**HEADLINES**

**Stephan Taylor Appointed New IRBMED Vice Chair**

Raymond J. Hutchinson, M.S., M.D., Associate Dean for Regulatory Affairs, Medical School, is pleased to announce the appointment of Dr. Stephan Taylor, who joins Drs. Macdonald Dick, William Ensminger, Alan Sugar, and Helen Tamer in his new role as Vice Chair for the Medical School Institutional Review Board (IRBMED), effective October 5, 2008.

Dr. Taylor, an Associate Professor of Psychiatry, brings to the IRBMED considerable clinical research experience in the study of psychiatric medicine. His research interests include the study of cognitive and affective neuroscience, schizophrenia, functional neuroimaging, obsessive compulsive disorder depression, and deep brain stimulation.

Dr. Taylor received his M.D. from Washington University in St. Louis, Missouri in 1988 and completed his residency in psychiatry at the University of Michigan in 1993. He joined the University as a lecturer in 1993, became an assistant professor in 1995 and an associate professor in 2003. Dr. Taylor is also board-certified in Psychiatry. In addition to maintaining membership in several professional and scientific societies, Dr. Taylor serves as a peer reviewer for over a dozen prominent journals, including the American Journal of Psychiatry, the Journal of Neuroscience, and Brain Research. Prior to appointment as IRBMED Vice Chair, Dr. Taylor served as a regular member of the IRBMED for six years.

Upon his appointment, Dr. Taylor was quoted as saying, “Of course, the job of the IRB is to protect people in research studies, and a very important part of this job involves working with investigators to help them develop the good research practices that protect subjects. In IRBMED, most of the protocols we review have something to do with addressing the origins and treatment of disease, so investigators usually have some motivation to help people through their research. We all grumble about the paperwork, and it is easy to lose sight of these important shared values. I think the value that the IRB members can bring to the process is to help investigators see that protecting subject rights, doing research, and helping patients are not incompatible efforts.”

The Dean’s Office thanks Dr. Taylor for taking on this important role and for his continued dedication to the protection of human subjects who participate in research at the University of Michigan.

**NEW! You Can Search the Online Archives of Biomedical News**

Now when you go to the Biomedical News webpage (http://www.med.umich.edu/medschool/research/biomednews), you will see a custom Google search engine that will search topics and keywords in the online archives of Biomedical News only.

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

**Deadline: January 15, 2009**

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 is 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) for complete details. For questions, call 734-615-8802 or email (BMRCsubmit@umich.edu).

**Distinguished Faculty Lectureship Award in Biomedical Research**

**Deadline: February 6, 2009**

The Distinguished Faculty Lectureship Award in Biomedical Research is the highest honor bestowed upon a faculty member in the biomedical sciences by the Medical School. The recipient of this award is an exceptional leader in research, whose landmark contributions are recognized both nationally and internationally. Their contributions are usually linked to pivotal discoveries that have wide-ranging impact for the advancement of scientific knowledge. The recipient of this award also excels in teaching, mentoring, and service to our institution and to their colleagues in the scientific community at large. Nominations are open to all Health Sciences faculty. The recipient receives an award in discretionary funds and gives a public lecture followed by a reception in the Spring. Additional information and a list of previous recipients can be found at (http://www.med.umich.edu/medschool/faculty/facultyawards/facultylectureship.htm). Chairs and Directors should submit the following nomination materials:

- A nomination letter from the department chair, division head or unit/center director.
- Research description – a three-page (maximum) summation of the nominee’s research.
- Two or more letters of support from University of Michigan faculty.

**Biomedical News**

Published by the Office of Research
New NIH Policy on Resubmission (Amended) Applications

As some of you may be aware, NIH announced a change to the review cycles for applications this fall. The full text of the announcement may be read at (http://grants.nih.gov/grants/guide/notice-files/NOT-OD-09-003.html). In the announcement, NIH details the implementation of phasing out / removing the option of submitting an A2 application. This is part of the review streamlining program. It is an attempt to reduce the number of times study sections would like to review projects / suggest changes and intended to get projects funded sooner.

Under the old rules, New and Competitive Renewals were allowed “three strikes” – an original proposal and two resubmissions. Beginning with New and Competitive Renewals submitted (for the first time) on or after January 25, 2009, proposals will be allowed only one original and one resubmission. Additionally, if you start the cycle prior to January 25th, your final A2 can be sent no later than January 7, 2011.

Examples:

- Competitive Renewals submitted on or before November 5, 2008, will be allowed an original, A1, and A2 application – as long as the A2 version is submitted prior to January 7, 2011.
- Competitive Renewals submitted (for the first time) for the March 5, 2009 deadline will be allowed only an original and A1 application.

This is part of the NIH’s overall enhancing and streamlining of peer review. Details of the whole initiative may be found at (http://enhancing-peer-review.nih.gov/index.html). Future initiatives will include a reduction in the number of pages of text allowed in the application and will result in a shorter turnaround time from application to funding.

Please contact Heather Offhaus (hmills@umich.edu) in the Medical School’s Grant Review & Analysis Office if you have any questions.

MCRU to Consolidate Two of Its Performance Sites in January

Two Michigan Clinical Research Unit (MCRU) performance sites will be moving their facilities to the Cardiovascular Center in January 2009. The Med Inn and University Hospital units will be consolidated into newly designed space, which will provide enhanced support for clinical research.

MCRU, a component of the Michigan Institute for Clinical and Health Research and formerly called General Clinical Research Center (GCRC), provides resources to clinical investigators to conduct human clinical trials. It also provides extensively trained research personnel to support approved research protocols. Its services include nursing, bionutrition, a core laboratory, and a Human Applications Laboratory. MCRU also operates a mobile research team, MCRU-2-U, to support the integrated research needs of study teams and participants outside of the centralized MCRU performance sites.

“One of our key goals at MCRU is to provide an environment well-suited to the requirements of clinical and translational research study teams and their participants,” says John Wiley, M.D., MCRU Program Director. “The new facility, conveniently located on the U-M medical campus, will enhance our ability to provide vital support to clinical and translational investigators.”

The new MCRU facility is comprised of approximately 7,400 square feet of space, which includes research-only outpatient exam rooms, research-only overnight stay beds in private rooms, and administrative offices. It also includes a research exercise physiology area, a procedure room, a nursing workspace, a medical preparation and storage room, a patient/subject intake area, equipment storage space, clean and soiled holding rooms, a PI and study coordinator workroom, a staff locker room, a metabolic kitchen, a specimen processing laboratory, a patient waiting area and a dining area for participants.

“This new consolidated facility is especially valuable because more than 500 principal investigators and co-investigators rely on MCRU resources for their clinical and translational studies,” adds Roberta Proft, M.B.A., MCRU administrative director. “Additionally, MCRU hosts investigators funded by federal, state and local agencies, and by industry.”

Other MCRU performance sites are located at Domino’s Farms (Lobby M), the East Ann Arbor Health Center in the Rachel Upjohn Depression Center (in collaboration with Psychiatry), and the Burlington Office Center on East Eisenhower (in collaboration with Physical Medicine & Rehabilitation).

For more information about MCRU, visit (http://www.michr.umich.edu/programs/mcru.html).

RESEARCH COMPLIANCE TRAINING AND EDUCATION

Human Research

eResearch FAQs: Who Should be Listed as a Member of the Study Team?

While there is no single definitive answer to this question, there are guidelines as to what a researcher should consider before submitting the eResearch application. Consider the following FAQs:

Q) Minimally, who must be listed as a member of the Study Team?
A) According to the University’s Human Research Protection Program (HRPP) Operations Manual (OM) (http://www.research.umich.edu/hrpp/om), the principal investigator (PI) and all co-investigators (Co-Is). See the OM, Part 6
**Q** Who else does the IRBMED expect to see listed as a member of the Study Team?

**A** The IRBMED expects the following study team members to be listed by name in the eResearch Application:
- All “key personnel” as defined in the OM, Part 6: PI, Co-Is, and other individuals who contribute to the scientific development or execution of a study in a substantive, measurable way. Typically, these individuals have doctoral or other professional degrees, although individuals at the masters or baccalaureate level are sometimes considered key personnel depending on their involvement in a project. Research fellows, residents, associates and consultants may be key personnel.
- Investigators at other institutions who are working closely with the UM PI and are considered “key personnel” as defined above.
- Anyone named in the informed consent document.
- For Cancer Center studies a biostatistician must be named.

**Q** We have fellows, medical students, different nurses who are involved with subjects, consenting or doing other duties as part of their job or education but are not key personnel or named in the informed consent document; do they have to be listed in the application?

**A** Typically they do not, HOWEVER:
- On a study-by-study basis, the IRB may sometimes require persons in non-key roles be named in the application where the IRB determines its review, in order to be in compliance with federal regulations, requires detailed information about those persons.
- The application must account for or describe the responsibilities of the unnamed persons. For example, if nurses or rotating fellows will be handling the informed consent process, their title (e.g. fellow), their training, and their duties should be detailed in section 10 of the eResearch application.
- Departments handling medical records will often not provide data to anyone not named on the IRB application.
- University policies require PIs ensure that all staff and students under their supervision complete the PEERRS (http://my.research.umich.edu/peerrs/help.php) Human Subject Training module if they are involved in human subjects research (as human subjects are defined under the federal regulations – see (http://www.med.umich.edu/irbmed) to review these definitions).
- Departments handling medical records will often not provide data to anyone not named on the IRB application.
- University policies require PIs ensure that all staff and students under their supervision complete the PEERRS (http://my.research.umich.edu/peerrs/help.php) Human Subject Training module if they are involved in human subjects research (as human subjects are defined under the federal regulations – see (http://www.med.umich.edu/irbmed) to review these definitions).

