved in Estrogen Stimulated Growth in Breast Cancer

JAMES M RAE (Int Med-Hematology/Oncology)

with DAFYDD G THOMAS

$78,788 10/01/2009 - 09/30/2010
Michigan Pharmacists Association

Michigan Pharmacists Association (MPA) 2009 Pharmacist and Pharmacy Intern Economic Survey

CAROLINE A GAITHER  (PHARMACY Clin, Soc & Admin Sci)

with NANCY J W LEWIS
$4,000  11/05/2009 - 11/04/2010

Michigan, State of, Community Health, Department of

University of Michigan Technology & Campus Safety

CHARLES A NOFFSINGER  (Staff Operations Bureau)
$258,528  07/01/2009 - 06/30/2012

U-M DPS Bar Coding

CHARLES A NOFFSINGER  (Staff Operations Bureau)
$30,000  07/01/2009 - 06/30/2012

Integrated Care for Medicaid Consumers with Behavioral Health Care Needs

DAVID LEE NEAL  (Psychiatry Department)

with AMY MACLAY KILBOURNE
BRENT C WILLIAMS
CYNTHIA J EWELL FOSTER
DANIEL EISENBERG
DEEPIKA SABNIS
ELLEN L MOZURKEWICH
FREDERIC C BLOW
JULIE C LUMENG
KAREN K MILNER
KATHERINE LISA ROSENBLUM
KRISTEN L BARRY
LAYLA S MOHAMMED
MARIA MUZIK
MARJORIE C TREADWELL
MARK ANDREW ILGEN
PATRICK WILLIAM GIBBONS
SHEILA M MARCUS
SUSAN C MCDONOUGH
$741,975  10/01/2009 - 09/30/2010

Newborn Screening Program

RAM K MENON  (Pediatrics-Endocrinology)

with MING CHEN
SAMYA Z NASR
$520,159  10/01/2009 - 09/30/2010

Michigan, State of, Human Services, Department of

Family Independence Agency Referral Contract for the Family Assessment Clinic

KATHLEEN C FALLER  (School of Social Work)
$27,840  04/01/2009 - 03/31/2012

Michigan, State of, State Police, Department of

MCOLES-LED Fall 2009 Disbursement

CHALMERS F SANDERS  (Flint Safety)
$941  10/21/2009 - 12/31/2011
Michigan, State of, Transportation, Department of

*Improved Performance of Concrete Overlays*

WILL HANSEN (Civil & Environmental Engr)

$333,956  10/20/2009 - 05/15/2012

*Michigan Department of Transportation Advanced Traffic Management System (ATMS) Software Implementation Evaluation*

FRANCOIS DION (Transportation Systems Group)

$161,783  10/20/2009 - 12/31/2012

Michigan State University

*Germ Free Services - Michigan State/Mansfield*

KATHRYN A EATON (Lab Animal Medicine Unit)

$3,000  08/15/2009 - 05/31/2010

Microbiotix, Inc.

*Virology Studies with Cyclopropavir: A Drug for Cytomegalovirus Infections*

JOHN C DRACH (DENT Bio & Materials Science)

$54,461  11/10/2009 - 05/10/2010

Mount Sinai Medical Center, The

*Compound Screening*

GABRIELLE RUDENKO (Life Sciences Institute-Admin)

$222,519  09/30/2009 - 08/31/2010

National Business Group on Health

*National Business Group on Health: Addendum*

DEE W EDINGTON (School of Kinesiology)

$80,000  10/01/2008 - 09/30/2009

National Childhood Cancer Foundation

*Master Subcontract Between the Regents of the University of Michigan, The Children’s Oncology and the National Childhood Cancer Foundation, Contract #17506*

RAJEN J MODY (Pediatrics-Hematology/Oncology)

with JOHN E LEVINE

$28,695  03/01/2009 - 02/28/2010

*Children’s Oncology Group Phase I/Pilot Consortium - 2009-2010*

RAJEN J MODY (Pediatrics-Hematology/Oncology)

$27,054  08/01/2009 - 07/31/2010

*Children’s Oncology Group Phase I/Pilot Consortium - 2009-2010 - Subcontract 19246*

RAJEN J MODY (Pediatrics-Hematology/Oncology)

$22,465  06/01/2009 - 05/31/2011

*A Phase I Study of IMC-A12 (Anti-Insulin-Like Growth Factor-I Receptor Monoclonal Antibody) in Combination with CCI-779 (Temsirolimus) in Pediatric Patients with Recurrent or Refractory Solid Tumors (Subcontract 19195)*

