The awards detailed in this list were established July 1, 2011 through April 30, 2012. 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 2011</th>
<th>Number of Awards FY 2012</th>
<th>% Change</th>
<th>Value of Awards FY 2011</th>
<th>Value of Awards FY 2012</th>
<th>% Change</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total Awards Processed (April)</td>
<td>213</td>
<td>189</td>
<td>-11.3%</td>
<td>$62,820,434</td>
<td>$53,214,231</td>
<td>-15.3%</td>
</tr>
<tr>
<td>Research Awards</td>
<td>156</td>
<td>130</td>
<td>-16.7%</td>
<td>$57,957,763</td>
<td>$39,865,256</td>
<td>-31.2%</td>
</tr>
<tr>
<td>Research Training</td>
<td>9</td>
<td>10</td>
<td>11.1%</td>
<td>$2,930,749</td>
<td>$7,618,333</td>
<td>159.9%</td>
</tr>
<tr>
<td>Other Sponsored Activity</td>
<td>48</td>
<td>49</td>
<td>2.1%</td>
<td>$1,931,922</td>
<td>$5,730,645</td>
<td>196.6%</td>
</tr>
</tbody>
</table>

The number of total awards processed and their corresponding dollar value in April continue the decline witnessed last month. The decline in dollar value is caused by the paralleling decline in the number of awards processed and not by the receipt of any large award over the last two months. As a result the year-to-date number and dollar totals of total awards have moved slightly into negative territory. It should be noted that the largest award received through the third quarter of FY 2012 is valued at $82.6 million. The largest award received through the third quarter of FY 2011 was $40.5 million.
<table>
<thead>
<tr>
<th></th>
<th>Federal Expendable Restricted</th>
<th>Other Funds</th>
<th>Total Expenditures</th>
</tr>
</thead>
<tbody>
<tr>
<td>March 2012</td>
<td>$588,170,643</td>
<td>$335,722,234</td>
<td>$923,892,877</td>
</tr>
<tr>
<td>March 2011</td>
<td>$609,383,558</td>
<td>$292,188,889</td>
<td>$901,572,447</td>
</tr>
<tr>
<td>Percent Change</td>
<td>-3.5%</td>
<td>14.9%</td>
<td>2.5%</td>
</tr>
</tbody>
</table>

Source: Office of Research and Sponsored Projects
Number of Awards Processed


Dollar Value of Awards Processed


Data Source: Office of Research and Sponsored Projects
AWARDS ESTABLISHED FOR RESEARCH AND OTHER SPONSORED ACTIVITIES

April 01, 2012 through April 30, 2012

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.

Allergan Pharmaceuticals, Inc.

In vitro study of the irradiation effect on SeriScaffold surgical scaffold

MATS E D LJUNGMAN (Radiation Oncology - Ann Arbor)

$3,000 03/26/2012 - 06/25/2013

American Association of Orthodontists Foundation

Central Biologic Mechanisms of FGFR-Associated Craniosynostosis

NAN E HATCH (DENT Orthodontics)

$25,000 07/01/2012 - 06/30/2013

Educational Innovation in Orthodontics: A Novel Multicenter Faculty Career Enrichments in Orthodontics (FACEs in Orthodontics) Consortium

RICHARD S CONLEY (DENT Orthodontics) SUNIL D KAPILA (DENT Orthodontics)

$49,775 07/01/2012 - 06/30/2013

American College of Rheumatology Research & Education Foundation

Biopsychosocial & Metabolic differences between Tophaceous & Non-Tophaceous Gout

PUJA KHANNA (Int Med-Rheumatology)

$32,292 10/01/2011 - 05/31/2012

American College of Surgeons

An Integrated Approach Towards Targeted Therapy for Prostate Cancer and Other Epithelial Cancers

ALFRED E CHANG (GSA - Surgical Oncology (SON))

$60,000 07/01/2012 - 06/30/2014

American Council of Learned Societies

Musicological Research and Writing: 17th Century Opera

LOUISE K STEIN (School of Music)

$65,000 07/01/2012 - 06/30/2013

American Gastroenterological Association

American Gastroenterological Association (AGA) Inservice Exam 2011

JAMES T FITZGERALD (Med Ed/Ofc of Ed Resources&Res)

$48,785 01/01/2011 - 12/31/2011

American Legacy Foundation

Tobacco DATTA

KENNETH E WARNER (Health Management and Policy)

$40,000 01/01/2012 - 12/31/2012

Workshop on Tobacco End-Game Strategies

KENNETH E WARNER (Health Management and Policy)

$39,956 03/01/2012 - 08/31/2012
American University of Beirut (AUB)

* AUB Data Collection Methods Training
  
  BETH-ELLEN PENNELL (Survey Research Organization)

  $5,000 04/01/2012 - 04/30/2012

Amgen, Inc.

* Amendment 5: Addl Patients 2008.081: An Open-label, Multi-center, Phase 2 Study of Denosumab in Subjects with Giant Cell Tumor of Bone

  SCOTT M SCHUETZE (Int Med-Hematology/Oncology)

  $116,512 04/05/2012 - 04/04/2016

Ascenta Therapeutics

* A PHASE I, OPEN LABEL, MULTI-CENTER, DOSE ESCALATION STUDY OF THE SAFETY, TOLERABILITY, PHARMACODYNAMIC AND PHARMACOKINETIC PROPERTIES OF ORALLY ADMINISTERED AT-406 IN PATIENTS WITH ADVANCED SOLID TUMORS AND LYMPHOMAS

  DAVID C SMITH (CTO-Phase 1)

  $14,875 12/08/2010 - 09/30/2012

Association for Continuing Education (ACE)

* Understanding the role of context in modulating drug reward

  TERRY E ROBINSON (LSA Psychology)

  $10,000 04/01/2012 - 03/31/2013

* Understanding the role of context in modulating drug reward

  TERRY E ROBINSON (LSA Psychology)

  $5,000 04/01/2012 - 03/31/2013

Bayer Corporation

* Amendment to Gadobutrol-enhanced MRA study of the supra-aortic vessels (GEMSAV)

