

## 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](mailto: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.

- Two or more letters of support from outside the University.
- A current curriculum vitae for the nominee.

Please submit all materials (in the order listed above) **electronically in a single PDF document by February 6, 2009** to (DFLsubmit@umich.edu). **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 734-615-8802.** Please direct any questions to Camille Mrozowski at (cmrozow@umich.edu).

### **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

(<http://www.research.umich.edu/hrpp/om/Part6.pdf>), for the definition of co-investigator.

**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 PEERS (<http://my.research.umich.edu/peers/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) What if I'm not sure who to list as a member of the Study Team?**

**A)** Review the HRPP OM (<http://www.research.umich.edu/hrpp/om>), call us, post correspondence in eResearch, or email us (734-763-4768 or [irbmed@umich.edu](mailto:irbmed@umich.edu)). We're here to help.

## Animal Research

### 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, 2009. 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](mailto:ucuca.office@umich.edu) or 734-763-8028).

## 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) 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.

**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).

## UPDATE FROM WASHINGTON, DC

### 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 last 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.

- **Protein Structure Core (2552/2558/2574 MSRB II)** – Services will not be available after 2:00 PM December 19. The Core will resume services at 8:30 AM on January 5.
- **NMR Core (1553 CC Little)** – Please contact Scott Woehler, Ph.D., (734-763-9284) for the specific holiday schedule.
- **Biosafety Level 3 (BL3) Core (3566 MSRB II)** – Please contact Steven King, Ph.D., (734-763-4859) for the specific holiday schedule.

## 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](mailto:limitedsubmissions@umich.edu)). For applications through the School of Public Health: send to ([philbert@umich.edu](mailto:philbert@umich.edu)).** Contact Kathryn Ridner at 734-763-4086 or ([kridner@umich.edu](mailto: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](mailto: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](mailto: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](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](mailto: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](mailto: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](mailto:afolsom@umich.edu)). It is strongly suggested that applicants discuss their proposal with the Coulter Program Director, Jim O'Connell ([jimoconn@umich.edu](mailto:jimoconn@umich.edu) or 734-647-9926) before submission. For a 2009 Application, visit ([http://www.bme.umich.edu/research/coulter\\_apply.php](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](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](mailto: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

## External Awarded Grants

### Anesthesiology

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**PI:** Chiravuri, Srinivas

**Title:** PAIN FELLOWSHIP EDUCATIONAL SIMULATION MODEL: PHANTOM INJECTION CADAVER

**Sponsor:** Advanced Neuromodulation Systems

**Project Dates and Amount of Award:** 07/01/08-06/30/11; \$38,000

**PI:** Clauw, Daniel

**Co-I:** Glass, Jennifer (Psych Substance Abuse) / Williams, David (Anesthesiology Department)

**Title:** MILNACIPRAN ON 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, Brandy (Physical Medicine & Rehab Dept) / Patil, Parag (Neurosurgery)

**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

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**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:** Tzfira, 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:** 09/30/08-07/31/12; \$2,735,497

### Comprehensive Cancer Center

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**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:** TargeGen, 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 2008.060/HUM22661/A PHASE I DOSE ESCALATION STUDY OF OMP-21M18 IN SUBJECTS WITH SOLID TUMORS

**Sponsor:** OncoMed Pharmaceuticals, Inc.

**Project Dates and Amount of Award:** 09/05/08-04/30/09; \$323,063

### Dermatology

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**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

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**PI:** Feters, 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

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**PI:** Bach, David

**Title:** PROJECT HELIUM

**Sponsor:** Edwards Lifesciences Llc

**Project Dates and Amount of Award:** 04/18/08-04/30/10; \$34,984

**PI:** Baker, Laurence

**Co-I:** Chey, 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 LAR VS. OCTREOTIDE LAR 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:** Cibrik, 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:** UMCC2008.017 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