RAJEN J MODY (Pediatrics-Hematology/Oncology)

$25,371  06/01/2009 - 05/31/2011
National Foundation for the Centers for Disease Control & Prevention Inc. (CDC Foundation)

*Universal Data and Serum Specimen Collection System for Hemophilia*

PAULA L BOCKENSTEDT  (Int Med-Hematology/Oncology)

$14,808  07/16/2009 - 01/15/2010

National Science Foundation

*TC: Small: In-Cloud Security Services for Mobile Devices*

FARNA M JAHANIAN  (COE EECS - CSE - SSRL)

$450,000  09/01/2009 - 08/31/2012

*CAREER: Defining the Biomechanical Role of the Extracellular Matrix in Capillary Morphogenesis: An Interdisciplinary Plan Integrating Research and Education*

ANDREW JAMES PUTNAM  (Biomedical Engineering)

$256,984  07/01/2009 - 04/30/2012

National Writing Project

*Oakland Michigan Writing Project*

LAURA JANE ROOP  (School of Education)

$5,000  07/01/2009 - 06/30/2010

New Vad L.L.C.

*A Research Proposal to the New Vad Corporation to Develop Advanced Speaker Tracking Technologies*

HOMER A NEAL  (LSA Physics)

with ROBERT LOUGHEED

$50,000  09/01/2009 - 06/30/2010

Northwestern University

*Far-from Equilibrium Materials Synthesis, Theory and Training Center*

SHARON C GLOTZER  (Chemical Engineering Dept)

$199,648  08/01/2009 - 07/31/2010

*Moving to Opportunity Increased Workscope for S8 Adults*

BETH-ELLEN PENNELL  (Survey Research Organization)

$117,896  12/01/2008 - 11/30/2009

Novartis

*Extension to a multicenter, randomized, crossover, open label, dose finding study to compare the safety, efficacy and PK/PD relationship of multiple doses of SOM230 (200, 400 and 600 ?g b.i.d.) and doses of open label Sandostatin (100 ?g t.i.d.) in acromegalic patients.*

ARIEL L BARKAN  (Metabolism, Endo & Diabetes)

$103,275  05/01/2009 - 04/30/2012

Oberlin College

*CPATH: Teaching Computational Thinking Through Integration of Dynamic Systems Modeling*

SCOTT E PAGE  (LSA Study of Complex Systems)

$29,925  09/01/2009 - 08/31/2010

Ohio State University Foundation

*OSU East Asian Studies Center Title VI: National Resource Center Year IV*

DONALD S LOPEZ JR  (LSA Asian Languages & Cultures)

$14,078  09/21/2009 - 04/16/2010
Ohio State University, The
NanoSPINS for In Vivo EPR-Based Spectroscopy and Imaging
RAOUL KOPELMAN  (LSA Chemistry)
$83,878  09/01/2009 - 08/31/2010

Pennsylvania, State of, Department of Education
Project IDEAL State Membership PA
JEROME JOHNSTON  (RCGD-Rsrch Cntr for Grp Dyn)
$1,500  07/01/2009 - 06/30/2010

Pennsylvania State University
Collaborative Research: Climatic Extremes, Mining, and Mycobacterium Ulcerans: A Coupled Approach
EDITH A PARKER  (Hlth Behavior & Hlth Ed Dept)
$29,999  09/01/2009 - 08/31/2014

Pfeiffer, Gustavus and Louise, Foundation
Parkinson's Disease: Interactions Between Stage of Disease, Treatment, and Motor and Cognitive Performance
RACHAEL D SEIDLER  (School of Kinesiology)
with MARTIJN LTM MULLER
PRAVEEN DAYALU
$74,991  01/01/2010 - 12/31/2010

Pfizer, Inc.
Modeling CKI Inhibition
DANIEL BARCLAY FORGER  (LSA Mathematics)
$120,000  10/20/2009 - 10/19/2010

Supplement: University of Michigan and Peking University Student Exchange Program
BRIAN P COPPOLA  (LSA Chemistry)
$48,000  07/01/2008 - 06/30/2011

Pixel Velocity
Real-time Arterial Elasticity Imaging
WILLIAM F WEITZEL III  (Int Med-Nephrology)
with DAVID BERREY KERSHAW
JONATHAN M RUBIN
$124,583  08/01/2009 - 07/31/2010