  GAURANG V SHAH (Department of Radiology)

  $3,750 08/14/2011 - 07/13/2013

Blue Cross Blue Shield of Michigan Foundation

* Comorbidities of Lichen Sclerosus

  HOPE K HAEFNER (Obstetrics and Gynecology Dept)

  $10,000 04/01/2012 - 03/31/2013

Bosch-Rexroth Corporation

* Hydraulic Hybrid Modeling for Optimum Configuration of a Power-Split System for Large Commercial Vehicles

  HUEI PENG (Mechanical Engineering)

  $160,560 01/01/2012 - 12/31/2012

Brigham and Women's Hospital

* HPS 3 / TIMI 55: REVEAL (Randomized EValuation of the Effects of Anacetrapib through Lipid-modification): A large-scale, randomized placebo-controlled trial of the clinical effects of anacetrapib among people with established vascular disease

  MELVYN RUBENFIRE (Int Med-Cardiology)

  $12,000 11/01/2011 - 04/30/2012

* Evaluating Cardiometabolic and Sleep Health Benefits of a Workplace Intervention

  YI LI (Biostatistics Department)

  $76,169 02/01/2012 - 01/31/2013


California State University

Identification (or "Discovery and optimization") of antibacterial natural product compounds using target-specific sensitized Acinetobacter baumannii strains.

DAVID H SHERMAN (Life Sciences Institute)
$126,000 02/01/2012 - 01/31/2015

Cattell, James McKeen Fund

Research methods training to determine identity and connections of neurons

MARTIN FRIEDRICH SARTER (LSA Psychology)
$37,500 09/01/2012 - 08/31/2013

Commerce, Department of-National Institute of Standards & Technology

FY 2012 Summer Undergraduate Research Fellowship- NIST SURF: Sean Collins

MASATO KOREEDA (LSA Chemistry)
$8,281 05/01/2012 - 09/30/2012

Commerce, Department of-Office of the Secretary-Subcontracts

NHIS ACASI Project (Demographic Surveys Division IPA)

MICK P COUPER (SRC-Survey Methodology Prog)
$76,766 03/12/2012 - 03/31/2013

Community Foundation for Southeastern Michigan

The Boyle Family Fund of the Community Foundation

SUSAN JANE PRESSLER (SON-Grants)
$12,500 12/16/2011 - 03/31/2017

Conquer Cancer Foundation of ASCO

Genetic Analysis of Multiple Colon Neoplasias in a Novel 5q Deletion Syndrome: Unveiling the Molecular Evolution of Synchronous Colon Cancer and the Implications for Rational Therapy Design.

KATHLEEN A COONEY (Int Med-Hematology/Oncology)
$50,000 07/01/2012 - 06/30/2013

Converteam Naval Systems, Inc

Real-time Model Predictive Control for Shipboard Power and Energy Management

JING SUN (Naval Arch & Marine Dept)
$61,000 02/02/2012 - 12/22/2012

Cornerstone Therapeutics

A Comparison of Immediate Changes in Pulmonary Compliance between Curosurf and Survanta in Preterm Infants with Respiratory Distress Syndrome

STEVEN M DONN (Pediatrics-Neonatal/Perinatal)
with MOHAMMAD ALI ATTAR
$105,604 01/09/2012 - 01/08/2017

Defense, Department of-Army, Department of the

Semi-inner-products in Banach Spaces with Applications to Regularized Learning, Sampling, and Sparse Approximation

JUN ZHANG (LSA Psychology)
with ANNA CATHERINE GILBERT
$79,565 05/01/2012 - 01/31/2013
Defense, Department of-National Security Agency
Conference on Long-Range Dependence Self-Similarity, and Heavy Tails
STILIAN ATANASOV STOEV (LSA Statistics)
$13,000 04/09/2012 - 04/08/2013

Defense, Department of-Navy, Department of the
Strategies for Developing Sensors Based on Molecular Gelation and Their Application in Explosives Detection
ANNE JENNIFER MCNEIL (LSA Chemistry)
$185,014 07/01/2012 - 08/30/2013

ROBERT KRASNY (LSA Mathematics)
$80,000 04/01/2012 - 09/30/2013

EFFICIENT MODELING AND ALGORITHMS FOR DYNAMIC FORCE-LEVEL RESOURCE MANAGEMENT
ANOUCK RENEE GIRARD (Aerospace Engineering)
with PIERRE TSHIMANGA KABAMBA
$178,242 05/01/2012 - 10/31/2013

Delta Dental Fund
Periodontal Diseas Prevention Study - Amendment 1
WILLIAM V GIANNOBILE (DENT Periodontics and Oral Med)
$74,627 08/01/2010 - 07/31/2012

Denso Corporation
Automotive Analysis Affiliates Program
BRUCE M BELZOWSKI (UMTRI-Automotive Analysis Div.)
$7,500 05/09/2012 - 05/08/2013

Detroit Diesel Corporation
Controls for Ambient Variability and Fuel Flexibility in Heavy Duty Diesel Engines
ANNA G STEFANOPoulos (Mechanical Engineering)
$154,080 02/07/2012 - 02/06/2013

Duke University
Trend and Trajectories of Oral Health among Older Americans: Cognitive Function
JERSEY LIANG (Health Management and Policy)
with JOAN MARIE BENNETT
$102,543 09/02/2011 - 03/31/2012

Implementation Science to Optimize Malaria Vector Control and Disease Management
MARIE LYNN MIRANDA (CEHI-Children's Evn Hlth In)
$68,383 09/01/2011 - 06/30/2012

Accelerating Adoption of Comparative Effectiveness Research in Premature Infants
MARIE LYNN MIRANDA (CEHI-Children's Evn Hlth In)
$310,588 09/01/2011 - 08/31/2013

Deiodinase Activity as a Biomarker of Response to Brominated Flame Retardants
MARIE LYNN MIRANDA (CEHI-Children's Evn Hlth In)
$225,083 09/01/2011 - 06/30/2013
**Endo Pharmaceuticals**

*Prediction of Impaired Survival in Bladder Cancer Patients Opting for Radical Cystectomy*