**PI:** 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

**PI:** 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

**PI:** 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

**PI:** Hayes, Daniel  
**Title:** TAMOXIFEN BIOTRANSFORMATION PATHWAY PHARMACOGENOMICS  
**Sponsor:** NIH - Subcontracts TO Mayo Clinic Rochester  
**Project Dates and Amount of Award:** 07/11/08-05/31/09; \$61,058

**PI:** 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

**PI:** 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:** 07/01/08-06/30/11; \$150,000

**PI:** 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

**PI:** 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:** 07/11/08-07/10/09; \$9,775

**PI:** Jakubowiak, 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:** 10/13/08-10/12/11; \$376,190

**PI:** 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) / Zlochiver, Sharon (Int Med-Cardiology)  
**Title:** INTERCELLULAR COMMUNICATION AND IMPULSE PROPAGATION  
**Sponsor:** NIH 7 P01 HL 039707 18  
**Project Dates and Amount of Award:** 09/25/08-08/31/11; \$6,190,930

**PI:** Jalife, Jose  
**Title:** ARRHYTHMIA MECHANISMS IN TWO INHERITED CARDIAC DISEASES  
**Sponsor:** NIH 7 P01 HL 087226 02  
**Project Dates and Amount of Award:** 09/20/08-08/31/12; \$8,179,324

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

**PI:** 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

**PI:** 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

**PI:** 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

**PI:** 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

**PI:** 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

**PI:** Katz, Steven  
**Co-I:** Griggs, Jennifer (Int Med-Hematology/Oncology) / Hawley, Sarah (Int Med-General Medicine) / Hofer, Timothy (Int Med-General Medicine) / Janz, Nancy (Hlth Behavior & Hlth Ed Dept)  
**Title:** RACIAL/ETHNIC DISPARITIES IN WORK AND QOL OUTCOMES IN SURVIVORS OF BREAST CANCER  
**Sponsor:** NIH 2 R01 CA 109696 04  
**Project Dates and Amount of Award:** 09/18/08-08/31/11; \$1,542,334

**PI:** 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

**PI:** Koelling, Todd  
**Co-I:** Bashshur, Rashid (UMH Telemedicine Core)  
**Title:** UMHS-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

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

**PI:** 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

**PI:** Lok, Anna  
**Title:** BOCEPREVIR IN PREVIOUSLY UNTREATED SUBJECTS WITH CHRONIC HEPATITIS C GENOTYPE 1 (A PHASE 3, SAFETY AND EFFICACY STUDY OF)  
**Sponsor:** Schering Corporation  
**Project Dates and Amount of Award:** 09/25/08-03/24/11; \$108,036

**PI:** 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

**PI:** 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 089897  
**Project Dates and Amount of Award:** 08/14/08-07/31/09; \$209,135

**PI:** Merajver, 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



**PI:** 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

**PI:** Nallamothu, Brahmajee  
**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

**PI:** 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

**PI:** 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:** 10/08/08-01/08/13; \$397,837

**PI:** 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

**PI:** 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

**PI:** Rae, James  
**Co-I:** Hayes, Daniel (Int Med-Hematology/Oncology) / Qin, Zhaohui (Biostatistics Department)  
**Title:** PHARMACOGENOMIC PREDICTORS OF BREAST CANCER ENDOCRINE RESPONSE  
**Sponsor:** Breast Cancer Research Fdn  
**Project Dates and Amount of Award:** 10/01/08-09/30/09; \$199,999

**PI:** 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:** 09/25/08-08/31/10; \$372,714

**PI:** Richardson, Bruce  
**Co-I:** Mccune, William (Int Med-Rheumatology) / Qin, Zhaohui (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:** 10/01/08-09/30/10; \$200,000

**PI:** Rosenson, Robert  
**Title:** ISIS 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:** 10/01/08-09/30/09; \$114,306

