**HEADLINES**

**BMRC New Initiative Grants Awarded**
The Medical School’s Biomedical Research Council (BMRC) recently conducted a competition for New Initiatives Grants for Basic Science Research. The program’s goal is to support high-quality scientific projects that are primarily basic science in nature and are specifically aimed at applying innovative ideas or technology to longstanding problems of critical biomedical importance. Congratulations to the four recipients of these $75,000 awards:

- **Mark Day, Ph.D.**  
  Urology  
  “BK Virus Induced Hypermethylation in Human Prostate Epithelium”

- **Michael Imperiale, Ph.D.**  
  Microbiology and Immunology  
  “High Throughput siRNA Screen for Cellular Genes Involved in BKV Infection”

- **Thomas Saunders, Ph.D.**  
  Biomedical Research Core Facilities  
  “Rat Embryonic Stem Cell Resource for the UM Biomedical Research Community”

- **David L. Turner, Ph.D.**  
  Molecular and Behavioral Neuroscience Institute  
  “Analysis of Post-transcriptional Gene Regulation in the Mouse Retina”

**BMRC Bridging Support Program for Basic Science Research**

**Extended Deadline: June 15, 2009**
The BMRC’s Bridging Grant deadline has been extended to **Monday, June 15, 2009**. The extension of this deadline will not impact the review of the grants we have already received.

The Medical School’s Biomedical Research Council (BMRC) is accepting applications for a competitive Bridging Support Program for Basic Science Research. This program provides support to bridge federally funded basic science research grants with a very strong demonstrated likelihood of continued federal funding pending resubmission. Up to $40,000 is available to maintain projects for up to one year. **Matching funds from the PI’s department are required.** Eligibility is limited to full-time, on-campus instructional and research faculty with primary appointments in the Medical School. Grants to be bridged must reside in the Medical School. Visit [http://www.med.umich.edu/medschool/research/support/funding/bridging.htm](http://www.med.umich.edu/medschool/research/support/funding/bridging.htm) for complete details. For questions, call 734-615-8802 or email (BMRCsubmit@umich.edu).

**UMMS Dean’s Faculty Research Awards**

**Deadline: June 12, 2009**

- **Basic Science Research Award**

  The Medical School Dean’s Office is soliciting nominations for the Basic Science Research Award. This award recognizes a scientist or group of scientists identified as having made outstanding contributions to the Medical School in basic biomedical science research. The award carries a $5,000 discretionary academic support prize, which will be given to the faculty member or group.

  There is a two-stage selection process. Nominations are reviewed by the Biomedical Research Council, and a list of potential awardees is given to the Dean of the Medical School. The Dean makes the final selection.

  **Nominees must be in the rank of Assistant or Associate Professor, or Assistant or Associate Research Professor of the University of Michigan Medical School.** See complete instructions for submission at [http://www.med.umich.edu/medschool/faculty/facultyawards/basicscience.htm](http://www.med.umich.edu/medschool/faculty/facultyawards/basicscience.htm).

- **Clinical & Health Services Research Award**

  This award recognizes a faculty member or group of faculty members who are identified as having made outstanding contributions to the Medical School in clinical or health services research. This award carries a $5,000 discretionary academic support prize, which will be given to the faculty member or group.

  There is a two-stage selection process. Nominations submitted to the selection committee will be reviewed and a list of potential awardees given to the Dean of the Medical School. The Dean makes the final selection.

  **Nominees must be University of Michigan Medical School faculty at the level of Assistant or Associate Professor, Professor, or Assistant or Associate Clinical Professor, or Clinical Professor.** See complete instructions for submission at [http://www.med.umich.edu/medschool/faculty/facultyawards/clinicalresearch.htm](http://www.med.umich.edu/medschool/faculty/facultyawards/clinicalresearch.htm).

**RESEARCH COMPLIANCE**

**TRAINING AND EDUCATION**

**Human Research**

**When Research Involves Adults with Impaired Decision-Making Capacity**

The University of Michigan policy outlining the requirements applicable when decisionally impaired adults are included in research are found in the Human Research Protection Program (HRPP) Operations Manual ([http://www.research.umich.edu/hrpp/om/](http://www.research.umich.edu/hrpp/om/)), Part Seven. The category “decisionally impaired” includes not only subjects who have a permanent disability but those whose capacities are...
Research Involving Adults with Cognitive Impairment or Otherwise Impaired Decision-making Capacity

Impaired or limited decision-making capacity covers a broad spectrum of conditions. A healthy person in shock may be temporarily decisionally impaired. Another may have been severely mentally retarded since birth, while yet a third who has schizophrenia may have fluctuating capacity. . . . The IRB . . . must evaluate the appropriateness of the research and the adequacy of the investigator’s proposed plan for initial and, if applicable, ongoing assessment of participants’ capacity to consent. For those participants unable to consent, the IRB must determine whether assent must be secured and, if so, whether the investigator’s proposed plan for assent is adequate. The requirement for assent may be waived by the IRB only if: (i) the capability of some or all of the subjects is so limited that they cannot reasonably be consulted; (ii) the intervention or procedure holds out the prospect of direct benefit to the health or well-being of the subjects and is available only in the context of the research; or (iii) the research otherwise meets the conditions for waiver of consent consistent with the standards described in 45 C.F.R. § 46.116 or 46.117.