CHERYL T LEE (Urology)  
with MICHAEL J ENGLESBE  
PEARL LEE  
$174,726 09/01/2011 - 03/31/2012

**Energy, Department of**

*U.S. Offshore Wind: Removing Market Barriers: Measurement and Analysis of Extreme Wave and Ice Actions in the Great Lakes for Offshore Wind Platform Design*

GUY A MEADOWS (U of M Energy Institute)  
with DALE G KARR  
DAVID R LYZENGA  
LORELLE ANNISE MEADOWS  
OKEY NWOGU  
$243,010 09/30/2011 - 09/30/2012

**Environmental Protection Agency**

*Cell-Free Neurochemical Screening Assays to Predict Adverse Effects in Mammals, Fish, and Birds*

NILADRI BASU (Environmental Health Sciences)  
with JESSICA HEAD  
$1,199,222 03/01/2012 - 02/28/2015

**ev3 Endovascular, Inc**

*A Clinical Database and Advancing Clinical Research*

ADITYA S PANDEY (Neurosurgery)  
$57,440 11/01/2011 - 08/31/2012

**Federal Reserve System**

*Household Financial Behavior - 2012 Supplement*

RICHARD T CURTIN (SRC-Surveys of Consumers)  
$68,092 01/01/2012 - 12/31/2012

**Flinn, Ethel and James, Foundation**

*Homefront Strong: Promoting Resiliency in Military Spouses and Families*

MICHELLE RENEE KEESE (Psychiatry Child Services)  
$50,000 01/01/2012 - 12/31/2012

**Flora of North America Association**

*Taxonomic Editor for the Flora of North America Association*

RICHARD K RABELER (LSA Herbarium)  
$7,766 04/01/2012 - 03/31/2013

**Ford Motor Company**

*Models and Methods for Analysis of Defaults and Payoff Liquidation*

VIJAYAN N NAIR (LSA Statistics)  
$87,413 03/01/2012 - 02/28/2013

*Characterization of Surfaces and Interfaces of Nanomaterials*

KAI SUN (Materials Science & Engin.)  
$15,667 06/01/2012 - 12/31/2012
Antimicrobial peptides against Mycobacteria
ERDOGAN GULARI (Chemical Engineering Dept)
$100,000 05/01/2012 - 10/31/2013

Guardian Industries
Manufacturing of Graphene Films on Glass
ANASTASIOS JOHN HART (Mechanical Engineering)
$119,220 04/16/2012 - 04/15/2013

Harvard University
Harlem Children’s Zone Workslope Supplement
ROBIN TEPPER JACOB (Education and Well Being)
$129,033 07/01/2011 - 06/30/2013

Research and policy initiatives for financial stability
MICHAEL S BARR (Law Research Faculty Activity)
$78,620 07/01/2011 - 12/31/2012

Digital Public Library of America (DPLA) Financial/Business Models Workstream
PAUL N COURANT (Library Dean - General)
$55,000 10/19/2011 - 10/18/2012

Health and Human Services, Department of-Health Resources and Services Administration
Ryan White Part C Outpatient EIS Program
POWEL H KAZANJIAN (Int Med-Infectious Diseases)
with DANIEL RICHARD KAUL
JAMES RIDDELL IV
SANDRO KURT CINTI
TEJAL N GANDHI
$1,584,568 09/30/1996 - 12/31/2014

Health and Human Services, Department of-National Institutes of Health
Role of Transcriptional Corepressor CtBP1 in Prostate Cancer Progression
SOORYANARAYANA LNU (Ctr fr Translational Pathology)
with CHRISTOPHER A MAHER
MUKEISH KUMAR NYATI
SHANKER KALYANA SUNDARAM
$1,613,315 05/01/2012 - 04/30/2017

Training in Clinical and Basic Neuroscience
EVA L FELDMAN (Neurology Department)
with ROGER L ALBIN
$1,280,240 07/01/2012 - 06/30/2017

Forging a road to personalized medicine in interstitial lung diseases
KEVIN R FLAHERTY (Int Med-Pulm./Critical Care)
with SUSAN MURRAY
$948,560 05/01/2012 - 04/30/2017

Variability in Responsivity to Drug Cues
TERRY E ROBINSON (LSA Psychology)
$65,468 05/01/2012 - 04/30/2014
Asymmetric chromosome strand inheritance during germline stem cell division in Drosophila
YUKIKO YAMASHITA (Life Sciences Institute-Admin)
$98,949 05/01/2012 - 04/30/2015

Variation in Motivational Properties of Reward Cues: Implications for Addiction
TERRY E ROBINSON (LSA Psychology)
with BRANDON J ARAGONA
EDWARD D ROTHMAN
J WAYNE ALDRIDGE
MARTIN FRIEDRICH SARTER
PAUL JOHN MEYER
SHELLY BETH FLAGEL
$6,346,666 04/15/2012 - 03/31/2017

Exploring a role for regulation of TGFbeta signaling during photoreceptor regeneration in the zebrafish neural retina
PAMELA A RAYMOND (LSA Molec./Cell./Develop. Bio)
$106,132 04/01/2012 - 03/31/2014

Best Practices in Telemedicine Symposium-Workshop
RASHID L BASHSHUR (UMH Telemedicine Core)
$20,000 04/01/2011 - 09/30/2012

Social Science Training in Population Studies
PAMELA J SMOCK (Pop Studies-Research)
$2,999,878 05/01/2012 - 04/30/2017

Training in the Demography and Economics of Aging
JOHN BOUND (Pop Studies-Research)
$2,894,435 05/01/2012 - 04/30/2017

Brain tumor restricts developmental potential in intermediate progenitor cells
CHENG-YU LEE (Life Sciences Institute-Admin)
$1,673,947 05/01/2012 - 04/30/2017

Control of iron absorption by intestinal HIF2 in iron and hematological disorders
YATRIK M SHAH (Molec & Integrative Physiology)
$1,331,640 04/01/2012 - 02/28/2016