**Q** If I want to use animals in research, where do I start?

**A** Gaining access to eSirius (UCUCA’s online application submission program) to fill out an animal use application is the first step to working with animals. Visit (http://www.ucuca.umich.edu/formapp.htm) for the access request form.

Once the form is submitted, and access information is received, you can log into eSirius and start your application by selecting “Submit an Application for a New Protocol.” Visit the UCUCA website (http://www.ucuca.umich.edu) for additional information about obtaining access and getting started.

**FREQUENTLY ASKED QUESTIONS**

**Q** If I have any questions regarding the UCUCA or anything else related to your animal work or compliance, please do not hesitate to contact the UCUCA Office (ucuca.office@umich.edu or 734-763-8028).

**Post Approval Monitoring**

The UCUCA now has a more intensive post approval monitoring program. At least once each year, one of the UCUCA office compliance associates will be visiting with you or your laboratory staff to discuss your approved protocols. During this time, the compliance staff will review your approved protocols with you and provide you with updated information and new policies as it pertains to your laboratory. This is a great opportunity for you to ask any questions you may have about the UCUCA process or policies and regulations.

**Effect of Holiday Schedule on Renewal UCUCA Applications**

With the upcoming holidays, we would like to remind everyone to try to submit any renewal UCUCA applications as soon as possible to prevent lapses in approval. The UCUCA requests that protocols be submitted a minimum of two months prior to the expiration date to insure that there is adequate time to prevent lapses in approval. Conducting animal activities – including housing, breeding, interventions/experimental manipulations, and euthanasia – after a protocol has expired is a violation of National Institutes of Health (NIH) grants Policy, as well as the Public Health Service (PHS) Policy. Additionally, the UCUCA Office will be closed on December 25, 2008 and will reopen on January 5, 2008. During this time, protocols will not be sent between reviewers or investigators and, therefore, this 12-day period should not be included when planning to submit eight weeks prior to expiration.

If you ever have any questions regarding the UCUCA or anything else related to your animal work or compliance, please do not hesitate to contact the UCUCA Office (ucuca.office@umich.edu or 734-763-8028).

**Q** How do I purchase animals?

**A** Visit (http://www.ulam.umich.edu/ordering/ordering.htm) to access forms and instructions to order animals from the Unit for Laboratory Animal Medicine (ULAM).
NIH Funding Frozen until March 2009

Right before leaving to campaign, members of Congress passed a Continuing Resolution (CR) that funded most domestic federal programs at FY08 levels until March 2009. When the Democratic-controlled Congress begins its new session, one of the first orders of business will be to pass its domestic FY09 appropriations bills and send them to the White House for signature.

Until then, federal research programs largely will be flat funded. However, the National Institutes of Health (NIH) itself will actually see a slight decrease of 0.5% as compared to 2008. The CR funds the NIH at the annual rate of $29.5 billion. This is $150 million below the 2008 level.

As a result of the passage of this six-month CR, on October 2, 2008, NIH officials sent out an announcement that until Washington enacts its FY09 appropriation for the agency, the NIH will issue non-competing research grant awards at lower levels than indicated on the most recent Notice of Award (generally up to 90% of previously committed levels). This decision mirrors responses to similar CRs in the past years.

When Congress returns to Washington at the start of 2009, there are hopes that it passes appropriations legislation that will provide additional dollars for the NIH for the remaining months of FY09. Additional funds also might be available in an expected economic stimulus package. In November, Senate Majority Leader Reid (D-NV) and Senator Robert Byrd (D-WV) introduced an economic stimulus bill (S. 3689). Of the $100.3 billion in spending proposed, $1 billion would be allocated to the NIH to support additional scientific research.

KUDOS

Emergency Response Research Wins Fourth Award

In early November, Suresh Bhavnani, research assistant professor, Center for Computational Medicine and Biology, and his team, won the top poster award at the World Usability Day conference (http://www.worldusabilityday.org) held at Michigan State University. This poster described their research to enhance emergency responses by translating network analysis of toxic chemical and related symptoms into the design and evaluation of a first-responder decision support system, called “MAIDN.” In short, they have developed a process that can dramatically reduce the time that it takes to identify a hazardous chemical when a first-responder arrives to a hazardous material emergency, which could include a so-called “dirty bomb.”

Over the past 12 months, Bhavnani and his team have won four local and national awards related to their work on emergency response. They have won (1) a distinguished paper award from the American Medical Informatics Association, (2) a poster award from U-M’s Undergraduate Research Opportunity Program, (3) a UROP faculty mentorship award and (4) the World Usability Day award mentioned above. Additionally, team member Paul Saxman, software architect, Michigan Institute for Clinical and Health Research, won a Dean’s Professional Staff Award, honorable mention, for his software-architecture contributions to the first-responder system plus his work on the CTSA portal and other projects.

The project was recently presented to Steven Phillips, chair, Disaster Information Management Research Center, and associate director, Special Information Services, National Library of Medicine. Phillips has invited the team back to Washington, D.C., for further discussions.

In addition to Bhavnani and Saxman, this interdisciplinary team includes Clay Scott, assistant professor of Electrical Engineering and Computer Science, U-M’s College of Engineering; Rudy Richardson, professor, Environmental Health Sciences and DOW Professor of Toxicology, School of Public Health; Chris Weber, Ph.D., deputy director, Washtenaw County Hazardous Material Response Team; and Arun Ganesan, U-M undergraduate engineering student.

For more information about this research, visit (http://www-personal.si.umich.edu/~bhavnani/papers/Bhavnani-et-al-WUD-Poster-2008.pdf).

FYI CORNER

Biomedical Research Core Facilities (BRCF) Holiday Closing Schedules

Many of the staff in the BRCF will be using their University Season Days between December 25, 2008 and January 1, 2009. The schedule for the individual laboratories during the holidays is given below.

- **Biomedical Research Store (2580 MSRB II; 2297 LSI; A681 BSRB)** – The LSI site (2297 LSI) will be closing at noon on December 24, but 2580 MSRB II and A681 BSRB will be open for business until 5:00 PM December 24. All store sites will reopen at 8:15 AM on January 2. The deadline for special orders to be placed will be 10:00 AM on December 22.

- **DNA Sequencing Core (2568 MSRB II)** – The Core will close at 5:00 PM December 24. The Core will reopen at 8:15 AM January 2. To receive results by December 24, please check the Core’s web site for notice of turnaround times and any holiday deadlines.

- **Transgenic Animal Model Core (2578 MSRB II/2526 MSRB I)** – Services will not be available after 5:00 PM December 24. The Core will reopen at 9:00 AM January 2.

- **Flow Cytometry Core**
  - **7416 Cancer and Geriatrics Center** – The Flow Core will be closed December 24-26 and January 1. The Flow Core will operate with slightly reduced capacity and reduced hours (9:00-5:00) December 29-31. Experiments should be scheduled in advance as usual. However, since the week before Christmas tends to be very busy, investigators who wish to have experiments performed during that time (December 15-23) should schedule their experiments as soon as possible.
  - **3222 Life Sciences Institute** – The Flow Cytometry Core Satellite will be closed December 24 through January 1.
  - **A701 BSRB** – The Flow Cytometry Core Satellite will be closed December 24 through January 1.
FUNDING/AWARD OPPORTUNITIES

Funding opportunities listed below are for external limited submissions and 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.

Mary Kay Ash Charitable Foundation Grants for Innovative Translational Cancer Research

Internal Deadline: December 22, 2008

The Mary Kay Ash Charitable Foundation is accepting grant applications for innovative translational research in ovarian, uterine, breast or cervical cancer. Translational research is broadly defined as research that will provide a scientific link between laboratory research and the clinic. Ultimately such research would lead to improvements in diagnosis, prognosis, prevention, or treatment of cancer. The award will be up to $100,000 (combined direct and indirect costs) for a two-year period. The University of Michigan may submit TWO applications: one through the Medical School and one through the School of Public Health. Deadline for submission of an application to the Foundation is February 13, 2009.

For consideration as an institutional nominee, submit the following electronically in a single PDF document by December 22, 2008: a 3-page research plan, a NIH formatted biosketch, and a nominating letter from the department chair.

We acknowledge receipt of all electronic submissions.

For applications through the Medical School: send to (limitedsubmissions@umich.edu). For applications through the School of Public Health: send to (philbert@umich.edu). Contact Kathryn Ridner at 734-763-4086 or (kridner@umich.edu) with any questions. Visit (http://www.mkacf.org/Pages/CancerGrantProgram.aspx) for more information and to download an application.

Ellison Medical Foundation

New Scholar Award in Aging

Internal Deadline: January 9, 2009

Foundation Deadline: February 26, 2009

The University of Michigan has been invited to nominate two candidates to apply for The Ellison Medical Foundation New Scholar Award in Aging. Each award provides up to $100,000 per year for a four-year period. Funding for years two, three and four is contingent upon submission of an acceptable progress report.

Eligible candidates: new independent investigators of outstanding promise in basic biomedical research relevant to aging, in the first three (3) years of their research career following their post doctoral fellowship experience. For the 2009 competition, as of March 1, 2009, nominees must hold regular full time appointments (tenure or non-tenure) on the faculty of the sponsoring institution and they must not have been in such an appointment, at the sponsoring institution or other institution(s), for more than three years as of July 15, 2009, i.e., the appointment having been made no earlier than July 15, 2006.