DCI Device Evaluation and Data Analysis 2 amendment
THEODORE J KOLIAS  (Int Med-Cardiology)
$16,580  02/01/2009 - 11/30/2009

Princeton University
The GigaScale Systems Research Center (GSRC)
TODD M AUSTIN  (COE EECS - CSE - ACAL)
with DENNIS MICHAEL SYLVESTER
SCOTT MAHLKE
SILVIO SAVARESE
VALERIA M BERTACCO
$725,000  11/01/2009 - 10/31/2010
Roche Laboratories
Pharmacokinetics of Oseltamivir in Critically Ill Patients
BRUCE A MUELLER (PHARMACY Clin, Soc & Admin Sci)
with MICHAEL HEUNG
$246,726 10/30/2009 - 10/15/2010

Pharmacokinetics of Oseltamivir in Pediatric Patients
BRUCE A MUELLER (PHARMACY Clin, Soc & Admin Sci)
with KRISTIN C KLEIN
$123,619 11/03/2009 - 10/15/2010

Roswell Park Cancer Institute
Novel Cancer Nanotechnology Platforms for Photodynamic Therapy and Imaging
RAOUL KOPELMAN (LSA Chemistry)
$140,345 08/01/2009 - 07/31/2010

Samchun Pure Chemical Co., Ltd
Support the Development of Materials for Solid Oxide Fuel Cells
CHEOL WON LEE (Dbn Col of Eng-Indust & Sys En)
$36,659 01/01/2010 - 12/31/2011

Sandia National Laboratories
Sandia PO 651105 -83408 task 03
JOHN WOODROFFE (UMTRI-Transp. Safety Analysis)
with DANIEL F BLOWER
OLIVER A PAGE
PAUL ERIC GREEN
$40,000 09/01/2009 - 12/31/2010

Development of Calderon Multiplicative Preconditioners with Method of Moments Algorithms
ERIC MICHELSSEN (COE EECS - ECE - Rad)
$40,000 10/28/2009 - 08/31/2010

Sanofi-Aventis Pharmaceuticals
Double Blind placebo controlled dose ranging study of the Efficacy and safety of celivarone at 50, 100 or 300 mg OD with/without Amiodarone as Calibrator for the Prevention of ICD Interventions or Death (Celivarone Study)
ERIC D GOOD (Int Med-Cardiology)
$95,864 11/02/2009 - 08/31/2011

Contract experiments to test EP2 antagonists for Sanofi-Aventis
MARC PETERS-GOLDEN (Int Med-Pulm./Critical Care)
$31,160 10/30/2009 - 03/01/2010

Science Applications International Corporation
Universal Diffusion Phantom for MRI System Assessment
THOMAS L CHENEVERT (Department of Radiology)
with CHARLES R MEYER
$112,198 09/01/2009 - 08/31/2010
Smithsonian Institution
High Resolution Spectroscopy of a Black Hole Transient
   JON MATTHEW MILLER   (LSA Astronomy)
   $63,000    11/06/2009 - 11/05/2011

Sonetics Ultrasound, Inc.
Technology Development for a Portable Real-Time 3D Ultrasound Unit
   J BRIAN FOWLKES   (Department of Radiology)
   $13,000    01/01/2009 - 12/31/2009

#2 Sonetics - Technology development
   J BRIAN FOWLKES   (Department of Radiology)
   $8,428    01/01/2009 - 12/31/2009

Source MDx
A Prospective, Multi-Center Prostate Cancer Individual Signature Evaluation (PReCISE) Trial in Patients Undergoing Scheduled Prostate Biopsy
   JOHN THOMAS WEI   (Urology Surgery)
   $84,859    11/23/2009 - 08/31/2010

SRC Education Alliance Research Fuse
Broadening Participation in Technology-Based Industries: The Research FuSE Research Fellows Program
   SANDRA R GREGERMAN   (LSA UG; UROP)
   $59,000    09/01/2009 - 08/31/2010

Stemnion Inc.
Rapid Wound Healing Technology Development Project. The Use of Amnion-Derived Cells and Their Products to Promote Rapid Healing in Acute and Chronic Wounds and Prevent Wound Failure
   MICHAEL G FRANZ   (General Surgery Section)
   with CYNTHIA L MARCELO
   LIYU XING
   $189,974    07/01/2009 - 06/30/2010