An IRB may approve participation of adults with cognitive impairment or diminished decision-making capacity only under the following circumstances:

1. Research Involving No More Than Minimal Risk

Research involving no more than minimal risk may be approved only if the IRB finds and documents that adequate provisions have been made for soliciting assent from the subject, if appropriate, and permission of the subject’s legally authorized representative (e.g., next-of-kin or legal guardian).

2. Research Involving Greater Than Minimal Risk But Presenting the Prospect of Direct Benefit to the Individual Subjects

Research involving greater than minimal risk may be approved if the IRB finds and documents that:

- The intervention or procedure under investigation holds out the prospect of direct benefit to individual participants, or the monitoring procedure is likely to contribute to the subject’s well-being; and
- The risk is justified by the anticipated benefit to participants; and
- The relation of the anticipated benefit to the risk is at least as favorable to participants as that presented by available alternative approaches; and adequate provisions have been made for soliciting assent from the subject and permission from the subject’s legally authorized representative (e.g., next-of-kin or legal guardian), or assent is waived consistent with the standards described in 45 C.F.R. § 46.408(a).

3. Research Involving Greater Than Minimal Risk and With No Prospect of Direct Benefit to Individual Subjects

Research that is not approvable under one of the above categories may still be approved by a University IRB if the IRB finds and documents that:

- The research presents a reasonable opportunity to further understanding, prevention, or alleviation of a serious problem affecting the health or welfare of cognitively impaired adults or adults with diminished decision-making capacity;
- Approval is secured from the Institutional Official or Deputy Institutional Official, after consultation with a panel of experts in pertinent disciplines; determination that the research will be conducted consistent with sound ethical principles; and determination that adequate provisions have been made to solicit the assent of the participant and permission of his or her LAR, consistent with the standards described at 45 C.F.R. 46.408(a); and
- Notice of the proposal is posted to the HRPP website (http://www.research.umich.edu/hrpp/index.html) for review and comment.

Animal Research

Security of Animal Facilities

The University of Michigan maintains an exemplary animal care and use program of which all of us can be proud. Our animal care and use program maintains full compliance with federal and state regulations and policies, as well as nationally accepted professional standards. Because we are indebted to animals for their valuable contributions to our research and instructional endeavors, and because animal well-being is critical to good science, the University ensures that animals are used in a responsible, respectful, and humane manner.

There are, however, animal activists who disagree with the use of animals in research, teaching, or testing. Some animal activists are prepared to disrupt animal research operations, even if this means violating the law, risking arrest, and going to jail. Because of the potential for activity by animal activists, we should all be alert to maintaining additional security in the animal facilities. The Department of Public Safety recommends that the research community take the following precautions:

- Keep laboratories and offices locked.
- Monitor laboratories and offices for unauthorized persons.
- Wear identification badges at all times.
- Report suspicious persons, activity, or objects to DPS immediately (Call 911).
- Report inquiries regarding building hours, locations of laboratories and offices, type of research being conducted, and location of animals to DPS (734-763-3434).

Please direct any news media inquiries regarding animal use or care to Kara Gavin, U-M Health System Public Relations, at 734-764-2220. Security concerns regarding the animals or animal facilities should be addressed to the Department of Public Safety and Security at 734-763-3434.
Biomedical News  •  June 2009

FREQUENTLY ASKED QUESTIONS

The frequently asked questions (FAQs) highlighted here come from a list of FAQs for research maintained by the Office of Research. To see the complete list, visit (http://www.med.umich.edu/medschool/research/faq.htm).

Q) What type of subject matter can be patented?
A) Patentable subject matter includes processes, machines, compositions of matter, articles, some computer programs, and methods (including methods of making compositions, methods of making articles, and even methods of performing business). A natural substance that has never before been isolated or known may be patentable in some instances, but only in its isolated form (since the isolated form had never been known before). A variation of a naturally occurring substance may be patentable if an inventor is able to demonstrate modifications that offer substantial advantages of using the variant. For more information, contact a U-M Tech Transfer representative through the Tech Transfer website (http://www.techtransfer.umich.edu/).