Details on the goals of the program, eligibility requirements, and terms of the award, may be found on the Foundation’s website (http://www.ellisonfoundation.org).

NOTE: Not all eligibility criteria may be listed in this abstract. Before submitting an application for this internal competition, it is the applicant’s responsibility to visit the foundation website (listed below) and verify that both the applicant and their project meet ALL eligibility criteria. For consideration as an institutional nominee, submit the following electronically in a single PDF document by January 9, 2009 to (OVPRlimitedsubmissions@umich.edu):

1. 3-5 page letter of intent responsive to the RFP, including:
   Description of research proposal, its significance, how it will be carried out and how it is likely to have an impact in the field of biomedical aspects of aging.
2. Personal statement describing goals in the field of biomedical aspects of aging.
3. NIH formatted biosketch.
4. Nominating letter from dean(s) or department chair(s).

Direct any questions to Jane Ritter at (ritterj@umich.edu) or 734-763-1290 in the Office of the Vice President for Research, University of Michigan.

Damon Runyon Clinical Investigator Award

Internal Deadline: January 13, 2009

The Damon Runyon Cancer Research Foundation’s Clinical Investigator Award was created to protect and cultivate those promising young physicians willing to devote their careers to the development and application of new diagnostic approaches and therapeutic strategies for cancer and cancer prevention through clinical investigation. In addition to candidates working in translational clinical oncology, the Foundation is interested in candidates whose research relates to or uses imaging technologies and molecular imaging in cancer. The award will provide financial support for the investigator ($100,000 per year for three years) and a research allowance ($50,000 per year for three years). The Foundation will also retire up to $100,000 of any qualifying medical school debt still owed by the awardee.
Eligibility Criteria:
1. Applicants must be U.S. citizens or permanent legal residents.
2. Applicants must have a M.D. or M.D./Ph.D. degree from an accredited institution and be board-eligible.
3. The applicant may apply during the final year of their subspecialty training or within the first four years of their initial assistant professorship appointment. Candidates may apply up to three times during this eligibility period. Candidates holding or awarded R01s at the time of application are not eligible to apply.
4. The applicant must commit to spending 80% of their time conducting research.
5. The applicant is required to apply in conjunction with a mentor who is established in the field of clinical translational cancer research, cancer prevention and/or epidemiology and can provide the critical guidance needed during the period of the award. No more than two Damon Runyon Clinical Investigators will be funded to work with the same mentor at any given time.
6. Investigators may receive funding from other sources to support their research. However, no other physician-scientist career development award from a private source (non-federal government) may be held concurrently with the Clinical Investigator Award.

NOTE: Not all eligibility criteria may be listed in this abstract. Before submitting an application for this internal competition, it is the applicant’s responsibility to visit the foundation website (http://www.damonrunyon.org/for_scientists/categories/category/awards) and verify that both the applicant and their project meet ALL eligibility criteria. Deadline for submission of an application to Damon Runyon is March 2, 2009.

UM may nominate two candidates. For consideration as an institutional nominee, submit the following electronically in a single PDF document by January 13, 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.

Internal Submissions

Coulter Translational Research Partners Grant Program
Deadline: December 19, 2008 (5:00 PM)
The fourth round of awards from the UM Wallace H. Coulter Foundation Translational Research Partnership begins this November with the official Call for Proposals. Awards are for one year, and grants are typically $100,000 in direct costs. Funding will be used to support collaborative translational research projects that involve co-investigators from the Department of Biomedical Engineering (BME) and a clinical department. The research must relate directly to applications in health care, and the objectives of the project should include an outcome that will benefit patients. Each proposal will be evaluated on the basis of scientific merit, potential health care impact and significance, and the potential for commercialization and successfully obtaining further support.

Submit proposals via email to the Coulter Program Coordinator, Anna Folsom (afolsom@umich.edu). It is strongly suggested that applicants discuss their proposal with the Coulter Program Director, Jim O’Connell (jimconn@umich.edu or 734-647-9926) before submission. For a 2009 Application, visit (http://www.bme.umich.edu/research/coulter_apply.php).

UM Center for Genetics in Health and Medicine Postdoctoral Fellowship Deadline: January 12, 2009
To enhance and enrich genetics research at the University of Michigan by increasing basic science, clinical and translational research opportunities, the Center for Genetics in Health and Medicine (CGHM) offers two postdoctoral fellowship awards annually. Each fellowship provides one year of funding for individuals who wish to undertake a research project in the field of genetics in health and medicine. We encourage interdisciplinary projects, with co-mentorship by faculty in clinical and basic sciences in the Medical School or co-mentorship across different schools. Applicants must have a Ph.D. and/or M.D. degree and hold a position as a postdoctoral fellow at the University of Michigan. Awards will be made to U.S. citizens, permanent residents, and international applicants. For more information, visit (http://www.cghm.med.umich.edu/funding.htm).

OVPR Staff Service Awards Program Deadline: January 23, 2009
The Office of the Vice President for Research (OVPR) invites nominations of outstanding staff members for two awards (listed below) established to recognize exceptional and distinguished contributions or performance in the support of the University’s research mission. Nomination guidelines for these awards are available from the OVPR website (http://www.research.umich.edu/contacts/ovpr/staff.awards/Nomination_guidelines.html). For questions, contact Jane Ritter at 734-763-1290 or (ritterj@umich.edu).

• Distinguished Research Administrator Award – This awards honors individuals who have demonstrated over a number of years distinguished service exemplifying the goals of professional research administration. Staff members from any unit of the University whose duties are primarily research administration are eligible. The award recipient(s) will receive a $1,250 honorarium and a plaque.

• OVPR Exceptional Service Award – This award honors individuals or teams of people involved in any area of work who have made outstanding contributions that go beyond the ordinary fulfillment of the position’s duties. This award is open to staff who work in OVPR or any unit that reports to OVPR (see list online). The award recipient(s) will receive a $1,250 honorarium and a plaque.
UMMS AWARDED GRANTS

Anesthesiology

PI: Chiravuri, Srinivas
Title: PAIN FELLOWSHIP EDUCATIONAL SIMULATION MODEL: PHANTOM INJECTION CADAVAR
Sponsor: Advanced Neuromodulation Systems
Project Dates and Amount of Award: 07/01/08-08/31/09; $38,000

PI: Clauw, Daniel
Co-I: Glass, Jennifer (Psych Substance Abuse) / Williams, David
(Anesthesiology Department)
Title: MILNACIPRAN IN PAIN PROCESSING IN PATIENTS WITH FIBROMYALGIA: AN FMRI STUDY (A SINGLE-CENTER, RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED, TWO-WAY CROSSOVER STUDY TO EVALUATE THE EFFECT OF)
Sponsor: Forest Laboratories, Inc.
Project Dates and Amount of Award: 11/10/08-05/30/10; $740,138

PI: Williams, David
Co-I: Bradley, Brandly (Physical Medicine & Rehab Dept) / Patil, Parag
(Anesthesiology)
Title: COPING SKILLS TRAINING FOR SPINAL CORD STIMULATOR PATIENTS
Sponsor: NIH - Subcontracts TO Duke University NS 053759
Project Dates and Amount of Award: 09/30/08-08/31/09; $179,266

Biological Chemistry

PI: Andrews, Philip
Title: CTA CATALYTIC FUNDS: A MICHIGAN PROTEOME INFORMATICS RESOURCE
Sponsor: Core Technology Alliance
Project Dates and Amount of Award: 06/01/08-05/31/09; $41,250

PI: Andrews, Philip
Title: DEFINING SECRETED GLYCAN ALTERATIONS IN PANCREATIC CANCER
Sponsor: NIH - Subcontracts TO Van Andel Research Institute
Project Dates and Amount of Award: 08/11/08-07/31/09; $34,831

PI: Kerppola, Tom
Co-I: Fujinaga, Koh (Biological Chemistry Dept)
Title: ANALYSES OF HIV TRANSCRIPTION AND DEVELOPMENT OF A NOVEL ANTI-HIV THERAPY
Sponsor: Japan Health Sciences Foundation
Project Dates and Amount of Award: 04/01/08-03/31/09; $43,753

PI: Kerppola, Tom
Co-I: Tziria, Tzvi (LSA Molec. / Cell. / Develop. Bio)
Title: OPTIMIZATION OF BIOMOLECULAR FLUORESCENCE COMPLEMENTATION PROBES FOR NEW IMAGING FUNCTIONS
Sponsor: NIH 1 R01 GM 086213 01
Project Dates and Amount of Award: 09/30/08-08/31/12; $2,735,497

Comprehensive Cancer Center

PI: Talpaz, Moshe
Title: ORALLY ADMINISTERED TG101348 IN PATIENTS WITH PRIMARY OR SECONDARY MYELOFIBROSIS (UMCC 2008.053: AN OPEN-LABEL STUDY TO EVALUATE THE LONG-TERM EFFECTS OF)
Sponsor: TargetGen, Inc.
Project Dates and Amount of Award: 11/01/08-04/30/10; $201,656

PI: Talpaz, Moshe
Title: THE SAFETY, PHARMACOKINETICS, AND PHARMACODYNAMICS OF XL019 ADMINISTERED TO SUBJECTS WITH POLYCYTHEMIA VERA (UMCC 2007.121: XL019-002-A PHASE I DOSE-ESCALATION STUDY OF)
Sponsor: Exelixis, Inc.
Project Dates and Amount of Award: 09/25/08-09/25/10; $702,131