St. Jude Medical Foundation
St. Jude Medical Foundation 2009-2010 CCEP Fellowship Program
   FRANK PELOSI JR   (Int Med-Cardiology)
   $75,000    07/01/2009 - 06/30/2010

Toyota Motor Company, Ltd.
Robust Solar Concentrator System for Hydrogen Production
   KAZUHIRO SAITO   (Mechanical Engineering)
   $120,000    11/01/2009 - 02/28/2010

Uniting Against Lung Cancer
Regulation of Myc and microRNA in Small Cell Lung Cancer
   MATS E D LJUNGMAN   (Radiation Oncology - Ann Arbor)
   $100,000    10/01/2009 - 09/30/2011

Universal Display Corporation
SBIR 1 - Ultra High Efficiency OLED Lighting
   STEPHEN R FORREST   (COE EECS - ECE - SSEL)
   $10,000    07/20/2009 - 04/19/2010
University of California-San Diego

Biopsychosocial Determinants of Adolescent Obesity/Cardiovascular Risk

BETSY LOZOZZF (Center for Human Growth & Dev)

with JORGE DELVA
JULIE C LUMENG
NIKO KACIROTI
$46,995 01/01/2009 - 07/31/2009

Fundamental cyberinfrastructure for productive science and engineerin: identification of barriers to and enablers of successful projects

ANN S ZIMMERMAN (School of Information)
$97,497 09/01/2009 - 08/31/2011

University of California - San Francisco

Epilepsy Phenome/Genome Project (EPGP Study)

JACK M PARENT (Neurology Department)

with SIMON GLYNN
$115,945 05/01/2009 - 04/30/2010

University of Chicago

Youth Violence and Housing Programs to Deconcentrate Poverty

BRIAN AARON JACOB (FSPP CLOSUP)

$152,233 09/01/2009 - 08/31/2010

University of Florida, The

University of Florida L-band Scatterometer

ROGER DEAN DE ROO (Space Physics Research Lab)

$85,000 09/04/2009 - 10/01/2010

University of Luxembourg

Preventing violence and aggressive behavior in children and adolescents using interactive media instruments: an international research project (PREVAMI)

BRAD J BUSHMAN (RCGD-Aggression Research)

$25,000 05/15/2009 - 04/30/2012

University of Massachusetts

Physics Regulation of Microtubule Biomechanics.

DAVID SAMUEL SEPT (Biomedical Engineering)

$60,790 09/01/2009 - 08/31/2012

University of Minnesota

The Role of C/EBPbeta in Pulmonary Fibrosis

SEM H PHAN (Pathology Department)

$397,350 04/01/2009 - 03/31/2010
**University of North Carolina**

*Socioeconomic Disparities in Young Adult Health - Subcontract*

NARAYAN SASTRY (Pop Studies-Research)

with GEORGE A KAPLAN

$119,918 09/30/2009 - 08/31/2010

**Body and Soul Colon Screening**

KENNETH RESNICOW (Hlth Behavior & Hlth Ed Dept)

$30,833 09/30/2008 - 09/29/2010

**University of Pennsylvania**

*Retinopathy and Chronic Renal Insufficiency (RCRIC) Follow-up Study*

CRYSTAL A GADEGBEKU (Int Med-Nephrology)

$68,734 09/28/2009 - 08/31/2011

*Center on Continuous Instructional Improvement (CCII) - Issues in Scaling*

BRIAN P ROWAN (SOE-Educational Studies)

with DAVID K COHEN

$142,308 02/01/2009 - 11/17/2011

*MacArthur Foundation Research Network on Transitions to Adulthood Postdoctoral Fellowship*

SHELDON H DANZIGER (FSPP Pov Rsch Center)

$45,000 07/01/2009 - 06/30/2010

**University of Pittsburgh**

*Intestinal Failure in Child: A Contemporary Retrospective Review by the Pediatric Intestinal Failure Consortium*

DANIEL H TEITELBAUM (Pediatric Surgery Section)

$3,692 06/01/2009 - 05/31/2010

*Novel Intravaginal EMG Electrode to Study Levator Ani Muscle EMG Activity and Relation to Vaginal Closure Force in Women with and without Pelvic Organ Prolapse and/or Levator Ani Defects*

EDWARD A HURVITZ (Physical Medicine & Rehab Dept)

$124,200 07/01/2009 - 06/30/2010

*Anidulafungin versus fluconazole for the prevention of invasive fungal infections in high-risk liver transplant recipients: a randomized, double-blind trial*