Q) How do I protect my discovery or invention?
A) Observations and experiments during research activities often lead to new discoveries and inventions. We encourage you to contact U-M Tech Transfer during your early research activities to discuss your options and to provide guidance with respect to the disclosure, evaluation, and protection of your technology. Completing and submitting an Invention Disclosure Form (http://www.techtransfer.umich.edu/resources/forms_documents.php) will initiate the formal technology transfer process.

The Office of Technology Transfer is the service unit responsible for protecting intellectual property. The Tech Transfer office, along with the Office of the Vice President for Research and General Counsel, contracts with outside patent counsel for intellectual property protection, thus assuring access to patent specialists in diverse technology areas.

UPDATE FROM WASHINGTON, DC

White House Releases FY10 Budget Proposal Details – NIH to Receive Small Increase

On May 14, 2009, the Obama Administration released the details of its Fiscal Year 2010 (FY10) Budget Request. Within this request, the National Institutes of Health (NIH) would receive $538 million – a 1.4% increase over FY09. This small increase reflects the fact that the American Recovery and Reinvestment Act provided at total of $10.4 billion for the NIH to support research, construction and research equipment. Priority areas include: cancer research, autism research, nanotechnology-related environment, and safety research and bioethics. Specific funding allocations are as follows:

<table>
<thead>
<tr>
<th>NIH Institute</th>
<th>FY08</th>
<th>FY09 (enacted)</th>
<th>FY10 Request</th>
</tr>
</thead>
<tbody>
<tr>
<td>NIAIDS</td>
<td>$4.58 billion</td>
<td>$4.70 billion</td>
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</tr>
<tr>
<td>NIGMS</td>
<td>$1.95 billion</td>
<td>$1.99 billion</td>
<td>$2.02 billion</td>
</tr>
<tr>
<td>NICHS</td>
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<td>$1.31 billion</td>
</tr>
<tr>
<td>NEI</td>
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</tr>
<tr>
<td>NIEHS</td>
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<td>$663 million</td>
<td>$684 million</td>
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<tr>
<td>NIA</td>
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<td>$1.08 billion</td>
<td>$1.09 billion</td>
</tr>
<tr>
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</tr>
<tr>
<td>NIDCD</td>
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<td>$407 million</td>
<td>$413.03 million</td>
</tr>
<tr>
<td>NIMH</td>
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<td>$1.45 billion</td>
<td>$1.48 billion</td>
</tr>
<tr>
<td>NIDA</td>
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<td>$1.03 billion</td>
<td>$1.04 billion</td>
</tr>
<tr>
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<tr>
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<td>$143.7 million</td>
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<tr>
<td>NIBIB</td>
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<tr>
<td>NCRR</td>
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<td>$1.25 billion</td>
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<td>$125 million</td>
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<tr>
<td>NCMHD</td>
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<td>$206 million</td>
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<tr>
<td>FIC</td>
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<td>$69 million</td>
<td>$69.23 million</td>
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<tr>
<td>NLM</td>
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<tr>
<td>Office of the Director</td>
<td>$1.12 billion</td>
<td>$1.25 billion</td>
<td>$1.18 billion</td>
</tr>
</tbody>
</table>

An additional $150 million will go to the Type I Diabetes Initiative. Furthermore, the Budget Request increases the AIDS research program by $45 million (a 1.5% increase) to $3.05 billion. NIH also plans to transfer $300 million to the Global Fund for HIV/AIDS Tuberculosis and Malaria.

With the details of the President’s Budget now released, the House and Senate Appropriations committees have begun writing legislation outlining the priorities of the two Chambers of Congress. In some cases, these priorities may significantly differ from the President’s proposal. Agreement between Congress and the White House on a final FY10 funding level will be reached near the end of the year. Working with members of the Michigan delegation, U-M will play an active role in the higher education research advocacy efforts on this important topic in the coming months.

FUNDING/AWARD OPPORTUNITIES

Funding opportunities listed below are for external limited submissions and/or opportunities within the University of Michigan only. To search for other funding and recognition opportunities, visit (http://www.med.umich.edu/medschool/research/support/funding.htm). This webpage contains a link to M-Quest (a database of opportunities for grants, honors, prizes and fellowships created and maintained by the Office of Research) as well as information on email alert groups.

External Limited Submissions

These are opportunities in which the sponsor has limited the number of proposals allowed from an institution. These competitions require an internal review to select the proposals to submit to the sponsor from the University of Michigan.

Abstracts listed here are general information about these funding programs. We strongly urge interested applicants to visit the listed website to verify complete eligibility, program information, and application procedures before submitting an application.
Edward Mallinckrodt, Jr. Foundation Grant Program
Internal Deadline: June 15, 2009

The basic aim of the Edward Mallinckrodt, Jr. Foundation is to dispense that amount of yearly income required by law for the purpose of advancing knowledge in the various fields of medical and health research. It is further the general aim to (1) confine contributions to those worthy projects that are in need of initial start-up funding to move the projects forward to the point of other independent support or (2) support highly promising young investigators at the time when start-up funds are limited and initial progress is dependent on additional funding.