**PI:** 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

**PI:** 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

**PI:** 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

**PI:** 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) / Greenson, Joel (Pathology Department) / Johnson, Timothy (Biostatistics Department) / Kwon, Richard (Int Med-Molecular Med&Genetics) / Meyer, Charles (Radiology Department) / Owyang, Chung (Int Med-Gastroenterology) / Piraka, Cyrus (Int Med-Gastroenterology) / Piyawattanametha, Wibool (Int Med-Gastroenterology) / Rehemtulla, Alnawaz (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

**PI:** 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

**PI:** Wicha, Max  
**Title:** TARGETING CYTOKINES IN BREAST CANCER STEM CELLS  
**Sponsor:** Breast Cancer Research Fdn  
**Project Dates and Amount of Award:** 10/01/08-09/30/09; \$200,000

**PI:** Young, Vincent  
**Title:** MICROBIAL ECOLOGY OF INFLAMMATORY BOWEL DISEASE  
**Sponsor:** NIH - Subcontracts TO Michigan State University  
**Project Dates and Amount of Award:** 09/29/08-09/28/09; \$136,072

**PI:** Young, Vincent  
**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:** 09/23/08-07/31/09; \$131,425

#### **Michigan Nanotechnology Institute for Medicine and Biological Sciences**

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**PI:** 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) / Orr, Bradford (LSA Physics) / Shi, Xiangyang (MI Nanotechnology Institute) / Shukla, Rameshwer (MI Nanotechnology Institute) / Thomas, Thommey (MI Nanotechnology Institute) / Van Der Spek, Abraham (Anesthesiology Department) / Ward, Brent (Oral Surgery Section)  
**Title:** PHASE II: BATTLEFIELD ANALGESICS WITH PHYSIOLOGICAL FEEDBACK CONTROL  
**Sponsor:** Defense, Department of-Defense Advanced Research Projects Agency  
**Project Dates and Amount of Award:** 07/01/08-03/31/10; \$2,898,377

#### **Microbiology and Immunology**

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**PI:** Swanson, Michele  
**Co-I:** Dubuisson, Eva (Microbiology and Immunology)  
**Title:** AUTOPHAGY AS A COMPONENT OF THE INNATE IMMUNE RESPONSE  
**Sponsor:** NIH 1 R56 AI 076300 01 A1  
**Project Dates and Amount of Award:** 09/23/08-08/31/09; \$2,627,747

#### **Molecular & Behavioral Neuroscience Institute**

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**PI:** 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

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PI: Clafin, Dennis

Title: ACUTE ADMINISTRATION OF CK2066654 AND CK2066260 IN AN IN-VITRO PERMEABILIZED MUSCLE FIBER ANALYSIS SYSTEM USING HUMAN TISSUE

Sponsor: Cytokinetics

Project Dates and Amount of Award: 09/05/08-09/04/09; \$59,957

PI: Omary, Bishr

Title: KERATIN BIOLOGY AND DISEASE ASPECTS IN SIMPLE EPITHELIA

Sponsor: NIH 7 R01 DK 047918 15

Project Dates and Amount of Award: 08/01/08-01/31/09; \$196,935

PI: Omary, Bishr

Title: PATHOGENESIS OF KERATIN-CONTAINING INCLUSIONS IN LIVER DISEASE

Sponsor: NIH 7 R01 DK 052951 12

Project Dates and Amount of Award: 07/01/08-06/30/12; \$1,377,187

PI: Schnell, Santiago

Title: UNRAVELING THE STRUCTURE AND KINETICS OF BIOCHEMICAL PATHWAYS FROM TIME-SERIES ANALYSIS

Sponsor: NSF

Project Dates and Amount of Award: 07/01/08-07/31/09; \$141,761

## Neurology

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PI: Minecan, Daniela

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)