SHAWN J PELLETIER (General Surgery Section)

$265,684 11/01/2009 - 10/31/2011

**University of Rochester**

*Large Scale Synthetic Genetic Analysis in C. Albicans*

ANUJ KUMAR (Life Sciences Institute-Admin)

$101,786 07/18/2009 - 06/30/2010

**University of Southern California**

*Energy Frontier Research Center*

STEPHEN R FORREST (COE EECS - ECE - SSEL)

$800,000 08/01/2009 - 07/31/2014
University of Virginia
*Molecular Characterization of a Human Salivary Gland Tumor Xenograft Bank*
   THOMAS J GIORDANO  (Pathology Department)
   $33,242  09/17/2009 - 08/31/2010

University of Washington
*Oxidative Oligomerization of Methane and Oxidation Catalysts*
   MELANIE S SANFORD  (LSA Chemistry)
   $167,517  08/01/2009 - 07/31/2010

*Oxidative Oligomerization of Methane and Oxidation Catalysts: Equipment Supplement*
   MELANIE S SANFORD  (LSA Chemistry)
   $92,675  11/05/2009 - 07/31/2010

University of Wisconsin
*Subsidies, Savings, and Sustainable Food Security: A Field Experiment in Mozambique*
   DEAN C YANG  (G. Ford Sc Pub Pol)
   $316,883  07/01/2009 - 09/30/2010

Upton, Frederick S., Foundation
*Civil War Research Fellowships*
   JONATHAN KEVIN GRAFFAGNINO  (Clements Library)
   $60,000  08/14/2009 - 08/14/2013

*Website Improvements at the Clements*
   JONATHAN KEVIN GRAFFAGNINO  (Clements Library)
   $7,000  07/03/2009 - 08/14/2010

US-Israel Binaional Science Foundation
*Development of Fast Response Muon Tracking Detectors for the SLHC*
   DANIEL S LEVIN  (LSA Physics)
   $86,000  10/01/2009 - 09/30/2013

Various Sponsors
*RECHARGE: Small Molecule Synthesis (NIH)*
   HOLLIS D SHOWALTER  (PHARMACY Medicinal Chemistry)
   SCOTT D LARSEN  (PHARMACY Medicinal Chemistry)
   $3,640  09/01/2009 - 08/31/2010

*Digital Preservation Workshops (Various Sponsors)*
   NANCY Y MCGOVERN  (ICPSR-Archival Development)
   $1  11/01/2009 - 10/31/2012

*Recharge: Transportation Data Center*
   CHARLES P COMPTON  (UMTRI-Data Center)
   $1,448  08/01/2007 - 07/31/2012

Wake Forest University
*Center for Dermatology Research*
   RAJESH BALKRISHNAN  (PHARMACY Clin, Soc & Admin Sci)
   $185,112  01/01/2009 - 12/31/2011
Washtenaw United Way

**WUW 2009/2010 (Blueprint for Aging)**

SHARON A REDMER (UMH Housing Bureau/Senior)

$27,431 07/01/2009 - 06/30/2010

Wayne State University

**Correlative Studies for a Phase I Dose-escalation Study of the Sonic Hedgehog Smoothened Antagonist GDC-0449 (NSC #747691) Plus Pan-notch Inhibitor RO4929097 (NSC #749225) Administered with Patients with Breast Cancer**

MAX S WICHA (Int Med-Hematology/Oncology) with DAVID C SMITH

HASAN KORKAYA

SULING LIU

$116,078 06/01/2009 - 05/31/2011

Wenner-Gren Foundation for Anthropological Research, Inc.

**Doctoral Dissertation Grant-Early Villages of the Dead Sea Basin: transitions in Pre-Pottery Neolithic social organization**

HENRY T WRIGHT (LSA Anthropology Museum)

$15,000 03/08/2010 - 05/22/2010

Winprobe Corporation

**Integrated Multifunctional Imaging of Deep Vein Thrombosis**

JONATHAN M RUBIN (Department of Radiology) with ULIYANA YANKEVICH

$126,000 10/01/2009 - 06/30/2010

Ypsilanti Public Schools

**Enabling Adolescents in Culturally Diverse Environments to Peacefully Resolve Ethnic Group Conflicts**

CHARLES D GARVIN (School of Social Work)

$3,500 09/01/2009 - 08/31/2010