It is not the intent to support projects that are already under way and are already receiving significant grant support to provide long-range funding beyond an initial three-year period of support. The Foundation will not fund overhead, and grants will be made and restricted to domestic institutions.

Grants are made in the amount of $50,000 - $75,000 per year for a period of one to three years and are contingent upon a yearly progress report by the applicant. The Foundation reviews applications three times a year. The next Foundation deadline is August 1, 2009. The University of Michigan may submit a maximum of three proposals.

For consideration as an institutional nominee, submit the following electronically in a single PDF document by June 15, 2009 to (limitedsubmissions@umich.edu): a 3-page research plan, a NIH formatted biosketch, and a nominating letter from the department chair. We acknowledge receipt of all electronic submissions. If you do not receive a response from us by the end of the next business day, please call us at 734-763-4086. Contact Kathryn Ridner at 734-763-4086 or (kridner@umich.edu) with any questions. Please visit (http://www.med.umich.edu/medschool/research/support/mallinckrodt.pdf) for complete Foundation guidelines.

Howard Hughes Medical Institute Undergraduate Science Education Program (USEP) – Experiment Grant
Internal Deadline: June 15, 2009
Foundation Deadline: October 1, 2009

The Howard Hughes Medical Institute’s USEP program has added a new component to their 2010 competition. In addition to their core grant program (Michigan’s is headed by Dr. Daniel Klionsky), UM has been invited to submit one experiment proposal for the 2010 competition (see details below and on the HHMI website). Experiment Grants are aimed at encouraging science faculty to try innovative ideas in science education.

HHMI-USEP seeks proposals that try nontraditional ways to address challenges in science education – even if the outcome of the experiment is uncertain or there is a significant risk of failure. The proposed experiment should be hypothesis driven, with a rationale based on sound interpretation of available data, and include a careful description of how the results of the experiment will contribute to the understanding of the problem even if the hypothesis is disproved. The proposal should include review of the relevant prior research, specific strategies for assessing the outcomes of the experiment, and plans for dissemination of findings.

The Office of the Vice President for Research will coordinate the selection process. Please note that the Principal Investigator for the overall Michigan Proposal must be the Principal Investigator on the Core Grant, Dr. Klionsky. But in coordination with Dr. Klionsky, we are searching for the best proposal for the experiment core from across the University.

An Experiment is eligible for funding for up to $600,000 over four years in addition to the core grant.

If you have an idea for an innovative experiment in undergraduate science education, we are encouraging you to submit your idea to be considered as either the whole or a component of the UM’s Experiment Grant. Please submit the following electronically in a single PDF document to (OVPRlimitedsubmissions@umich.edu) by June 15, 2009:

• 2-page proposal highlighting your hypothesis-driven approach, addressing the degree to which your experiment innovatively and directly addresses one or more important challenges in science education;

• An estimated cumulative budget for your experiment.

For full details, including the program announcement, go to (http://www.hhmi.org/grants/institutions/universities.html). Direct any questions to Ann Verhey-Henke (averhey@umich.edu).

Internal Submissions

Michigan Metabolomics and Obesity Center
Pilot/Feasibility Grant Program
Deadline: June 30, 2009 (5:00 PM)

The goal of the Michigan Metabolomics and Obesity Center (MMOC) is to provide comprehensive phenotyping and computational tools to facilitate and enhance collaborative studies among UM faculty in metabolic diseases, including obesity and related disorders. The MMOC announces a call for proposals to promote interdisciplinary, cross-organizational collaborative research to advance cutting-edge research on nutrition, obesity, and related diseases at the University of Michigan.

The purpose of the MMOC Pilot/Feasibility (P/F) Grant Program is to promote research on the biological and behavioral determinants of obesity, and to develop interventions to reduce obesity and its disease sequelae using basic, clinical, or population approaches. The P/F program’s aim is to enable both new and established University of Michigan investigators to generate sufficient preliminary information for a successful application for major research funding from NIH or other national granting agencies.

Grant proposals may be in areas of basic biomedical research or in clinical, epidemiological, or translational research, e.g., interventions in clinical or population-based settings. Animal or human models may be considered. Grant proposals involving cross-disciplinary expertise, faculty from different UM schools, and that utilize the core laboratories of the MMOC are especially encouraged. This call for proposals...
UM Bone and Joint Injury Prevention and Rehabilitation Center Request for Systematic Review Proposals
Deadline: July 15, 2009 (5:00 PM)
The UM Bone and Joint Injury Prevention and Rehabilitation Center is seeking applications to synthesize our knowledge of anterior cruciate ligament (ACL) injuries by developing systematic reviews of three research topics:

1. The frequency of ACL injuries in the U.S. and their current and projected impact on individual and population health-care costs.
2. The long-term effects and population impact of ACL injuries on the risk of chronic conditions such as post-traumatic osteoarthritis.
3. A description of practices and programs implemented to prevent ACL injuries, and an assessment of their effects in particular target populations.