Sponsor: Pfizer Incorporated TO INC Research, Inc

Project Dates and Amount of Award: 12/01/08-05/31/11; \$29,163

PI: Paulson, Henry

Title: RNAi FOR DOMINANT NEUROLOGICAL DISEASE

Sponsor: NIH - Subcontracts TO University of Iowa

Project Dates and Amount of Award: 12/01/07-11/30/08; \$184,742

PI: Segal, Benjamin

Co-I: Kim, Sinae (Biostatistics Department)

Title: ACE YEAR 6 - THE IL-12P40 FAMILY OF MONOKINES IN SECONDARY PROGRESSIVE MS

Sponsor: NIH - Subcontracts TO The Feinstein Institute for Medical Research

Project Dates and Amount of Award: 04/01/08-03/31/09; \$191,520

PI: Segal, Benjamin

Co-I: Kim, Sinae (Biostatistics Department)

Title: EFFECTS OF ANTI-IL-12 ON CYTOKINE, CHEMOKINE AND ADHESION PATHWAYS IN MULTIPLE SCLEROSIS (AMS)

Sponsor: NIH - Subcontracts TO The Feinstein Institute for Medical Research

Project Dates and Amount of Award: 04/01/08-03/31/09; \$305,944

## Obstetrics & Gynecology

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PI: Vahratian, Anjel

Co-I: Dalton, Vanessa (Obstetrics and Gynecology Dept) / Pitt, Bertram (Int Med-Cardiology)

Title: THE EFFECT OF AN ORAL CONTRACEPTIVE CONTAINING BOTH ESTROGEN AND PROGESTERONE ON ENDOTHELIAL FUNCTION AMONG PREMENOPAUSAL WOMEN WITH VISCERAL OBESITY

Sponsor: Bayer Corporation

Project Dates and Amount of Award: 11/12/08-11/11/09; \$85,028

## Ophthalmology & Visual Sciences

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PI: Delmonte, Monte

Title: LATANOPROST ACID PLASMA CONCENTRATIONS IN PEDIATRIC AND ADULT GLAUCOMA PATIENTS TREATED WITH LATANOPROST 0.005% (A PHASE I, OPEN-LABEL STUDY OF)

Sponsor: Pfizer Incorporated TO ICON Clinical Research, Inc.

Project Dates and Amount of Award: 10/03/08-12/31/09; \$13,303

PI: Delmonte, Monte

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)

Sponsor: Pfizer Incorporated TO ICON Clinical Research, Inc.

Project Dates and Amount of Award: 09/11/08-07/31/09; \$44,863

PI: Hughes, Bret

Title: ION CONDUCTANCES IN THE RETINAL PIGMENT EPITHELIUM

Sponsor: NIH 2 R01 EY 008850 18 A1

Project Dates and Amount of Award: 12/01/08-11/30/13; \$1,931,250

PI: Johnson, Mark

Title: PAZOPANIB EYE DROPS IN SUBJECTS WITH NEOVASCULAR RELATED MACULAR DEGENERATION (AN EXTENSION STUDY TO PROTOCOL MD7108240)

Sponsor: Glaxosmithkline

Project Dates and Amount of Award: 05/30/08-06/12/09; \$73,524

PI: Richards, Julia

Title: MOLECULAR GENETICS OF PRIMARY OPEN-ANGLE GLAUCOMA

Sponsor: NIH 2 R56 EY 011671 09 A1

Project Dates and Amount of Award: 07/01/08-06/30/09; \$369,058

## Otolaryngology

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PI: Altschuler, Richard

Title: HISTOLOGICAL SERVICE FOR MPI RESEARCH, INC., STUDIES 147-003, 1527-001, 1562-001, MPI-1631-001, MPI-813-014

Sponsor: MPI Research

Project Dates and Amount of Award: 10/01/08-09/30/10; \$145,127

PI: Lesperance, Marci

Co-I: Zwolan, Teresa (Pediatric Otolaryngology)

Title: SOUND SUPPORT PROGRAM

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: 10/01/08-09/30/09; \$282,899