PI: Talpaz, Moshe
Title: UMCC 205.660/HUM22661 /A PHASE I DOSE ESCALATION STUDY OF OMP-21M5 IN SUBJECTS WITH SOLID TUMORS
Sponsor: OncoMed Pharmaceuticals, Inc.
Project Dates and Amount of Award: 09/05/08-04/30/09; $323,063

Dermatology

PI: Fisher, Gary
Co-I: Harting, Mandy (Pharmacology Department) / Sachs, Dana
(Pharmacology Department)
Title: ACTIVITY OF COFFEEBERRY ON HUMAN SKIN
Sponsor: Stiefel Laboratories
Project Dates and Amount of Award: 11/01/08-10/31/09; $79,800

PI: Kang, Sewon
Title: 4 WEEKS TREATMENT WITH TOPICAL CP-690-550 IN CHRONIC PLAQUE PSORIASIS (PHASE 2A RANDOMIZED, DOUBLE-BLIND, VEHICLE-CONTROLLED, INTRA-INDIVIDUAL COMPARISON TRIAL ASSESSING SAFETY, TOLERATION, PHARMACOKINETICS AND PILOT EFFICACY OF)
Sponsor: ICON Clinical Research, Inc. TO Pfizer Incorporated
Project Dates and Amount of Award: 08/12/08-12/31/09; $85,603

Family Medicine

PI: Fetters, Michael
Co-I: Sen, Ananda (Ctr Statistical Consul & Res)
Title: MEDICAL MARVELS INTERACTIVE TRANSLATIONAL RESEARCH EXPERIENCE (MITRE)
Sponsor: NIH 1 R03 LM 010052 01
Project Dates and Amount of Award: 09/30/08-09/29/10; $77,250

Internal Medicine

PI: Bach, David
Title: PROJECT HELIUM
Sponsor: Edwards Lifesciences Llc
Project Dates and Amount of Award: 04/18/08-08/30/10; $34,984

PI: Baker, Laurence
Co-I: Chery, William (Int Med-Gastroenterology)
Title: A CLINICAL TRIAL OF HELICOBACTER PYLORI ERADICATION IN LATIN AMERICA
Sponsor: Gates, Bill and Melinda, Foundation
Project Dates and Amount of Award: 07/24/08-07/24/10; $2,520,905

PI: Barkan, Ariel
Title: PASIREOTIDE LR VS. OCTREOTIDE LR IN PATIENTS WITH ACTIVE ACROMEGALY, A MULTICENTER, RANDOMIZED, BLINDED STUDY TO ASSESS SAFETY AND EFFICACY OF
Sponsor: Novartis
Project Dates and Amount of Award: 10/30/08-07/26/10; $162,742

PI: Brosius III, Frank
Co-I: Feldman, Eva (Neurology Department) / Kretzler, Matthias (Int Med-Nephrology)
Title: INTEGRATED SYSTEMS BIOLOGY APPROACH TO DIABETIC MICROVASCULAR COMPLICATIONS
Sponsor: NIH 1 R24 DK 082841 01
Project Dates and Amount of Award: 03/30/08-09/29/09; $463,500

PI: Buckanovich, Ronald
Title: USING EMBRYONIC STEM CELLS TO RE-CREATE A HUMAN TUMOR MICROENVIRONMENT TO DEVELOP OVARIAN CANCER THERAPEUTIC AND DIAGNOSTIC TOOLS
Sponsor: NIH 1 DP2 OD 004197 01
Project Dates and Amount of Award: 09/30/08-08/31/13; $2,317,500

PI: Gibri, Diane
Title: ALEFACEPT IN DE NOVO KIDNEY TRANSPLANT RECIPIENTS (A PHASE 2, RANDOMIZED, OPEN-LABEL, PARALLEL GROUP, MULTI-CENTER STUDY TO ASSESS THE SAFETY AND EFFICACY OF)
Sponsor: Astellas Pharma Us, Inc.
Project Dates and Amount of Award: 05/01/08-08/31/11; $281,640

PI: Erba, Harry
Title: UMMC2008.017 SINGLE-AGENT OBATOCLAX MESYLATE ADMINISTERED FOR 3 CONSECUTIVE DAYS EVERY 2 WEEKS TO OLDER PATIENTS WITH PREVIOUSLY UNTREATED ACUTE MYELOID LEUKEMIA (AML) (A MULTICENTER, OPEN-LABEL, 2 STAGE, PHASE II STUDY OF)
Sponsor: Gemin X Pharmaceuticals
Project Dates and Amount of Award: 08/01/08-07/31/10; $207,673

PI: Fendrick, A
Title: EMPLOYER ADVISORY BOARD PUBLICATION
Sponsor: Pfizer Incorporated
Project Dates and Amount of Award: 06/30/08-06/29/09; $12,000

PI: Fontana, Robert
Title: MICHIGAN HEPATOTOXICITY CLINICAL RESEARCH NETWORK
Sponsor: NIH 2 U01 DK 065184 06
Project Dates and Amount of Award: 09/30/08-06/30/13; $1,333,719

PI: Fox, David
Title: MICHIGAN ANTIBODY TECHNOLOGY CENTER
Sponsor: MEDC/MLSC TO Van Andel Research Institute
Project Dates and Amount of Award: 06/01/08-05/31/09; $11,250

PI: Fries, Brant
Title: MEASURING PSYCHIATRIC PROBLEMS IN MICHIGAN CORRECTIONAL FACILITIES
Sponsor: MI, State Of Community Health
Project Dates and Amount of Award: 10/01/08-09/30/09; $432,776
Pl: Gitlin, Scott  
**Title:** PAROXYSMAL NOCTURNAL HEMOGLOBINURIA (PNH) SUBJECT REGISTRY  
**Sponsor:** Alexion Pharm Incorporated TO ICON Clinical Research, Inc.  
**Project Dates and Amount of Award:** 09/01/08-08/31/12; $8,590  

Pl: Good, Eric  
**Title:** THE IMPACT OF BIOTRONIK HOME MONITORING GUIDED ANTICOAGULATION ON STROKE RISK IN PATIENTS WITH IMPLANTED ICD AND CRT-D DEVICES (IMPACT STUDY)  
**Sponsor:** Biotronik, Inc.  
**Project Dates and Amount of Award:** 09/25/08-12/31/11; $81,151  

Pl: Gruber, Stephen  
**Title:** PRECLINICAL IN VITRO AND IN VIVO SCREENING ASSAYS FOR CANCER PREVENTIVE AGENT DEVELOPMENT  
**Sponsor:** NIH - Subcontracts TO Cornell University  
**Project Dates and Amount of Award:** 11/01/08-10/30/10; $478,998  

Pl: Hayes, Daniel  
**Title:** TAMOXIFEN BIOTRANSFORMATION PATHWAY PHARMACOGENOMICS  
**Sponsor:** NIH - Subcontracts TO Mayo Clinic Rochester  
**Project Dates and Amount of Award:** 07/11/08-06/30/11; $150,000  

Pl: Henry, Norah  
**Title:** DULOXETINE FOR TREATMENT OF AROMATASE INHIBITOR-ASSOCIATED MUSCULOSKELETAL SYMPTOMS IN BREAST CANCER PATIENTS (2008.062: PILOT PROSPECTIVE CLINICAL TRIAL EVALUATING THE USE OF)  
**Sponsor:** Lilly, Eli, and Company  
**Project Dates and Amount of Award:** 11/01/08-04/30/10; $93,229  

Pl: Huang, Steven  
**Title:** EPIGENETIC REGULATION OF THE E PROSTANOID 2 RECEPTOR GENE IN FIBROTIC LUNG FIBROBLASTS  
**Sponsor:** Francis Families Foundation  
**Project Dates and Amount of Award:** 07/11/08-06/30/11; $150,000  

Pl: Iwashyna, Theodore  
**Title:** THE STRUCTURE AND OUTCOMES OF CRITICAL CARE TRANSFER NETWORK  
**Sponsor:** NIH 1 K08 HL 091249 01  
**Project Dates and Amount of Award:** 09/19/08-06/30/13; $660,815  

Pl: Jain, Renuka  
**Co-I:** Flanders, Scott (Int Med-General Medicine)  
**Title:** PREVENTING DEATHS FROM IN-HOSPITAL CARDIAC ARRESTS: WHAT ARE THE CONSEQUENCES OF MEDICAL ERRORS DURING CARDIOPULMONARY RESUSCITATION  
**Sponsor:** Blue Cross Blue Shield of Michigan Foundation  
**Project Dates and Amount of Award:** 07/11/08-07/10/10; $9,775  

Pl: Jakubowial, Andrzej  
**Title:** NPI-0052 IN PATIENTS WITH RELAPSED OR RELAPSED / REFRACTORY MULTIPLE MYELOMA (UMCC 2008.047: PHASE 1 CLINICAL TRIAL OF)  
**Sponsor:** Nereus Pharmaceuticals, Inc. TO Multiple Myeloma Research Consortium  
**Project Dates and Amount of Award:** 10/11/08-10/12/11; $376,190  

Pl: Jalife, Jose  
**Co-I:** Anumonwo, Justus (Int Med-Cardiology) / Berenfeld, Omer (Int Med-Cardiology) / Delmar, Mario (Int Med-Cardiology) / Musa, Hassan (Int Med-Cardiology) / Vikstrom, Karen (Int Med-Cardiology) / Zloczower, Sharon (Int Med-Cardiology)  
**Title:** INTERCELLULAR COMMUNICATION AND IMPULSE PROPAGATION  
**Sponsor:** NIH 7 F01 HL 039707 18  
**Project Dates and Amount of Award:** 09/25/08-03/31/11; $6,190,930  