Applications proposing to conduct one or more of these systematic reviews are solicited. One proposal should be submitted per research topic, even if the same principal investigator submits multiple proposals. The award will be up to $35,000 per systematic review, and duration of funding is one year.

Principal investigators must be full-time faculty with 9- or 12-month appointments in the Professor, Research Professor, Research Scientist, or Clinical Professor series at the University of Michigan; and they must be members of the Center. If not a member of the Center, applicants can become a member by visiting our website at (http://www.bjiprc.umich.edu/), clicking on Membership, and applying online.

For complete details including instructions for submission, please visit (http://www.med.umich.edu/medschool/research/support/ bjiprc_rfp.pdf). Direct inquiries to Ron Zernicke, Director, at 734-930-7070 or (bjiprc-um@umich.edu).

Michigan Diabetes Research and Training Center (MDRTC) Grant Programs
Deadline: August 3, 2009 (5:00 PM)
Visit (http://www.med.umich.edu/mdrtc/pilot) for complete information and application instructions. Contact Pam Campbell, MDRTC at 734-763-5730 or (pamcamp@umich.edu) to obtain an application form.

- Pilot/Feasibility Study Grant Program (MDRTC)
The Michigan Diabetes Research and Training Center NIH grant supports initiatives by new and established U-M faculty. The goal of this program is to enable investigators to generate a sufficient body of preliminary information for a successful application for major research funding from NIH or other national granting agencies. Grant proposals may be in the areas of basic biomedical research or in clinical, behavioral, epidemiological, health services or translational research. Proposals must address key questions in the pathogenesis, diagnosis, prevention or control of diabetes, its complications, or related endocrine or metabolic disorders. Translational research projects should focus on the translation of research advances into clinical practice and include the identification of barriers to widespread adoption of new science and the testing of interventions to overcome these barriers. Individuals who have full-time instructional or research faculty positions at U-M are eligible to apply as principal investigators. Proposals are for one year of support with funding up to $50,000.

- Diabetes Interdisciplinary Study Program (MDRTC/MCDC)
The Michigan Diabetes Research and Training Center and the Michigan Comprehensive Diabetes Center (MCDC) are accepting applications for a pilot and feasibility study to promote interdisciplinary collaboration among researchers. This opportunity promotes collaboration between two U-M faculty members from distinct disciplines to focus their combined research strengths on cutting-edge areas in diabetes research. Grant proposals may be in areas of basic biomedical research or in clinical, behavioral, epidemiological, health services or translational research. Proposals must address key questions in the pathogenesis, diagnosis, prevention or control of diabetes, its complications, or related endocrine or metabolic disorders. The goal of this program is to enable investigators to generate a sufficient body of preliminary information for a successful application for major research funding from NIH or other national granting agencies. Individuals who have full-time instructional, research or clinical track faculty positions at the U-M are eligible to apply as co-principal investigators. Proposals are for one year of support with funding up to $100,000.
UMMS AWARDED GRANTS

External Awarded Grants

Currently, due to limitations on data collection, we are unable to identify projects awarded with multiple PIs. As the eRPM system is used for proposals in 2009, we will be able to publish those awards accurately. We apologize for any misleading project information this causes.

Anesthesiology

Pl: Opp, Mark
Title: CYTOKINE AND NEUROTTRANSMITTER INTERACTIONS IN SLEEP REGULATION
Sponsor: NIH 1 R01 MH 064843 01 A2
Project Dates and Amount of Award: 04/15/09-03/31/13; $1,509,773

Comprehensive Cancer Center

Pl: Jakubowiak, Andrzej
Title: MLN4924, A NOVEL INHIBITOR OF NEDD8-ACTIVATING ENZYME, IN ADULT PATIENTS WITH LYMPHOMA OR MULTIPLE MYELOMA (AN OPEN-LABEL, DOSE ESCALATION, PHASE 1 STUDY OF)
Sponsor: Millenium Pharm, Inc.
Project Dates and Amount of Award: 02/12/09-02/26/12; $790,782

Pl: Smith, David
Title: MLN9708, A SECOND-GENERATION PROTEASOME INHIBITOR, IN ADULT PATIENTS WITH ADVANCED NONHEMATOLOGIC MALIGNANCIES (AN OPEN-LABEL, DOSE ESCALATION, PHASE 1 STUDY OF)
Sponsor: Millenium Pharm, Inc.
Project Dates and Amount of Award: 10/07-05/31/11; $1,410,594