## Pathology

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PI: Chinnaiyan, Arul

Title: SEARCHING FOR RECURRENT GENE FUSIONS AND TRANSLOCATIONS IN COMMON SOLID TUMORS

Sponsor: Duke, Doris, Charitable Fdn

Project Dates and Amount of Award: 01/01/09-12/31/13; \$1,500,000

PI: Chinnaiyan, Arul

Title: SEQUENCING OF SOLID TUMORS TO DISCOVER RECURRENT CHIMERIC TRANSCRIPTS IN PANCREATIC CANCER

Sponsor: Ludwig Institute for Cancer Research

Project Dates and Amount of Award: 07/01/08-06/30/09; \$250,000

PI: Hogaboam, Cory

Title: ROLE OF IL-33, SOLUBLE ST2, AND ST2L IN M2 MACROPHAGE ACTIVATION AND ASTHMA

Sponsor: Centocor, Inc.

Project Dates and Amount of Award: 10/22/08-10/21/09; \$244,170

PI: Hogaboam, Cory

Co-I: Moore, Bethany (Int Med-Pulm./Critical Care)

Title: UNIVERSITY OF MICHIGAN BIOLOGY SUPPORT FOR CENTOCOR'S CCL17 PROGRAM

Sponsor: Centocor, Inc.

Project Dates and Amount of Award: 10/07/08-04/30/12; \$2,520,608

PI: Kunkel, Steven

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

PI: Lnu, Sooryanarayana

Title: THE ROLE OF AVODART IN PRE-CLINICAL MODELS OF GENE FUSION POSITIVE PROSTATE CANCER

Sponsor: Glaxosmithkline

Project Dates and Amount of Award: 10/22/08-10/21/09; \$125,402

PI: Varani, James

Title: EFFECTS OF GADOLINIUM-CONTAINING MRI CONTRAST AGENTS ON HUMAN DERMAL FIBROBLASTS IN MONOLAYER CULTURE AND HUMAN SKIN IN ORGAN CULTURE

Sponsor: Michigan Technology and Research Institute

Project Dates and Amount of Award: 10/09/08-12/31/09; \$32,389

PI: Varani, James

Title: TOPICAL SKIN TREATMENT TO FACILITATE WOUND HEALING IN AN AGED POPULATION

Sponsor: NIH - Subcontracts TO Molecular Design International

Project Dates and Amount of Award: 07/25/08-07/24/09; \$33,000

PI: Ward, Peter

Title: PROTECTIVE EFFECTS OF KALLIKREIN INHIBITOR IN SEPSIS

Sponsor: NEXBIO Inc.

Project Dates and Amount of Award: 09/17/08-11/30/08; \$12,621

## Pediatrics & Communicable Diseases

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PI: Custer, Joseph

Title: SPIRITUAL NEEDS OF BEREAVED PARENTS

Sponsor: NIH - Subcontracts TO Wayne State University

Project Dates and Amount of Award: 06/25/08-05/31/09; \$5,751

**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:** Dawid, Suzanne  
**Title:** MECHANISMS OF INTRASPECIES COMPETITION IN STREPTOCOCCUS PNEUMONIAE  
**Sponsor:** NIH 7 K08 AI 071090 02  
**Project Dates and Amount of Award:** 07/01/08-11/30/10; \$343,638

**PI:** Dempsey, Peter  
**Title:** BETACELLULIN AND ERBB4 RECEPTOR SIGNALING AXIS IN ADULT BETA CELL SURVIVAL AND REGENERATION  
**Sponsor:** Juvenile Diabetes Research Foundation International (JDRF)  
**Project Dates and Amount of Award:** 09/01/08-08/31/10; \$494,713

**PI:** Ferrara, James  
**Title:** MECHANISM OF ACTION OF EXTRACORPOREAL PHOTOPHERESIS IN TREATING ACUTE GVHD  
**Sponsor:** Leukemia and Lymphoma Society  
**Project Dates and Amount of Award:** 10/01/08-09/30/11; \$200,000