PhScN as a Potent Agent for Use with Radiation in Pancreatic Cancer
DONNA L LIVANT (Radiation Oncology - Can Bio)
with THEODORE S LAWRENCE
$155,500 04/01/2012 - 03/31/2014

Infectious Links Between Psychosocial Stress and Aging
ALLISON ELIZABETH AIELLO (Epidemiology Department)
with ANA V DIEZ ROUX
ERIN MARCELLA REES CLAYTON
$1,762,594 04/15/2012 - 03/31/2015

RGS modulation of 5HT1A receptor signaling in depression
JOHN R TRAYNOR (Pharmacology Department)
with EMILY M JUTKIEWICZ
QIN WANG
$427,625 04/04/2012 - 03/31/2014
Pharmacology of Dopamine Release by Amphetamine
MARGARET E GNEY (Pharmacology Department)

with BIPASHA GUPTAROY
EMILY M JUTKIEWICZ
RICHARD ROBERT NEUBIG

$2,191,439 04/01/2012 - 03/31/2017

Design of MEK Inhibitor Regimens for the Treatment of Pancreatic Cancer
JUDITH LEOPOLD (Department of Radiology)

with ALNAWAZ REHMTULLA
BRIAN DALE ROSS
EDGAR BEN-JOSEF
TIMOTHY D JOHNSON

$1,932,541 04/01/2012 - 03/31/2017

Matrix biomarkers and compartmentalization in IPF
ERIC S WHITE (Int Med-Pulm./Critical Care)

with FERNANDO JOSE MARTINEZ
KEVIN R FLAHERTY
SUSAN MURRAY

$1,867,452 05/01/2012 - 04/30/2016

Systems Biology of Kidney Disease
MATTHIAS KRETZLER (Int Med-Nephrology)

$12,000 06/01/2012 - 05/31/2013

Optimization and Simulation of Kidney Paired Donation Programs
JOHN D KALBFLEISCH (Biostatistics Department)

with ALAN B LEICHTMAN
PETER XUEKUN SONG

$1,337,081 04/25/2012 - 03/31/2016

Rescued Secretion of Misfolded Mutant Proinsulin
PETER ARVAN (Metabolism, Endo & Diabetes)

$92,450 07/01/2012 - 06/30/2015

The 18th Hemoglobin Switching Conference
JAMES DOUGLAS ENGEL (Cell and Developmental Biology)

$20,000 05/01/2012 - 04/30/2013

Integrating immunology, epidemiology, and evolution to understand and control pertussis transmission
AARON ALAN KING (LSA Ecology & Evolutionary Bio)
PEJMAN ROHANI (LSA Ecology & Evolutionary Bio)

$1,708,337 05/01/2012 - 04/30/2017

Antibacterial Perfluorocarbon Ventilation to Treat Severe Respiratory Infections
KEITH E COOK (GSA - Acute Care Surgery (ACS))

$155,500 05/01/2012 - 04/30/2014

Single Cell with One Particle Entry (SCOPE) for Study of HIV Infection
WEI CHENG (PHARMACY Pharmaceutical Sci)

$122,870 09/30/2011 - 08/31/2016
Homeland Security, Department of
IPA Assignment in Cyber Security Division of Department of Homeland Security Science and Technology Directorate
MANISH KARIR (ITCS-Merit Network)
$150,097 04/02/2012 - 04/01/2013

Hyundai Motor Company and Kia Motors Corporation
Research Training and Experience Program: Simulation of Automated Transmission for Shift Quality and Control
DOHOY JUNG (Dbn Coll of Eng-Mechanical Eng)
with YI ZHANG
$66,064 04/15/2012 - 04/14/2013
Research Training and Experience Program: Optimization of Variable Valve System in a Gasoline Engine
DOHOY JUNG (Dbn Coll of Eng-Mechanical Eng)
$71,395 04/01/2012 - 03/31/2013

IFS North America
NSF/I/UCRC IMS - Conference hosting
JUN NI (CoE Wu Mfg Research Center)
$2,000 05/17/2012 - 05/18/2012

Infectious Diseases Society of America
Editorial Office for Clinical Infectious Diseases
PREETI N MALANI (Int Med-Infectious Diseases)
$37,050 01/01/2012 - 12/31/2012

Institute of International Education
Research and Action: New Mobility Solutions in Beijing and Detroit - Supplement
SUSAN ZIELINSKI (UMTRI - SMART Program)
$50,000 03/19/2012 - 12/31/2013

Janssen Alzheimer Immunotherapy Research and Development, LLC
A Phase 3 Extension, Multicenter, Double-Blind Long Term Safety and Tolerability Treatment Trial of Bapineuzumab (AAB-001, ELN115727) in subjects with Alzheimer’s Disease who Participated in Study ELN115727-301 or in Study ELN115727-302.
NANCY R BARBAS (Neurology Department)
$301,013 02/08/2012 - 01/31/2015

Jet Propulsion Laboratory
Resolving Planet-Cleared Gaps in Transitional and Pre-Transitional Disk with Near-/Mid-Infrared- & Sub-mm Interferometry
JOHN D MONNIER (LSA Astronomy)
$20,000 03/01/2012 - 03/01/2014
Johns Hopkins University

**TBCRC24-A Phase 1 Study of Veliparib Administered Concurrently with Chest Wall and Nodal Radiation Therapy in Patients with Inflammatory or Loco-regionally Recurrent Breast Cancer**

RESHMA JAGSI (Radiation Oncology - Ann Arbor)

with LORI J PIERCE

$6,070 04/01/2012 - 09/30/2012

**MUST Trial amendment Year 8 extension**

SUSAN G ELNER (Ophthalmology & Visual Science)

$33,893 01/01/2012 - 04/30/2012

Johnson Controls, Inc.