Pl: Wicha, Max
Co-I: Chinnalayan, Arul (Ctr fr Translational Pathology) / Fearon, Eric (Int Med-Molecular Med&Genetics)
Title: NATIONAL FUNCTIONAL GENOMICS CENTER - A CENTER FOR GENETIC ORIGINS OF CANCER (CGOC) AT THE UNIVERSITY OF MICHIGAN
Sponsor: US DOD-Army, Department of the
Project Dates and Amount of Award: 03/25/09-04/24/10; $2,036,996

Human Genetics

Pl: Li, Jun
Title: INTEGRATED GENETIC ANALYSES OF BIPOLAR DISORDER
Sponsor: NARSAD
Project Dates and Amount of Award: 01/01/10-12/31/11; $60,000

Internal Medicine

Pl: Bach, David
Title: MANAGEMENT IMPACT OF CLINICAL REMINDERS ATTACHED TO ECHOCARDIOGRAPHY REPORTS AMONG PATIENTS WITH SEVERE AORTIC STENOSIS
Sponsor: Edwards Lifesciences Llc
Project Dates and Amount of Award: 10/01/08-12/31/11; $43,923

Pl: Bagwe, Suveer
Title: 2009 EP FELLOWSHIP PROGRAM
Sponsor: Medtronic, Inc.
Project Dates and Amount of Award: 07/01/09-06/30/10; $40,000

Pl: Bradley, Deborah
Title: NEOADJUVANT GEMCITABINE, CISPLATIN AND CETUXIMAB FOR MUSCLE INVASIVE BLADDER CANCER, A PHASE II TRIAL OF
Sponsor: Hope Foundation, The
Project Dates and Amount of Award: 07/01/09-06/30/11; $100,000

Pl: Donato, Nicholas
Title: ASSESSMENT OF PS-H3 ASSAY FOR DETECTION OF TAK-901 PHARMACODYNAMIC ACTIVITY
Sponsor: Millenium Pharm, Inc.
Project Dates and Amount of Award: 01/01/09-01/31/09; $14,006

Pl: Eagle, Kim
Title: PROJECT HEALTHY SCHOOLS, A COMMUNITY-UNIVERSITY COLLABORATIVE BETWEEN ANN ARBOR, MI AND THE U OF M
Sponsor: Atkins, Robert C. Dr., & Veronica, Foundation
Project Dates and Amount of Award: 01/01/09-01/31/11; $150,000

Pl: Kumar, Sanjeev
Title: COMBINING AN MDM2 INHIBITOR WITH CHEMOTHERAPY FOR THE TREATMENT OF MELANOMA
Sponsor: Melanoma Research Alliance (MRA)
Project Dates and Amount of Award: 06/01/09-05/31/11; $100,000

Pl: Pelosi Jr, Frank
Title: 2009 EP FELLOWSHIP PROGRAM
Sponsor: Biosense Webster, Inc.
Project Dates and Amount of Award: 07/01/09-06/30/10; $50,000

Pl: Rabquer, Bradley
Title: CONTRIBUTION OF SOLUBLE JUNCTIONAL ADHESION MOLECULES TO ANGIOPGENESIS
Sponsor: NIH 1 F32 HL.094017 01 A1
Project Dates and Amount of Award: 09/01/09-04/30/12; $155,118

Pl: Rosenson, Robert
Title: MIPOMERSEN IN PATIENTS WITH SEVERE HYPERCHOLESTEROLEMIA ON A MAXIMALLY TOLERATED LIPID LOWERING REGIMEN AND WHO ARE NOT ON Apheresis (A PROSPECTIVE RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED STUDY TO ASSESS THE SAFETY AND EFFICACY OF)
Sponsor: Genzyme Corporation TO Medpace, Inc.
Project Dates and Amount of Award: 04/06-09-02/28/10; $81,100

Microbiology and Immunology

Pl: Wobus, Christiane
Title: IDENTIFICATION OF SMALL MOLECULE INHIBITORS AND NOVEL DRUG TARGETS FOR NOROVIRUSES
Sponsor: NIH - Subcontracts TO University of Chicago U54 AI 057153
Project Dates and Amount of Award: 03/24/09-02/28/10; $177,675

Molecular & Integrative Physiology

Pl: Schwartz, Jessica
Title: C/EBPB AND HETEROCHROMATIN: THEIR ROLE IN ADIPOGENESIS
Sponsor: NIH 1 R03 TW 008143 01 A1
Project Dates and Amount of Award: 04/09-03/31/12; $103,432

Neurology

Pl: Cheng, Hsinlin
Co-I: Feldman, Eva (Neurology Department)
Title: NERVE GROWTH FACTOR SIGNALING IN PAINFUL DIABETIC NEUROPATHY
Sponsor: NIH 1 K08 NS 061039 01 A2
Project Dates and Amount of Award: 04/08-09-03/31/12; $866,700