Pl: Jalife, Jose  
**Title:** ARRHYTHMIA MECHANISMS IN TWO INHERITED CARDIAC DISEASES  
**Sponsor:** NIH 7 F01 HL 087226 02  
**Project Dates and Amount of Award:** 09/20/08-08/31/12; $8,179,324  

Pl: Jamerson, Kenneth  
**Title:** THE AMERICAN AFRICAN STUDY OF KIDNEY DISEASE (AASK) AMBULATORY BP PILOT STUDY  
**Sponsor:** King Research & Development, Inc. TO University of Massachusetts  
**Project Dates and Amount of Award:** 01/07/07-06/30/09; $162,499  

Pl: Jamerson, Kenneth  
**Title:** EFFECTS OF DIETARY INTAKE ON CARDIOVASCULAR DISEASE  
**Sponsor:** NIH - Subcontracts TO Johns Hopkins University  
**Project Dates and Amount of Award:** 08/12/08-12/31/09; $8,280  

Pl: James, Mary  
**Co-I:** Fries, Brant (Institute of Gerontology)  
**Title:** TOOLS FOR CONTINUOUS QUALITY IMPROVEMENT OF DETROIT NURSING HOMES  
**Sponsor:** MI, State Of Community Health TO Detroit Area Agency on Aging  
**Project Dates and Amount of Award:** 10/01/08-09/30/09; $74,262  

Pl: James, Mary  
**Co-I:** Fries, Brant (Institute of Gerontology)  
**Title:** UNIVERSITY OF MICHIGAN LONG-TERM CARE DATA ARCHIVE  
**Sponsor:** Health and Human Services, Department of-Office of the Secretary-Subcontracts TO MI, State Of Community Health  
**Project Dates and Amount of Award:** 10/01/08-09/30/09; $300,000  

Pl: Kalifa, Jerome  
**Title:** HIGH RESOLUTION ENDOCARDIAL MAPPING OF ATRIAL FIBRILLATION SOURCES  
**Sponsor:** American College of Cardiology  
**Project Dates and Amount of Award:** 04/01/08-06/30/09; $78,770  

Pl: Kaplan, Mark  
**Title:** A SEARCH FOR A VIRAL CAUSE OF AIDS LYMPHOMA  
**Sponsor:** Concerned Parents for AIDS Research  
**Project Dates and Amount of Award:** 10/01/08-10/31/09; $90,000  

Pl: Katz, Steven  
**Co-I:** Griggs, Jennifer (Int Med-Hematology / Oncology) / Hawley, Sarah (Int Med-General Medicine) / Hoef, Timothy (Int Med-General Medicine) / Jain, Nancy (Hlth Behavior & Hlth Ed Dept)  
**Title:** RACIAL/ETHNIC DISPARITIES IN WORK AND QOL OUTCOMES IN SURVIVORS OF BREAST CANCER  
**Sponsor:** NIH 1 R01 CA 109660 04  
**Project Dates and Amount of Award:** 09/18/08-12/31/08; $1,542,334  

Pl: Koch, Alisa  
**Title:** FUNDING FOR RHEUMATOLOGY RESEARCH TRAINEES TO PRESENT DATA AT MEETINGS  
**Sponsor:** Centocor, Inc.  
**Project Dates and Amount of Award:** 10/24/08-10/23/09; $7,500  

Pl: Koellering, Todd  
**Co-I:** Bashshur, Rashid (UMH Telemedicine Core)  
**Title:** UMH-S ADT HEART FAILURE (HF) HOME MONITORING STUDY  
**Sponsor:** ADT Security Systems, Inc.  
**Project Dates and Amount of Award:** 09/25/07-09/24/09; $310,000  

Pl: Leinninger, Gina  
**Title:** MOLECULAR MECHANISMS OF LEPTIN ACTION VIA NEUROTENSIN-CONTAINING NEURONS OF THE LATERAL HYPOTHALAMUS  
**Sponsor:** The Obesity Society  
**Project Dates and Amount of Award:** 01/11/08-02/28/10; $25,000  

Pl: Lok, Anna  
**Title:** HEPATITIS B CLINICAL RESEARCH NETWORK CLINICAL CENTER: MICHIGAN - HAWAII CONSORTIUM  
**Sponsor:** NIH 1 U01 DK 082863 01  
**Project Dates and Amount of Award:** 09/30/08-05/31/15; $2,543,168  

Pl: Lok, Anna  
**Title:** BOCEPREVIR IN PREVIOUSLY UNTREATED SUBJECTS WITH CHRONIC HEPATITIS C GENOTYPE 1 (A PHASE 3, SAFETY AND EFFICACY STUDY)  
**Sponsor:** Schering Corporation  
**Project Dates and Amount of Award:** 09/25/08-03/24/11; $1,080,036  

Pl: Malek, Sami  
**Title:** IDENTIFICATION OF MOLECULAR PREDICTORS OF APOPTOTIC RESPONSE TO COMPOUND JNJ-26854165 IN CLL AND AML  
**Sponsor:** Janssen Pharmaceutica, Inc.  
**Project Dates and Amount of Award:** 10/01/08-11/01/09; $166,258  

Pl: Martinez, Fernando  
**Co-I:** Curtis, Jeffrey (Int Med-Pulm./Critical Care) / Kazerooni, Ella (Radiology Department)  
**Title:** GENETIC EPIDEMIOLOGY OF COPD  
**Sponsor:** NIH - Subcontracts TO National Jewish Medical Center U01 HL 08997  
**Project Dates and Amount of Award:** 08/14/08-08/31/09; $209,135  

Pl: Merajuraj, Sofia  
**Title:** TARGETING RHOC IN BREAST CANCER: NOVEL DRUGS, MATHEMATICAL MODELS, AND EPIDEMIOLOGICAL STUDIES IN NORTH AFRICA  
**Sponsor:** Breast Cancer Research Fdn  
**Project Dates and Amount of Award:** 10/01/08-09/30/09; $250,000
Pl: Moore, Bethany  
Title: Enumeration of Circulating Fibrocytes in Subjects with Idiopathic Pulmonary Fibrosis (IPF) Treated with a Novel Anti-Fibrotic Agent  
Sponsor: Centocor, Inc.  
Project Dates and Amount of Award: 08/01/08-07/31/09; $125,145

Pl: Nallamothu, Brahmadee  
Title: Carotid Angioplasty and Stenting in the Elderly  
Sponsor: NIH 1 R21 AG 032155 01 A1  
Project Dates and Amount of Award: 09/30/08-08/31/10; $348,398

Pl: Noujaim, Sami  
Title: Development of a Channel Blocking Antibody as a Possible Antiarrhythmic Agent  
Sponsor: American Heart Association, Midwest Affiliate  
Project Dates and Amount of Award: 07/01/08-06/30/10; $85,972

Pl: Phillips, Kristine  
Co-I: Mclaughlin, Vallerie (Int Med-Cardiology) / Rubenfire, Melvyn (Int Med-Cardiology) / Seibold, James (Int Med-Rheumatology)  
Title: A Two-Stage Prospective Observational Cohort Study in Scleroderma Patients to Evaluate Screening Tests and the Incidence of Pulmonary Arterial Hypertension and Pulmonary Hypertension  
Sponsor: Actelion  
Project Dates and Amount of Award: 10/08/08-07/31/13; $397,837

Pl: Pienta, Kenneth  
Title: Inhibition of Monocyte Chemoattractant Protein-1 to Treat Prostate Cancer  
Sponsor: American Cancer Society  
Project Dates and Amount of Award: 07/01/08-12/31/13; $400,000

Pl: Pop-Busui, Rodica  
Title: Once-Weekly Subcutaneous LY2189265 Compared to Sitagliptin in Patients with Type 2 Diabetes Mellitus on Metformin (a Phase 2/3, Placebo-Controlled, Efficacy and Safety Study of)  
Sponsor: Lilly, Eli, and Company  
Project Dates and Amount of Award: 10/15/08-10/14/11; $78,555

Pl: Rae, James  
Co-I: Hayes, Daniel (Int Med-Hematology/Oncology) / Qin, Zhaochui (Biostatistics Department)  
Title: Pharmacogenomic Predictors of Breast Cancer Endocrine Response  
Sponsor: Breast Cancer Research Fdn  
Project Dates and Amount of Award: 10/01/08-03/30/09; $199,999

Pl: Reddy, Raju  
Co-I: Markovitz, David (Int Med-Infectious Diseases)  
Title: Curcumin: a Multi-Mechanism HIV Microbicide  
Sponsor: NIH 1 R21 AI 079539 01  
Project Dates and Amount of Award: 09/09/08-07/31/10; $372,714

Pl: Richardson, Bruce  
Co-I: Mccune, William (Int Med-Rheumatology) / Qin, Zhaochui (Biostatistics Department) / Somers, Emily (Int Med-Rheumatology)  
Title: Genetic/Epigenetic Modeling of Male Lupus Risk  
Sponsor: Lupus Foundation of America  
Project Dates and Amount of Award: 10/01/08-03/30/10; $200,000

Pl: Rosenson, Robert  
Title: IS5 301012 as Add on Therapy in Heterozygous Familial Hypercholesterolemic Subjects with Coronary Artery Disease (CAD) (a Randomized, Double-Blind, Placebo-Controlled Study to Assess the Efficacy and Safety of)  
Sponsor: ISIS Pharmaceuticals To Medpace, Inc.  
Project Dates and Amount of Award: 10/01/08-03/30/09; $114,306