**Crash and Morphomics Data Study on Injury in Obese MVC Occupants**

STEWART C WANG (GSA - Acute Care Surgery (ACS))

$42,565 10/06/2011 - 02/28/2012

Johnson, Robert Wood, Foundation

**Impacts of Public Announcements of Goals and Outcomes on Goal Completion**

PAUL J RESNICK (School of Information)

with CAROLINE R RICHARDSON

ERIN LEA KRUPKA

$100,000 04/01/2012 - 09/30/2013

Juvenile Diabetes Research Foundation International (JDRF)

**Evaluation of Diabetic Retinal Sensory Neuropathy**

THOMAS GARDNER (Ophthalmology & Visual Science)

$150,000 03/01/2012 - 12/31/2014

JV Biolabs

**Monoclonal antibodies to OFA: Therapeutic and diagnostic potential**

JAMES VARANI (Pathology Department)

$301,413 04/01/2012 - 03/31/2013

Leukemia and Lymphoma Society

**Regulation of acute myeloid leukemia by MOF/KAT8**

YALI DOU (Pathology Department)

$550,000 07/01/2012 - 06/30/2017

LGMD2i Research Fund

**Zebrafish models of congenital muscular dystrophies**

JAMES DOWLING (Pediatrics-Neurology)

$41,829 02/01/2012 - 01/31/2013

Lilly, Eli, and Company

**Methods for Treatment and Analysis Dropout in Clinical Trials**

JEREMY MICHAEL GEORGE TAYLOR (Biostatistics Department)

with RODERICK J LITTLE

$20,000 04/10/2012 - 12/31/2012
Mac Aids Fund
Social Vulnerabilities & HIV/AIDS Among African American & Latino Young Men Who Have Sex With Men in Detroit Metro Area
JOSE ARTURO BAUERMEISTER (Hlth Behavior & Hlth Ed Dept)
$56,348 04/02/2012 - 04/01/2013

Marsha Rivkin Center for Ovarian Cancer Research
Human myeloid suppressor cells maintain ovarian cancer stemness
ILONA E KRYCZEK (Surgery Department)
$75,000 04/01/2012 - 03/31/2013

Mathematical Association of America
The Young People's Project - Michigan
ROBERT E MEGGINSON (LSA Mathematics)
$6,000 04/04/2012 - 08/31/2013

Mayo Clinic
Genetic Determinants of Urine Lithogenicity - Yr2 Additional Funding
SHARON REILLY KARDIA (Epidemiology Department)
$60,000 03/01/2012 - 02/28/2013

McFarlan Home, Inc
Whaley Historical House Internship
THOMAS C HENTHORN (Flint History)
$1,000 08/01/2012 - 12/31/2012

Medpace, Inc
A Phase 3, Randomized, Double-Blind, Placebo-Controlled, Parallel Group Study to Assess the Safety and Efficacy of Two Different Regimens of Mipomersen in Patients with Familial Hypercholesterolemia and Inadequately Controlled Low-Density Lipoprotein Cholesterol
ROBERT DANIEL BROOK (Int Med-Cardiology)
with MELVYN RUBENFIRE
$81,204 04/22/2012 - 12/31/2013

Mercury Data Systems
High-performance Personal Dead-reckoning System
JOHANN BORENSTEIN (Mechanical Engineering)
$114,994 04/01/2012 - 10/01/2012

Michigan Coalition Against Domestic and Sexual Violence, The (MCADSV)
New Visions: Alliance to End Violence in Asian/Asian American Communities (Yr 9)
MIEKO YOSHIHAMA (School of Social Work)
$51,500 01/30/2012 - 01/29/2013

Michigan, State of, Community Health, Department of
State Burn Coordinating Center
STEWART C WANG (GSA - Acute Care Surgery (ACS))
$111,207 03/01/2012 - 09/30/2012
Enhancing a GIS-based decision support tool for evaluating windfarm sitings in Michigan’s coastal waters

KEVIN ELDON WEHRLY (Sch of Nat Resources & Environ)
with JAMES EDWARD BRECK
$28,500 01/01/2012 - 03/31/2013

Michigan, State of, Michigan Council for Arts and Cultural Affairs

MCACA FY12 Operating Support

JOSEPH G ROSA (General Museum)
$15,000 01/01/2012 - 09/30/2012

Michigan, State of, Michigan Economic Development Corporation

MIIE/MUCI Proposal for UTACP

MARVIN G PARNES (Office of Technology Transfer)
with TINA IRENE BISSELL
$2,400,000 01/01/2012 - 12/31/2013

Michigan, State of, State Police, Department of

Technical Assistance Project

CAROL ANN FLANNAGAN (UMTRI-Data Center)
with CHARLES P COMPTON
DAVID W EBY
JONATHAN DAVID RUPP
$51,942 03/01/2012 - 09/30/2012

Michigan, State of, Strategic Fund

MI GEARUP Year 1: UMD supplement

ANN YOLANDA LAMPKIN-WILLIAMS (Dbn Enrlmt Mgmt & Student Life)
$11,331 03/01/2012 - 09/25/2012

Michigan State University

Assisted Reproductive Technology & Risk of Childhood Cancer

MORTON B BROWN (Biostatistics Department)
$314,620 03/01/2012 - 02/29/2016

Developing and Testing a Model to Support Student Understanding of the Sub-Microscopic Interactions that Govern Biological and Chemical Processes (FORCES)

SHAWN YVETTE STEVENS (SOE-Educational Studies)
with LEEANN MARIE SUTHERLAND
NAMSOO SHIN
$71,109 09/01/2011 - 08/31/2012

MPI Research

Histological Services for MPI Research Inc.