Pl: Chou, Kelvin
Title: THREE DOSES OF APLINDORE MR (1, 3, AND 6MG TWICE DAILY) IN PATIENTS WITH EARLY PARKINSON DISEASE (A RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED STUDY TO ASSESS THE EFFICACY AND SAFETY OF)
Sponsor: Neurogen Corporation TO University of Rochester
Project Dates and Amount of Award: 10/01/08-10/31/09; $71,650

Pl: Rusche-Skolarus, Lesli
Co-I: Brown, Devin (Neurology Department)
Title: SLEEP APNEA IN MEXICAN AMERICAN AND NON-HISPANIC WHITE STROKE PATIENTS
Sponsor: American Academy of Neurology
Project Dates and Amount of Award: 09/01/09-06/30/11; $130,000
Ophthalmology & Visual Sciences

PE: Stein, Joshua
Title: THE ASSOCIATION BETWEEN CATARACT SURGERY AND PROGRESSION OF DIABETIC RETINOPATHY
Sponsor: NIH 1 K23 EY 019511 01
Project Dates and Amount of Award: 05/01/09-04/30/14; $1,038,335

PE: Wu, David
Title: THE PHYSIOLOGY OF THE EARLY POSTNATAL RETINAL MICROVESSELS AND IMPLICATIONS FOR RETINOPATHY OF PREMATURE RESOLUTION
Sponsor: Knights Templar Eye Foundation
Project Dates and Amount of Award: 07/01/09-06/30/10; $40,000

Pathology

PE: Chinaiyan, Arul
Title: DEVELOPMENT OF “ONCSEQ”, A BIOINFORMATICS PLATFORM FOR NEXTGEN SEQUENCING IN ONCOLOGY
Sponsor: American Cancer Society
Project Dates and Amount of Award: 07/01/09-06/30/14; $400,000

PE: Eleniota-Johnson, Kojo
Co-I: Choy, William (Int Med-Gastroenterology) / Lim, Megan (Pathology Department) / McAllister-Lucas, Linda (Pediatrics-Hematology/Oncology) / Neschitzkii, Alexey (Pathology Department)
Title: PROTEOMIC ANALYSIS OF API2-MALT1 POSITIVE GASTRIC MALT LYMPHOMA
Sponsor: NIH 1 R01 CA 136905 01
Project Dates and Amount of Award: 03/26/09-01/31/14; $1,436,205

PE: Smith, Douglas
Title: DNA SAMPLES FOR THE CHARACTERIZATION OF SWINE LEUKOCYTE ANTIGENS
Sponsor: Spring Point
Project Dates and Amount of Award: 03/31/09-04/01/11; $10,000

Pediatrics & Communicable Diseases

PE: Ferrara, James
Title: A BIOENERGETIC STRATEGY TO TREAT GRAFT VERSUS HOST DISEASE
Sponsor: Hartwell Foundation
Project Dates and Amount of Award: 04/01/09-03/31/12; $500,000

PE: Fredericks, Emily
Title: FUNCTIONAL OUTCOMES OF PEDIATRIC LIVER TRANSPLANTATION
Sponsor: NIH - Subcontracts TO Children’s Memorial Hospital R31 HD 045694
Project Dates and Amount of Award: 04/01/09-03/31/10; $21,750

PE: Kitko, Carrie
Title: FEASIBILITY ASSESSMENT AGREEMENT
Sponsor: Therakos, Inc.
Project Dates and Amount of Award: 03/01/09-02/28/10; $7,800

Pharmacology

PE: Anantharam, Arun
Title: SECRETION-ASSOCIATED DYNAMICS OF THE PLASMA MEMBRANE
Sponsor: NIH 1 F32 GM 086169 01 A1
Project Dates and Amount of Award: 07/01/09-06/30/11; $96,472

Physical Medicine & Rehabilitation

PE: Tate, Denise
Co-I: Meade, Michelle (Physical Medicine & Rehab Dept) / Miller, Sonya (Physical Medicine & Rehab Dept)
Title: UNIVERSITY OF MICHIGAN HEALTH SYSTEM (UMHS) / ANN ARBOR CENTER FOR INDEPENDENT LIVING (AACIL) REHABILITATION RESEARCH TRAINING PROGRAM
Sponsor: U.S. Department Of Education
Project Dates and Amount of Award: 09/01/09-08/31/14; $749,775

Psychiatry

PE: Buu, Yuh-Pey
Title: NEW STATISTICAL METHODOLOGY TO ESTABLISH CONSTRUCT VALIDITY FOR CHILDMOOD RISK
Sponsor: NIH 1 K01 AA 016591 01 A2
Project Dates and Amount of Award: 04/10/09-03/31/14; $791,249