Pl: Seibold, James  
Co-I: Phillips, Kristine (Int Med-Rheumatology)  
Title: An Evaluation of the Pharmacokinetics and Safety of Fixed and Escalating Doses of Oral Treprostinil Diethanolamine (UT-15C) Sustained Release Tablets in Patients W/ SSC  
Sponsor: United Therapeutics Corp  
Project Dates and Amount of Award: 11/13/08-09/30/12; $108,454

Pl: Standiford, Connie  
Title: Speaking Together: Improving Language Services at the University of Michigan Hospitals and Health Centers and Throughout the State of Michigan  
Sponsor: Johnson, Robert Wood, Fdn.  
Project Dates and Amount of Award: 10/01/08-03/31/10; $99,611

Pl: Wang, Shaomeng  
Co-I: Cai, Qian (Int Med-Hematology / Oncology) / Lu, Jianfeng (Int Med-Hematology / Oncology) / Mceachern, Donna (Int Med-Hematology / Oncology)  
Title: Overcoming Apoptosis Resistance of Human Breast Cancer Cells by Targeting Key Apoptosis Regulators  
Sponsor: Breast Cancer Research Fdn  
Project Dates and Amount of Award: 10/01/08-09/30/09; $250,000

Pl: Wang, Thomas  
Co-I: Appelman, Henry (Pathology Department) / Beer, David (Thoracic Surgery Section) / Bhojani, Mahaveer (Radiation Oncology - Ann Arbor) / Fearon, Eric (Int Med-Molecular Med&Genetics) / Greenroad, Joel (Pathology Department) / Johnson, Timothy (Biostatistics Department) / Kwon, Richard (Int Med-Molecular Med&Genetics) / Meyer, Charles (Radiology Department) / Owyang, Chung (Int Med-Gastroenterology) / Papa, Cyrus (Int Med-Gastroenterology) / Tiyawatitanametha, Wilsool (Int Med-Gastroenterology) / Rehmtula, Alinwaz (Radiation Oncology - Ann Arbor) / Ross, Brian (Radiology Department) / Rubenstein, Joel (Int Med-Gastroenterology) / Schoenfeld, Philip (Int Med-Gastroenterology)  
Title: In Vivo Detection of Neoplasia in the Digestive Tract  
Sponsor: NIH 1 U54 CA 136429 01  
Project Dates and Amount of Award: 09/29/08-08/31/13; $5,850,000

Pl: Weitzel III, William  
Title: Vf Doppler: Prototype Development of Compact Wireless Implementation for Planned Use in Upcoming Single Center Prospective Study of the Natural History of Dialysis Access Flow  
Sponsor: Renal Research Institute, LLC  
Project Dates and Amount of Award: 10/01/08-07/31/09; $35,000

Michigan Nanotechnology Institute for Medicine and Biological Sciences  
Pl: Baker Jr, James  
Co-I: Banaszak Holl, Mark (LSA Chemistry) / Cheng, Xue-Min (MI Nanotechnology Institute) / Huang, Baohua (MI Nanotechnology Institute) / Kukowska-Latallo, Jolanta (MI Nanotechnology Institute) / Lauff, Bradford (LSA Physics) / Shi, Xiangyang (MI Nanotechnology Institute) / Young, Vincent (Biostatistics Department)  
Title: Development of New Technologies Needed for Studying the Human Microbiome  
Sponsor: NIH - Subcontracts TO Michigan State University R01  
Project Dates and Amount of Award: 09/23/08-07/31/13; $131,425

Microbiology and Immunology  
Pl: Swanson, Michele  
Co-I: Dubuisson, Eva (Microbiology and Immunology)  
Title: Autophagy as a Component of the Innate Immune Response  
Sponsor: NIH R56 AI 076300 01 A1  
Project Dates and Amount of Award: 09/23/08-08/31/09; $2,677,747

Molecular & Behavioral Neuroscience Institute  
Pl: Sutton, Michael  
Title: Local Mechanisms of Epileptogenesis in Neuronal Dendrites  
Sponsor: PEW Scholars Program in Biomedical Science  
Project Dates and Amount of Award: 07/01/08-06/30/13; $240,000
Molecular & Integrative Physiology

Title: ACUTE ADMINISTRATION OF CK2066654 AND CK2066260 IN AN IN-VITRO PERMEABILIZED MUSCLE FIBER ANALYSIS SYSTEM USING HUMAN TISSUE
Co-I: Paulson, Henrik
Sponsor: Pfizer Incorporated
Project Dates and Amount of Award: 10/22/08-10/21/09; $244,170

Title: LATANOPROST ACID PLASMA CONCENTRATIONS IN PEDIATRIC AND ADULT GLAUCOMA PATIENTS TREATED WITH LATANOPROST 0.005% (A PHASE I, OPEN-LABEL STUDY TO DETERMINE SAFE DOSES)
Co-I: Delmonte, Monte
Sponsor: Pfizer Incorporated
Project Dates and Amount of Award: 10/03/08-12/31/09; $13,303

Title: LATANOPROST AND TIMOLOL IN SUBJECTS WITH CONGENITAL OR APHAKIC GLAUCOMA (A PHASE 3 PROSPECTIVE, RANDOMIZED, DOUBLE MASKED, 12-WEEK, PARALLEL GROUP STUDY EVALUATING THE EFFICACY AND SAFETY OF)
Co-I: Hughes, Bret
Sponsor: Pfizer Incorporated
Project Dates and Amount of Award: 09/11/08-07/31/09; $44,863

Title: ION CONDUCTANCES IN THE RETINAL PIGMENT EPITHELIUM MEMBRANE AND THE RPE/choroidal tissue
Co-I: Johnson, Mark
Sponsor: NIH - Subcontracts TO Molecular Design International
Project Dates and Amount of Award: 07/25/08-07/24/09; $33,000

Neurology

Title: PREGABALIN (LYRICA) AS MONOTHERAPY IN PATIENTS WITH PARTIAL SEIZURES PROTOCOL A0081160 (AN OPEN-LABEL MULTICENTER EXTENSION STUDY TO DETERMINE LONG TERM SAFETY AND EFFICACY OF)
Co-I: Kim, Sinae (Biostatistics Department)
Sponsor: NIH - Subcontracts TO The Feinstein Institute for Medical Research
Project Dates and Amount of Award: 12/01/08-07/31/09; $141,761

Obstetrics & Gynecology

Title: THE EFFECT OF AN ORAL CONTRACEPTIVE CONTAINING BOTH ESTROGEN AND PROGESTERONE ON ENDOTHELIAL FUNCTION AMONG PREMENOPAUSAL WOMEN WITH VISCERAL OBESITY
Co-I: Moore, Bethany (Int Med-Pulm/ Critical Care)
Sponsor: Michigan Technology and Research Institute
Project Dates and Amount of Award: 10/22/08-10/21/09; $244,170

Otolaryngology

Title: SEARCHING FOR RECURRENT GENE FUSIONS AND TRANSLocations IN COMMON SOLID Tumors
Co-I: Zvolan, Teresa (Pediatric Otolaryngology)
Sponsor: GlaxoSmithKline
Project Dates and Amount of Award: 10/01/08-09/30/10; $250,000

Pathology

Title: THE ROLE OF IL-33, SOLUBLE ST2, AND ST2L IN M2 MACROPHAGE ACTIVATION AND ASTHMA
Co-I: Lesperance, Marci
Sponsor: GlaxoSmithKline
Project Dates and Amount of Award: 10/07/08-04/30/12; $2,520,608

Pediatrics & Communicable Diseases

Title: THE ROLE OF AVODART IN PRE-CLINICAL MODELS OF GENE FUSION POSITIVE PROSTATE CANCER
Co-I: Zwolan, Teresa (Pediatric Otolaryngology)
Sponsor: GlaxoSmithKline
Project Dates and Amount of Award: 10/22/08-10/21/09; $125,402

Title: EFFECTS OF GADOLINIUM-CONTAINING MRI CONTRAST AGENTS ON HUMAN DERMAL FIBROBLASTS IN MONOLAYER CULTURE AND HUMAN SKIN IN ORGAN CULTURE
Sponsor: Health and Human Services, Department of-Centers for Medicare and Medicaid Services-Subcontracts TO MI, State Of Community Health
Project Dates and Amount of Award: 10/07/08-04/30/12; $2,520,608

Title: THE FATE OF T CELLS IN MICE TREATED WITH FINGOLIMOD
Sponsor: Almirall Prodesfarma, S.A.
Project Dates and Amount of Award: 09/01/08-08/31/09; $47,030

Title: THE ROLE OF AVODART IN PRE-CLINICAL MODELS OF GENE FUSION POSITIVE PROSTATE CANCER
Sponsor: Centocor, Inc.
Project Dates and Amount of Award: 10/07/08-04/30/12; $2,520,608

Title: T-cell trafficking and fate in the inflamed gut
Sponsor: Health and Human Services, Department of-Centers for Medicare and Medicaid Services-Subcontracts TO MI, State Of Community Health
Project Dates and Amount of Award: 10/07/08-04/30/12; $2,520,608
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**Pharmacology**

**PI:** Iniguez-Lluhi, Jorge  
**Title:** REGULATION OF NUCLEAR RECEPTOR FUNCTION THROUGH SUMO MODIFICATION  
**Sponsor:** NIH 2 R01 DK 061656 06 A1  
**Project Dates and Amount of Award:** 09/01/08-08/31/09; $77,250  
**Co-I:** Sunahara, Roger  
**Title:** STRUCTURE AND DYNAMICS OF BETA 2 ANDRENOCEPTOR COUPLING TO GS  
**Sponsor:** NIH - Subcontracts TO Stanford University  
**Project Dates and Amount of Award:** 05/01/08-02/28/09; $179,590  