RICHARD A ALTSCHULER (Kresge Hearing Research Inst)
$1,878 02/02/2012 - 04/30/2013
National Aeronautics and Space Administration

Spectroscopic Diagnostics of Solar Plasmas with CHIANTI
   ENRICO LANDI  (Atm, Oceanic & Space Sci.)
   $276,708  11/22/2010 - 11/21/2013

The Rise and Fall of Globular Clusters in Hierarchical Cosmology
   OLEG Y GNEDIN  (LSA Astronomy)
   $387,933  02/22/2012 - 02/21/2015

Data Services Upgrade: A Seamless System for Accessing Upper Atmosphere Research Satellite/High Resolution Doppler Imager (UARS/HRDI) and TIMED Doppler
   WILBERT R SKINNER  (Space Physics Research Lab)
   with RICK J NICIEJEWSKI
   $49,881  04/01/2012 - 03/31/2013

Michigan Space Grant Consortium
Proposal for the 2011 Congressionally-Directed Augmentation Opportunity for Designated Consortia
   ALEC D GALLIMORE  (Aerospace Engineering)
   $215,000  06/14/2010 - 06/13/2015

National Bureau of Economic Research

Why are Some Charter Schools More Effective than Others? Econometric Methods and Empirical Evidence from Massachusetts, Michigan, and Texas.
   SUSAN MARIE DYNARSKI  (G. Ford Sc Pub Pol)
   $75,050  09/01/2012 - 08/31/2013

National Marrow Donor Program (NMDP)

Amendment for CIBMTR RDSafe A Multicenter Study of Hematopoietic Stem Cell Donor Safety and Quality of Life
   JOHN E LEVINE  (Pediatrics-Hematology/Oncology)
   with STEVEN C GOLDSTEIN
   $6,250  02/01/2012 - 09/30/2013

National Science Foundation

Collaborative Research: Expeditions in Computer Augmented Program Engineering (ExCAPE): Harnessing Synthesis for Software Design
   STEPHANE LAFORTUNE  (COE EECS - ECE - Con)
   $500,000  04/01/2012 - 03/31/2017

Integrating Design Heuristics into Engineering Education as a Pedagogy for Ideation
   SHANNA DALY  (CoE CRLT-Engin)
   $199,778  04/15/2012 - 03/31/2014

CEDAR Collaborative Research: Development and application of a multi-site observing network to study mid-latitude thermospheric dynamics
   AARON JAMES RIDLEY  (Atm, Oceanic & Space Sci.)
   $173,666  05/01/2012 - 04/30/2015

Collaborative Research: SEED-PA. A Practical Instrument for Assessing Individual Ethics Initiatives
   CYNTHIA J FINELLI  (CoE CRLT-Engin)
   $86,656  04/15/2012 - 03/31/2014
Language Processing as Boundedly Optimal Control of Memory, Perception, and Action

RICHARD L LEWIS (LSA Psychology)

with SATINDER SINGH BAVEJA

$401,267 05/01/2012 - 04/30/2015

Distributional Politics and Social Protection: the Fourth Module of the Comparative Study of Electoral Systems (CSES)

NANCY E BURNS (CPS-Research)

$298,983 08/01/2012 - 07/31/2014

Gauging Racial Attitudes Prior to World War II

HOWARD SCHUMAN (SRC-Survey Research Center)

with AMY DOROTHY CORNING
CHARLOTTE G STEEH

$80,000 04/01/2012 - 03/31/2013

Living in the Nuclear Archipelago: Cold War Technopolitics and U.S. Nuclear Submarines in Italy

GABRIELLE HECHT (LSA History)

$14,500 04/01/2012 - 03/31/2013

FRG: Collaborative Research: Gromov-Witten Theory

YONGBIN RUAN (LSA Mathematics)

$320,000 04/01/2012 - 03/31/2015

Problems in Algebraic Geometry

ROBERT K LAZARSFELD (LSA Mathematics)

$670,000 07/01/2012 - 06/30/2017

Retrospective Cost Adaptive Control of Nonlinear Systems Using Ersatz Nonlinear Models

DENNIS S BERNSTEIN (Aerospace Engineering)

$250,001 09/01/2012 - 08/31/2015

Arithmetic of automorphic forms: cycles, periods and p-adic

KARTIK PRASANNA (LSA Mathematics)

$400,000 07/01/2012 - 06/30/2015

Interactions between p-adic arithmetic geometry and commutative algebra

BHARGAV BHATT (LSA Mathematics)

$98,975 07/01/2012 - 06/30/2015

Random Matrices and Geometric Functional Analysis

MARK RUDELSON (LSA Mathematics)

$198,001 07/01/2012 - 06/30/2015

Polynomial mappings and related matters

MICHAEL E ZIEVE (LSA Mathematics)

$321,003 09/01/2012 - 08/31/2015

High-Performance Vertical Nanowire Heterojunction Transistors

WEI LU (COE EECS - ECE - SSEL)

$300,000 06/01/2012 - 05/31/2015

Digitization TCN: Collaborative: The Macrofungi Collection Consortium: Unlocking a Biodiversity Resource for Understanding Biotic Interactions, Nutrient Cycling and Human Affairs

TIMOTHY Y JAMES (LSA Ecology & Evolutionary Bio)

$455,210 07/01/2012 - 06/30/2015
Dissertation Research: Adaptive divergence in Anopheles gambiae (with gene flow): facilitation via chromosomal inversions

L LACEY KNOWLES (LSA Ecology & Evolutionary Bio)
$15,000  06/01/2012 - 05/31/2014

Spatio-Temporal Dependence and Extremes with Applications to Networking and the Environment

STILIAN ATANASOV STOEV (LSA Statistics)
$60,000  04/09/2012 - 07/31/2014

Workshop at ICP 2012 Conference

TABBYE MARIA CHAVOUS (SOE-Educational Studies)
$39,655  04/15/2012 - 12/31/2012

CAREER: Understanding and Controlling the Integration of Magnetism into Semiconducting Mixed Metal Chalcogenides

PIERRE FERDINAND POUDEU-PODEU (Materials Science & Engin.)
$350,498  01/01/2012 - 12/31/2015

Wideband Antennas Embedded in Armored Windows of Tactical Vehicles

KAMAL SARABANDI (COE EECS - ECE - Rad)
with ADIB YACOUB NASHASHIBI
$220,000  04/24/2012 - 08/31/2014

REU Supplement: Mechanics of Intraocular Pressure Increase Associated with Genetic Factors 2012

ALAN ARGENTO (Dbn Coll of Eng-Mechanical Eng)
$12,000  04/18/2012 - 08/31/2014

National Surgical Adjuvant Breast and Bowel Project (NSABP) Foundation, Inc.