**PI:** Freed, Gary  
**Co-I:** Clark, Sarah (Pediatrics-Ambulatory Care Pgm) / Davis, Matthew (Pediatrics-Ambulatory Care Pgm)  
**Title:** VACCINATION INFORMATION PROGRAM  
**Sponsor:** CDC-Subcontracts TO Association for Prevention Teaching and Research  
**Project Dates and Amount of Award:** 09/30/08-09/29/09; \$300,000

**PI:** Freed, Gary  
**Co-I:** Clark, Sarah (Pediatrics-Ambulatory Care Pgm)  
**Title:** PEDIATRIC AND MANAGED CARE ISSUES - MEDICAID  
**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:** 10/01/08-09/30/09; \$323,998

**PI:** Goldberg, Caren  
**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:** Innis, 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, Ram  
**Co-I:** Chen, 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:** ATHNDATA.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, Wan (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

**PI:** Sajjan, Umadevi  
**Co-I:** Curtis, Jeffrey (Int Med-Pulm./Critical Care) / Zick, Suzie (Department of Family Medicine)  
**Title:** QUERCETIN AND INNATE IMMUNE RESPONSES IN COPD  
**Sponsor:** NIH 1 R01 AT 004793 01  
**Project Dates and Amount of Award:** 09/30/08-06/30/12; \$1,447,681

## Pharmacology

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**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:** 09/20/08-08/31/09; \$77,250

**PI:** Sunahara, Roger  
**Title:** STRUCTURE AND DYNAMICS OF BETA 2 ANDRENOCEPTOR COUPLING TO G5  
**Sponsor:** NIH - Subcontracts TO Stanford University  
**Project Dates and Amount of Award:** 05/01/08-02/28/09; \$179,590

**PI:** Woods, James  
**Co-I:** Ko, Mei-Chuan (Pharmacology Department) / Lucchesi, Benedict (Pharmacology Department) / Lukacs, Nicholas (Pathology Department) / Sunahara, Roger (Pharmacology Department)  
**Title:** ACUTE COCAINE TOXICITY  
**Sponsor:** Reckitt Benckiser Pharmaceuticals, Inc.  
**Project Dates and Amount of Award:** 10/01/08-09/30/10; \$238,500

**PI:** Woods, James  
**Co-I:** Ko, Mei-Chuan (Pharmacology Department) / Lucchesi, Benedict (Pharmacology Department) / Sunahara, Roger (Pharmacology Department)  
**Title:** SELFADMINISTRATION OF OPIOIDS  
**Sponsor:** Reckitt Benckiser Pharmaceuticals, Inc. TO Columbia University  
**Project Dates and Amount of Award:** 07/28/08-07/27/10; \$668,800

## Physical Medicine & Rehabilitation

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**PI:** Chiodo, Anthony  
**Title:** XP19986 IN SUBJECTS WITH SPASTICITY DUE TO SPINAL CORD INJURY (MULTIPLE-DOSE EFFICACY AND SAFETY STUDY OF)  
**Sponsor:** Xenoport Inc.  
**Project Dates and Amount of Award:** 10/06/08-03/31/09; \$108,175

**PI:** Meade, Michelle  
**Title:** SELF-MANAGEMENT OF SPINAL CORD INJURY AND DISEASE  
**Sponsor:** Paralyzed Veterans of America (PVA)  
**Project Dates and Amount of Award:** 09/01/07-05/31/09; \$85,425

## Psychiatry

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**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

**PI:** Ewell Foster, Cynthia  
**Title:** MOTOR CITY MINDS: PROMOTING MENTAL HEALTH AWARENESS IN ELEMENTARY SCHOOLS  
**Sponsor:** Flinn, Ethel and James, Foundation  
**Project Dates and Amount of Award:** 11/01/08-10/31/09; \$50,000