PE: Zucker, Robert
Co-I: Burmeister, Margit (Molecular & Behav Neurosc Inst) / Heitzez, Mary (Psych Substance Abuse) / Long, Jeffrey (Human Genetics Department) / Noll, Douglas (Biomedical Engineering) / Shedden, Kenbery (LSA Statistics) / Zubieta, Jon (Molecular & Behav Neurosc Inst)
Title: BRAIN ENDOPHENOTYPES MODULATING DRUG ABUSE RISK (FEB 2008 EPAF 1 OF 2)
Sponsor: NIH 1 R01 DA 027261 01
Project Dates and Amount of Award: 04/15/09-03/31/14; $3,264,330

Radiation Oncology

PE: Jagi, Rishina
Co-I: Moran, Joan (Radiation Oncology - Ann Arbor)
Title: PATIENT EXPECTATIONS, EXPERIENCES, AND OUTCOMES IN A RANDOMIZED TRIAL COMPARING IMRT TO CONFORMAL RADIOTHERAPY FOR BREAST CANCER
Sponsor: American Cancer Society
Project Dates and Amount of Award: 07/01/09-09/30/13; $580,000

Radiology

PE: Agarwal, Prachi
Co-I: Carlos, Ruth (Radiology Department) / Cronin, Paul (Radiology Department) / Kazerooni, Ella (Radiology Department) / Rubenfire, Melvin (Int Med-Cardiology - Ann Arbor) / Stahli, Narasimham (Radiology Department)
Title: PREMATURE CORONARY ARTERY DISEASE IN SEVERE PSORIASIS
Sponsor: National Psoriasis Foundation
Project Dates and Amount of Award: 04/15/09-04/14/10; $50,000

PE: Meyer, Charles
Co-I: Bland, Peyton (Radiology Department) / Chenevert, Thomas (Radiology Department) / Fessler, Jeffrey (Elec Engr & Comp Sci) / Helvie, Mark (Radiology Department) / Heo, Jil (Elec Engr & Comp Sci) / Kim, Bin (Radiology Department) / Kim, Sinae (Radiology Department) / Kluin, Karen (Neurology Department) / Ma, Bing (Radiology Department) / Newman, Lisa (General Surgery Section) / Parent, Jack (Neurology Department) / Park, Hyunjin (Radiology Department) / Ross, Brian (Radiology Department) / Sagher, Oren (Neurosurgery) / Scott, Anne (Int Med-Hematology/Oncology) / Scott, Clayton (Elec Engr & Comp Sci) / Visscher, Daniel (Pathology Department) / Wakin, Michael (Elec Engr & Comp Sci)
Title: AUTOMATIC THREE DIMENSIONAL (3D) REGISTRATION FOR ENHANCED CANCER MANAGEMENT
Sponsor: NIH 2 P01 CA 087634 06 A2
Project Dates and Amount of Award: 04/09/09-02/28/14; $7,518,481

PE: Williams, David
Co-I: Cho, Kyung (Radiology Department) / Cwikiel, Wojciech (Radiology Department) / Eilason, Jonathan (Vascular Surgery Section) / Gammack, Joseph (Radiology Department) / Krishnamurthy, Venkataram (Radiology Department) / Novelli, Paula (Radiology Department) / Reutenwal, John (Vascular Surgery Section) / Shields, James (Radiology Department) / Upchurch Jr, Gilbert (Vascular Surgery Section) / Vellody, Ranjith (Radiology Department)
Title: EPIC NITINOL STENT SYSTEM IN THE TREATMENT OF Atherosclerotic Lesions in Iliac Arteries (ORION)
Sponsor: Boston Scientific Corporation
Project Dates and Amount of Award: 04/07/09-04/06/15; $132,850

Surgery

PE: Si, Ming-Sing
Title: UTILIZING THYMUS-DERIVED MESENCHYMAL STEM CELLS FOR BRAINENGINEERED HEART MUSCLE IN PEDIATRIC CARDIAC SURGERY
Sponsor: American Medical Association Foundation
Project Dates and Amount of Award: 01/01/09-12/01/09; $2,388

PE: Upchurch Jr, Gilbert
Title: THRIVE: DESCENDING THORACIC AORTIC ANEURYSM ENDOVASCULAR REPAIR POST APPROVAL STUDY
Sponsor: Medtronic, Inc.
Project Dates and Amount of Award: 04/13/09-04/30/14; $41,700

Urology

PE: Keller, Evan
Title: NOVEL APTAMERS TO TARGET METASTASIS
Sponsor: US DOD-Army, Department of the
Project Dates and Amount of Award: 09/01/09-11/30/12; $567,231
UMMS RESEARCH PUBLICATIONS

Biological Chemistry


Internal Medicine


Microbiology and Immunology


Family Medicine


Human Genetics


Prim Dent Care. 2009 Apr; 16(2): 43-4.