**Physical Medicine & Rehabilitation**

**PI:** Chiodo, Anthony  
**Title:** XP19886 IN SUBJECTS WITH SPASTICITY DUE TO SPINAL CORD INJURY (MULTIPLE-DOSE EFFICACY AND SAFETY STUDY OF)  
**Sponsor:** Xenonport Inc.  
**Project Dates and Amount of Award:** 10/06/08-03/31/09; $108,175  
**Co-I:** Meade, Michelle  
**Title:** SELF-MANAGEMENT OF SPINAL CORD INJURY AND DISEASE  
**Sponsor:** Paralyzed Veterans of America (PVA)  
**Project Dates and Amount of Award:** 09/07/01-05/31/09; $85,425  

**Psychiatry**

**PI:** Dopp, Richard  
**Title:** IMPROVING PATTERNS OF PHYSICAL ACTIVITY AND SLEEP IN YOUTH WITH DEPRESSION  
**Sponsor:** Klingenstein Third Generation Foundation  
**Project Dates and Amount of Award:** 07/01/07-06/30/09; $60,000  
**Co-I:** Weil, Eric  
**Title:** ELEVATION OF THE AUDITORY STRESS REACTIVITY IN YOUTH WITH DEPRESSION  
**Sponsor:** Klingenstein Third Generation Foundation  
**Project Dates and Amount of Award:** 07/01/07-06/30/09; $60,000  

**PI:** Fitzgerald, Kate  
**Title:** FMRI STUDY OF DEVELOPING MEDIAL PREFRONTAL CORTICAL FUNCTION IN PEDIATRIC OCD  
**Sponsor:** NIH 1 K23 MH 082176 01 A1  
**Project Dates and Amount of Award:** 10/06/08-03/31/09; $116,000  

**PI:** Fink, Linda  
**Title:** TREATING YOUTH SUICIDE PREVENTION IN MICHIGAN  
**Sponsor:** SAMHSA - Subcontracts TO MI, State Of Community Health  
**Project Dates and Amount of Award:** 10/01/08-09/30/09; $27,001  

**PI:** Liberson, Israel  
**Title:** MINDFULNESS AND SELF-COMPASSION MEDITATION FOR COMBAT POSTTRAUMATIC STRESS DISORDER: RANDOMIZED CONTROLLED TRIAL AND MECHANISTIC STUDY  
**Sponsor:** US DOD-Army, Department of the  
**Project Dates and Amount of Award:** 10/02/08-10/21/12; $999,775  

**PI:** Tsai, Wan  
**Title:** METHANOL EXPOSURE AND INNATE IMMUNE RESPONSES IN COPD  
**Sponsor:** NIH 1 R01 AT 047603 01  
**Project Dates and Amount of Award:** 09/30/08-06/30/12; $1,447,681  

**PI:** Tobin, John  
**Title:** DEVELOPMENTAL MECHANISMS OF THE CHROMODOMAIN GENE CHD7  
**Sponsor:** NIH 1 R01 DC 009410 01 A1  
**Project Dates and Amount of Award:** 07/28/08-07/27/10; $668,800  

**PI:** Lumeng, Carey  
**Title:** MECHANISMS OF INTRASPECIES COMPETITION IN STREPTOCOCCUS PNEUMONIAE  
**Sponsor:** NIH 7 K08 AI 071090 02  
**Project Dates and Amount of Award:** 07/01/07-11/30/09; $343,638  

**PI:** Nasr, Samya  
**Title:** ANATOMICAL AND FUNCTIONAL ASPECTS OF THE LUNG IN ADULTS AND CHILDREN  
**Sponsor:** NIH 1 K23 MH 082176 01 A1  
**Project Dates and Amount of Award:** 10/06/08-03/31/09; $108,175  

**PI:** Gottfried, Howard  
**Title:** ELEVATION OF THE AUDITORY STRESS REACTIVITY IN YOUTH WITH DEPRESSION  
**Sponsor:** Klingenstein Third Generation Foundation  
**Project Dates and Amount of Award:** 07/01/07-06/30/09; $60,000  

**PI:** Johnson, Paul  
**Title:** ELEVATION OF THE AUDITORY STRESS REACTIVITY IN YOUTH WITH DEPRESSION  
**Sponsor:** Klingenstein Third Generation Foundation  
**Project Dates and Amount of Award:** 07/01/07-06/30/09; $60,000  

**PI:** Meade, Michelle  
**Title:** SELF-MANAGEMENT OF SPINAL CORD INJURY AND DISEASE  
**Sponsor:** Paralyzed Veterans of America (PVA)  
**Project Dates and Amount of Award:** 09/01/08-05/31/09; $85,425  

**PI:** Liberson, Israel  
**Title:** MINDFULNESS AND SELF-COMPASSION MEDITATION FOR COMBAT POSTTRAUMATIC STRESS DISORDER: RANDOMIZED CONTROLLED TRIAL AND MECHANISTIC STUDY  
**Sponsor:** US DOD-Army, Department of the  
**Project Dates and Amount of Award:** 10/09/08-10/21/12; $999,775  

**PI:** Davis, Matthew  
**Title:** INNOVATION BRIDGE: LINKING BIOTECH BREAKTHROUGHS TO EMERGING VACCINE MANUFACTURERS  
**Sponsor:** Gates, Bill and Melinda, Foundation  
**Project Dates and Amount of Award:** 10/01/08-09/30/09; $100,000  

**PI:** Freed, Gary  
**Title:** VACCINATION INFORMATION PROGRAM  
**Sponsor:** CDC-Subcontracts TO Association for Prevention Teaching and Research  
**Project Dates and Amount of Award:** 10/01/08-09/30/11; $200,000  

**PI:** Goldberg, Alan  
**Title:** PEDIATRIC HEART NETWORK - SINGLE VENTRICLE RECONSTRUCTION STUDY  
**Sponsor:** NIH - Subcontracts TO New England Research Institute  
**Project Dates and Amount of Award:** 09/01/08-08/31/09; $50,000  

**PI:** Inonis, Jeffrey  
**Title:** PEDIATRIC GENETIC SERVICES  
**Sponsor:** MI, State Of Community Health  
**Project Dates and Amount of Award:** 10/01/08-09/30/09; $56,000  

**PI:** Kasa-Vubu, Josephine  
**Title:** SAFETY AND EFFICACY AS MONOTHERAPY AND ADJUNCTIVE THERAPY TO ORAL ANTIDIABETIC AGENTS IN ADOLESCENTS WITH TYPE 2 DIABETES  
**Sponsor:** Lilly, Eli, and Company  
**Project Dates and Amount of Award:** 11/01/08-10/31/09; $65,701  

**PI:** Martin, Donna  
**Title:** DEVELOPMENTAL MECHANISMS OF THE CHROMODOMAIN GENE CHD7  
**Sponsor:** NIH 1 R01 DC 009410 01 A1  
**Project Dates and Amount of Award:** 12/01/08-11/30/13; $1,562,857  

**PI:** Menon, Raman  
**Co-I:** Chien, Ming (Pediatrics-Endocrinology) / Nasr, Samya (Pediatrics-Pulmonary Medicine)  
**Title:** GENETICS - NEWBORN ENDOCRINOLOGY AND CYSTIC FIBROSIS SERVICES 2008-2009 CONTRACT  
**Sponsor:** MI, State Of Community Health  
**Project Dates and Amount of Award:** 10/01/08-09/30/09; $456,242  

**PI:** Munn, James  
**Title:** ATINHDATA.QUALITY.COUNTS AWARD  
**Sponsor:** American Thrombosis & Hemostasis Network  
**Project Dates and Amount of Award:** 12/01/08-11/30/09; $30,326  

**PI:** Nasr, Samya  
**Co-I:** Arteta, Manuel (Pediatrics-Pulmonary Medicine) / Ashraf, Feraz (Pediatrics-Pulmonary Medicine) / Filbrun, Amy (Pediatrics-Pulmonary Medicine) / Hershenson, Marc (Pediatrics-Pulmonary Medicine) / Lewis, Toby (Pediatrics-Pulmonary Medicine) / Lumeng, Carey (Pediatrics-Pulmonary Medicine) / Tsai, Wang (Pediatrics-Pulmonary Medicine)  
**Title:** AZTREONAM LYSINE FOR INHALATION IN PATIENTS WITH CYSTIC FIBROSIS, MILD LUNG DISEASE AND P. AERUGINOSA (AIR-CF4), A DOUBLE-BLIND, MULTICENTER, MULTINATIONAL, RANDOMIZED, PLACEBO-CONTROLLED TRIAL EVALUATING  
**Sponsor:** Gilead Sciences, Inc.  
**Project Dates and Amount of Award:** 10/10/08-10/09/09; $31,620
Radiation Oncology

PL: Cao, Yue
Co-I: Chenevert, Thomas (Radiology Department) / Hussain, Hero (Radiology Department) / Pan, Charlie (Radiation Oncology - Ann Arbor) / Ten Haken, Randall (Radiation Oncology - Ann Arbor)

Title: PREDICTING LIVER INJURY USING MRI PERFUSION

Project Dates and Amount of Award: 09/28/08-03/30/10; $382,388

Sponsor: NIH 1 R21 CA 126137 01 A2

Radiology

PL: Bohnen, Nicolaas

Title: COGNITIVE-MOTOR AND NEUROMOBILITY ASSESSMENTS (VA CONTRACT)