A study to evaluate different decision-making approaches used by women known to be at high risk for breast cancer (Year 26)

ANGELA TSAI FAGERLIN (Int Med-General Medicine)
with SARAH T HAWLEY
$17,572  06/01/2011 - 05/31/2012

National Trauma Institute (NTI)

Hepcidin and Anemia in Trauma

LENA M NAPOLITANO (GSA - Acute Care Surgery (ACS))
$154,109  03/30/2012 - 03/29/2013

Oakland, County of

Jobs for Michigan

GEORGE A FULTON (IRLEE)
$30,500  03/16/2012 - 09/29/2012

Ocuscience

Reproducibility & tolerability of visual tests used to evaluate non exudative AMD

GRANT M COMER (Ophthalmology & Visual Science)
$60,000  03/20/2012 - 09/20/2012

Ohio State University, The

Various Gynecologic Oncology Group (GOG) Protocols

CAROLYN MARIE JOHNSTON (Obstetrics and Gynecology Dept)
$40,000  04/01/2010 - 03/31/2013
Multi-Center Phase 3 Trial of Minocycline HCl 1mg Microspheres for the Use in Subjects with Peri-Implantitis: Clinical and Microbiological Evaluations

WILLIAM V GIANNobile (DENT Periodontics and Oral Med)
with JANET SUE KINNEY
TAE-JU OH
$126,500 04/17/2012 - 12/31/2013

Parexel International Corporation
A Phase III Multi-center Randomized, Double-blind, Placebo-controlled, 52-Week Study to Evaluate the Efficacy and Safety of Subcutaneous LY2127399 in Patients with Systemic Lupus Erythematosus (SLE), protocol H9B-MC-BCDT

WILLIAM J MCCUNE (Int Med-Rheumatology)
with TANIA GONZALES-RIVERA
$181,559 04/09/2012 - 03/31/2014

Presbyterian Villages of Michigan (PVM) Foundation
PVM and Hannan Foundation Strategic Alliance to Create Service Villages of Michigan

RUTH E DUNKLE (School of Social Work)
with KAREN HARLOW-ROSENTRAUB
$200,000 12/19/2011 - 12/18/2013

Princeton University
ACTPol: The Atacama Cosmology Telescope with Polarization

JEFFREY JOHN MCMahON (LSA Physics)
$115,775 09/01/2011 - 08/31/2012

Pusan National University
Management of microbubbles in ship wake

STEVEN L CECCIO (Naval Arch & Marine Dept)

Energy Saving Advanced Concept Propulsors

YIN LU YOUNG (Naval Arch & Marine Dept)

Registrat
Registry study protocol P06-134, a 5-year non-interventional registry study of HUMIRA (Adalimumab) in subjects with moderately to severely active Crohn's disease (CD)

ELLEN MARY ZIMMERMANN (Int Med-Gastroenterology)
$19,000 06/01/2011 - 12/08/2015

Rights and Resources Initiative (RRI)
Mapping Forest Cover and Poverty Globally

ARUN AGRAWAL (CPS-Research)
$131,497 02/01/2012 - 11/30/2012
Robarts Clinical Trials - Robarts Research Institute

A Randomized Double-blind, Placebo-Controlled Study to Investigate the Efficacy and Safety of GSK1605786A in the Treatment of Subjects with Moderately to Severely Active Crohn's Disease (GSK 151 amendment 1, additional funds)

PETER DOYLE HIGGINS  (Int Med-Gastroenterology)
$12,725  04/01/2011 - 03/31/2013

A 52 week Randomised, Double-blind, Placebo-controlled Study to Investigate the Efficacy and Safety of GSK1605786A in the Maintenance of Remission in Subjects with Crohn's Disease (GSK 157 amendment 1 additional funds)

PETER DOYLE HIGGINS  (Int Med-Gastroenterology)
$375  06/01/2011 - 05/31/2013

Sanford-Burnham Medical Research Institute

RECHARGE Pathology Core (PCAR) Services - SBMRI/NIH

JOHN ERBY WILKINSON  (Lab Animal Medicine Unit)
$538  03/01/2012 - 02/28/2013

Sarcoma Alliance for Research Through Collaboration (SARC)

Database Management Services for SARC 005 (II)

THOMAS PATRICK SHANLEY  (MICHR - Operations)
$6,561  01/01/2011 - 08/31/2011

Semiconductor Research Corporation

Molecular Ordering and Diffusion at Buried Interfaces and Their Relations to Adhesion in Packaging

ZHAN CHEN  (LSA Chemistry)
$99,927  06/01/2012 - 05/31/2013

Developing Metrology to Characterize Molecular Structures of Surfaces, Buried Interfaces, and Bulk Media of Low-k Dielectrics

ZHAN CHEN  (LSA Chemistry)
$99,927  06/01/2012 - 05/31/2013

Seoul National University

Tailoring Organic Emitters for Emissive Device and Sensor Fabrication

JINSANG KIM  (Materials Science & Engin.)
$6,000  03/01/2012 - 08/31/2012

Sloan, Alfred P., Foundation

An Audit Study of the Determinants of Reemployment With Special Focus on Older Workers

DANIEL SUSMAN SILVERMAN  (SRC - Life-Cycle Economics)
$384,514  06/01/2012 - 06/01/2014

Solid State Scientific Corporation

Theoretical Basis for Band Selection Through the Treatment of Hyperspectral Analysis as Sensor Fusion Problem

RAJESH RAO NADAKUDITI  (COE EECS - ECE - Cspl)
$61,980  04/15/2012 - 04/14/2013

The Association of State and Territorial Health Officials (ASTHO)

Addressing legal barriers to the effective response to infectious disease outbreak