Project Dates and Amount of Award: 09/01/08-03/30/10; $32,688

Sponsor: Veterans Affairs, Dept. of

PL: Bohnen, Nicolaas

Title: STRIATAL AND EXTRA-STRIATAL MECHANISMS OF FALLING IN PARKINSON’S DISEASE

Project Dates and Amount of Award: 10/01/08-03/30/12; $399,980

PL: Frey, Kirk

Co-I: Burant, Charles (Metabolism, Endo & Diabetes) / Chang, Annette (Metabolism, Endo & Diabetes) / Koepp, Robert (Radiology-Nuclear Medicine)

Title: 18F-FP-DTBZ FOR PET IMAGING OF BETA CELL MASS IN DIABETES

Sponsor: NIH - Subcontracts To Avid Pharmaceuticals R43 DK 079416

Project Dates and Amount of Award: 08/01/08-12/31/09; $64,013

PL: Kazerouni, Ella

Co-I: Jacobson, Jon (Radiology Department) / Mukherji, Suresh (Radiology Department) / Platt, Joel (Radiology Department) / Sundaram, Baskaran (Radiology Department)

Title: DOSE REDUCTION IN CT: A PRACTICE QUALITY IMPROVEMENT (PQI)

Sponsor: GE Healthcare

Project Dates and Amount of Award: 11/01/08-10/31/09; $4,382,866

PL: Koeppe, Robert

Title: DOMINANTLY INHERITED ALZHEIMER NETWORK

Sponsor: NIH - Subcontracts To Washington University in St. Louis U01 AG

Project Dates and Amount of Award: 09/15/08-06/30/09; $127,270

PL: Ross, Brian

Co-I: Chenevert, Thomas (Radiology Department) / Fearon, Eric (Int Med-Hematology/Oncology) / Galban, Craig (Radiology Department) / Hussain, Maha (Int Med-Hematology/Oncology) / Johnson, Timothy (Biostatistics Department) / Luker, Gary (Radiology Department) / Mckeever, Paul (Pathology/Pathology) / Meyer, Charles (Radiology Department) / Rehmuthulla, Alnawaz (Radiation Oncology - Ann Arbor) / Wang, Thomas (Int Med-Gastroenterology) / Wicha, Max (Int Med-Hematology/Oncology)

Title: IN VIVO IMAGING OF NEOPLASIA

Sponsor: NIH 2 PG-CA 09907 A1

Project Dates and Amount of Award: 09/22/08-03/31/13; $9,776,390

PL: Williams, David

Co-I: Bernbeck, Sally (Radiology Department) / Cho, Kyung (Radiology Department) / Cwikiel, Wojciech (Radiology Department) / Deichelbohrer, Leonore (Radiology Department) / Desmond, Jeffrey (Emergency Medicine Admin) / Frechette, James (Internal Medicine Department) / Gemmee, Joseph (Radiology Department) / Henke, Peter (Vascular Surgery Section) / Imo, Jane (Radiology Department) / Krishnamurthy, Venkataramu (Radiology Department) / Mcevoy, Maria (Radiology Department) / Novelli, Paula (Radiology Department) / Reinhardt, John (Vascular Surgery Section) / Shields, James (Radiology Department) / Velody, Ranjith (Radiology Department) / Wakefield, Thomas (Vascular Surgery Section)

Title: PHARMACOMECHANICAL CATHETER-DIRECTED THROMBOLYSIS FOR ACUTE DVT - (ATTRACT) TRIAL

Sponsor: NIH - Subcontracts TO Washington University U01 HL 088476

Project Dates and Amount of Award: 07/09/08-03/31/09; $1,500

Surgery

PL: Alderman, Amy

Co-I: Hawley, Sarah (Int Med-General Medicine) / Janz, Nancy (Hlth Behavior & Hlth Ed Dept) / Katz, Steven (Int Med-General Medicine)

Title: UNDERSTANDING DECISION MAKING AND BREAST CANCER RECONSTRUCTION

Sponsor: NIH 1 R21 CA 122467 01 A2

Project Dates and Amount of Award: 09/22/08-03/30/10; $382,388

PL: Beer, David

Title: VALIDATION OF UBIQUILIN 1 AND CANDIDATE SERUM AUTOANTIBODIES USING A PHAGE EPITOPE MICROARRAY AND MULTIPLEXED IMMUNOBEAD BASED TECHNOLOGIES FOR THE DIAGNOSIS OF LUNG CANCER

Sponsor: NIH - Subcontracts To University of Pittsburgh U01 CA 084968

Project Dates and Amount of Award: 10/01/08-07/31/09; $65,389

PL: Bolling, Steven

Co-I: Seymour, E (Cardiac Surgery Section)

Title: THE EFFECT OF TART CHERRY INTAKE ON CARDIO-VASCULAR RISK

Sponsor: Apple Products Research and Educational Council TO U.S. Apple Association

Project Dates and Amount of Award: 09/01/08-12/31/09; $64,013

PL: Bolling, Steven

Co-I: Kirakosyan, Ara (Cardiac Surgery Section) / Seymour, E (Cardiac Surgery Section)

Title: A MULTI-SYSTEM ANALYSIS OF TISSUE INFLAMMATION AS AFFECTED BY TART CHERRY INTAKE

Sponsor: Cherry Marketing Institute

Project Dates and Amount of Award: 10/01/08-03/30/09; $69,956

PL: Cascalho, Marília

Title: A MUTABLE VACCINE FOR HIV

Sponsor: Gates, Bill and Melinda, Foundation

Project Dates and Amount of Award: 10/01/08-03/30/09; $100,000

PL: Chung, Kevin

Title: UNIVERSITY OF MICHIGAN INTERNATIONAL HAND SURGERY FELLOWSHIP PROGRAM

Sponsor: DePuy Orthopaedics, Inc.

Project Dates and Amount of Award: 08/01/08-07/31/09; $70,000

PL: Fregene, Alero

Title: QUANTITATIVE ANALYSIS OF RADIATION INDUCED INJURY TO THE MANDIBLE

Sponsor: Plastic Surgery Educational Foundation

Project Dates and Amount of Award: 10/13/08-06/30/09; $5,000

PL: Patel, Himanshu

Title: EVALUATION OF THE GORE TAG THORACIC ENDOPROSTHESIS-45 MM FOR THE PRIMARY TREATMENT OFANEURYSMS OF THE DESCENDING THORACIC AORTA

Sponsor: Gore, W. L. & Associates, Inc

Project Dates and Amount of Award: 07/01/08-12/31/13; $69,225

PL: Platt, Jeffrey

Title: XENOGENEIC NATURAL ANTIBODY TARGETS-STRUCTURE/ FUNCTION

Sponsor: NIH 7 R37 HL 052297 16

Project Dates and Amount of Award: 09/01/08-03/31/11; $1,288,802
Studying the interaction between cancer and bone using experimental models.

MIGRATION AND METASTASIS
MODELS OF INTERACTION BETWEEN CANCER AND BONE: CELLULAR AND MOLECULAR MECHANISMS

Sponsor:

PI:

Project Dates and Amount of Award:

Title:

Co-I:

PI:

Project Dates and Amount of Award:

Sponsor:

Title:

Co-I:

PI:

Project Dates and Amount of Award:

UMMS RESEARCH PUBLICATIONS

Family Medicine


MIGRATION AND METASTASIS
MODELS OF INTERACTION BETWEEN CANCER AND BONE: CELLULAR AND MOLECULAR MECHANISMS

Sponsor:

PI:

Project Dates and Amount of Award:

Title:

Co-I:

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Project Dates and Amount of Award:

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UMMS RESEARCH PUBLICATIONS

Family Medicine


MIGRATION AND METASTASIS
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Co-I:

PI:


Microbiology and Immunology


Foster DJ, Heacock AM, Keep RF, Fisher SK. Activation of muscarinic cholinergic receptors on human SH-SY5Y neuroblastoma cells enhances both the influx and efflux of K+ under conditions of hypo-osmolality. J Pharmacol Exp Ther. 2008 May; 325(2): 457-65.


Kamal MA, Keep RF, Smith DE. Role and relevance of PEPT2 in drug disposition, dynamics, and toxicity. Drug Metab Pharmacokinet. 2008; 23(4): 236-42.


**Obstetrics & Gynecology**


**Ophthalmology & Visual Sciences**


**Pathology**


Pediairics & Communicable Diseases


Sajjan US, Carmody LA, Gonzalez CF, Lipuma JJ. A type IV secretion system contributes to tubular survival and replication of Burkholderia cenocepacia. Infect Immun. 2008 Sep 29 (Epub ahead of print).


Zarate CA, Hakakia N, Khan A, Chouinard D, D’Arrigo S, Stahl SM. The 5-HT(2A) and 5-HT(2C) receptors in treatment-resistant depression. J Psychosom Res. 2008; 64(5): 701-707.

Zarate CA, Hakakia N, Khan A, Chouinard D, D’Arrigo S, Stahl SM. The 5-HT(2A) and 5-HT(2C) receptors in treatment-resistant depression. J Psychosom Res. 2008; 64(5): 701-707.

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Stern ER, Welsh RC, Fitzgerald KD, Taylor SF. Topographic analysis of individual activation patterns in medial frontal cortex in schizophrenia. Hum Brain Mapp. 2008 Sep 25 (Epub ahead of print).


Surgery

Cardiac Surgery:


Pediatric Surgery:


Thoracic Surgery:


Vascular Surgery:

Urology