PETER D JACOBSON  (Health Management and Policy)
$50,000  02/20/2012 - 05/31/2012
<table>
<thead>
<tr>
<th>Project Name</th>
<th>Funding Agency</th>
<th>Principal Investigator(s)</th>
<th>Collaborators</th>
<th>Budget</th>
<th>Start Date</th>
<th>End Date</th>
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<tbody>
<tr>
<td><strong>Fiber-Reinforced Concrete Beam Testing 2</strong></td>
<td>The Euclid Chemical Co.</td>
<td>GUSTAVO J PARRA-MONTESINOS (Civil &amp; Environmental Engr)</td>
<td></td>
<td>$1,200</td>
<td>03/01/2012</td>
<td>03/30/2012</td>
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<td><strong>Analysis of NASS-CDS</strong></td>
<td>TRW, Inc.</td>
<td>JONATHAN DAVID RUPP (UMTRI-Biosciences)</td>
<td>with CAROL ANN FLANNAGAN</td>
<td>$2,960</td>
<td>03/27/2012</td>
<td>04/30/2012</td>
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<td><strong>Towards a New Approach to UA Instructor Preparation: The Michigan Framework Continuation (2012)</strong></td>
<td>United Association of Journeymen and Apprentices</td>
<td>JEROME JOHNSTON (RCGD-Communication/Education)</td>
<td>with DONALD FREEMAN KATHLEEN P GRAVES</td>
<td>$339,416</td>
<td>01/01/2012</td>
<td>12/31/2012</td>
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<td><strong>Study of Forward-Backward Asymmetry in Top Quark Production</strong></td>
<td>Universities Research Association</td>
<td>DANTE ERIC AMIDEI (LSA Physics)</td>
<td></td>
<td>$18,000</td>
<td>05/01/2012</td>
<td>04/30/2013</td>
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<td><strong>Self-sustaining Thorium Boiling Water Reactors</strong></td>
<td>University of California - Berkeley</td>
<td>THOMAS J DOWNAR (Nuclear Eng &amp; Radiological Sci)</td>
<td></td>
<td>$93,372</td>
<td>09/21/2011</td>
<td>09/30/2014</td>
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<td><strong>Editorial Practices and the Web -Extension</strong></td>
<td>University of California - Los Angeles</td>
<td>JULIE A HERRADA (Library Pub Svcs - Spec Collec)</td>
<td></td>
<td>$3,600</td>
<td>04/01/2010</td>
<td>03/31/2013</td>
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<tr>
<td><strong>Disorders of Sex Development</strong></td>
<td>University of California - Los Angeles</td>
<td>DAVID ERIC SANDBERG (Pediatrics-Ambulatory Care Pgm)</td>
<td></td>
<td>$30,449</td>
<td>01/01/2012</td>
<td>12/31/2012</td>
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<tr>
<td><strong>Brain Markers of Anxiety Disorders and SSRI Treatment in Children and Adolescents</strong></td>
<td>University of Illinois at Chicago</td>
<td>CHRISTOPHER STEPHEN MONK (LSA Psychology)</td>
<td>with KATE D FITZGERAL MARGIT BURMEISTER NIKO KACIROTI SCOTT J PEITIER</td>
<td>$275,527</td>
<td>02/01/2012</td>
<td>01/31/2013</td>
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<td><strong>Michigan College Advising Corps/NCAC 2012</strong></td>
<td>University of North Carolina-Chapel Hill</td>
<td>WILLIAM COLLINS (Ctr for Educational Outreach)</td>
<td></td>
<td>$16,267</td>
<td>07/01/2011</td>
<td>06/30/2012</td>
</tr>
</tbody>
</table>
University of South Carolina

**Physical Activity During the Transition from Elementary School to Middle School**

NATALIE COLABIANCHI (Youth & Social Issues)

$36,322 07/01/2011 - 02/28/2013

University of Texas Southwestern Medical Center

**Challenging assumptions: castration-resistance in clinical prostate cancer**

RICHARD AUCHUS (Metabolism, Endo & Diabetes)

$8,892 01/01/2012 - 12/31/2012

University of Wisconsin

**Midlife Health in Japan (MIDJA) and the US (MIDUS) - MERIT Extension**

SHINOBU KITAYAMA (RCGD-General Research)

$94,721 03/01/2012 - 01/31/2013

Various Sponsors

**RECHARGE: CVC Echo Recharge - External Users**

DANIEL EUGENE MICHELE (Molec & Integrative Physiology)

$6,002 02/01/2012 - 06/30/2013

RECHARGE: Child Restraint Testing

LAWRENCE W SCHNEIDER (UMTRI-Biosciences)

$9,014 03/01/2007 - 06/30/2025

Verastem, Inc.

**In vivo study of FAK inhibitor VS-FAK1 in the MMTV-PyVT mammary tumor model**

JUN-LIN GUAN (Int Med-Molecular Med&Genetics)

$124,975 04/01/2012 - 03/31/2013

Veterans Affairs, Department of

**RECHARGE VA INSTRUMENT USE AND STAFF SUPPORT FOR EMAL**

JOHN F MANSFIELD (CoE MSE EMAL)

$1,740 05/01/2011 - 04/30/2012

IPA Anita Janiszewska

ROGER L ALBIN (Neurology Department)

$744 10/01/2011 - 10/07/2011

Kratz - IPA Agreement

ANNA L KRATZ (Physical Medicine & Rehab Dept)

$4,862 09/01/2011 - 09/30/2011

IPA Modification Joyce Spiegel

FREDERIC C BLOW (Psych HlthSvc Outcome Research)

$48,223 10/01/2011 - 09/30/2012

IPA - Fen Yu (Cease)

KEMP B CEASE (Int Med-Hematology/Oncology)

$60,277 10/01/2011 - 09/30/2012

Vortex Hydro Energy, LLC

**Towing tank tests of transversely oscillating cylinder**

STEVEN FRANCIS ZALEK (Naval Arch & Marine Dept)

$7,299 03/26/2012 - 04/06/2012
Washington University

The Park-Reeves Syringomyelia Research Consortium

CORMAC MAHER (Neurosurgery)

with HUGH J L GARTON
KARIN M MURASZKO

$20,000 04/13/2012 - 08/31/2012

Pharmacomechanical Catheter-Directed Thrombolysis for Acute DVT -(ATTRACT) Trial

DAVID M WILLIAMS (Department of Radiology)

$10,000 02/01/2012 - 03/31/2013

Yale University

African American Romantic Relationships: Intimacy, Substance Use, and HIV Testing

JAMES A CRANFORD (Psych Substance Abuse)

$20,000 11/01/2011 - 10/31/2012