**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:** 09/24/08-06/30/13; \$900,600

**PI:** Jibson, Michael  
**Title:** FORENSIC RESIDENCY TRAINING PROGRAM  
**Sponsor:** MI, State Of Community Health  
**Project Dates and Amount of Award:** 10/01/08-09/30/09; \$116,000

**PI:** King, Cheryl  
**Title:** TRANSFORMING 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:** Liberzon, Israel  
**Co-I:** Giardino, Nicholas (Psychiatry-ASAP) / King, Anthony (Psychiatry-ASAP) / Rauch, Sheila (Psych Vame)  
**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:** 09/22/08-10/21/12; \$999,975

**PI:** McInnis, Melvin  
**Co-I:** Langenecker, Scott (Psychiatry-Neuropsychology)  
**Title:** BIPOLAR DISORDER AND SCHIZOPHRENIA CONSORTIUM FOR PSYCHOSIS ENDOPHENOTYPES (B\_SCOPE)  
**Sponsor:** NIH - Subcontracts TO Wayne State University R01 MH 078113  
**Project Dates and Amount of Award:** 06/01/08-05/31/09; \$181,750

**PI:** Muzik, Maria  
**Title:** INFANT STRESS RESPONSE: EFFECTS OF MATERNAL PTSD AND INFANT GENES  
**Sponsor:** NIH 1 K23 MH 080147 01 A2  
**Project Dates and Amount of Award:** 09/22/08-06/30/12; \$717,163

### Radiation Oncology

**PI:** Cao, Yue  
**Co-I:** Chenevert, Thomas (Radiology Department) / Hussain, Hero (Radiology Department) / Lawrence, Theodore (Radiology Department) / Pan, Charlie (Radiation Oncology - Ann Arbor) / Ten Haken, Randall (Radiation Oncology - Ann Arbor)  
**Title:** PREDICTING RADIATION LIVER INJURY USING MRI PERFUSION  
**Sponsor:** NIH 1 R21 CA 126137 01 A2  
**Project Dates and Amount of Award:** 09/28/08-08/31/10; \$382,388

**PI:** Kessler, Marc  
**Title:** UM/VARIAN MASTER RESEARCH AND COLLABORATION AGREEMENT  
**Sponsor:** Varian Corporation  
**Project Dates and Amount of Award:** 08/01/08-07/31/11; \$825,000

**PI:** Pierce, Lori  
**Title:** A RANDOMIZED COMPARISON OF IMRT AND 3D RADIOTHERAPY IN NODE POSITIVE BREAST CANCER  
**Sponsor:** Breast Cancer Research Fdn  
**Project Dates and Amount of Award:** 10/01/08-09/30/09; \$250,000

**PI:** Zielske, Steven  
**Title:** INVESTIGATION OF MESENCHYMAL STEM CELLS FOR TREATMENT OF RADIATION THERAPY-INDUCED LUNG INJURY  
**Sponsor:** LCRF  
**Project Dates and Amount of Award:** 07/01/08-06/30/09; \$50,000

### Radiology

**PI:** Bohnen, Nicolaas  
**Title:** COGNITIVE-MOTOR AND NEUROMOBILITY ASSESSMENTS (VA CONTRACT)  
**Sponsor:** Veterans Affairs, Dept. of  
**Project Dates and Amount of Award:** 09/01/08-09/30/10; \$32,688

**PI:** Bohnen, Nicolaas  
**Title:** STRIATAL AND EXTRA-STRIATAL MECHANISMS OF FALLING IN PARKINSON'S DISEASE  
**Sponsor:** Veterans Affairs, Dept. of  
**Project Dates and Amount of Award:** 10/01/08-09/30/12; \$399,980

**PI:** Frey, Kirk  
**Co-I:** Burant, Charles (Metabolism, Endo & Diabetes) / Chang, Annette (Metabolism, Endo & Diabetes) / Koeppe, 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:** 08/01/07-07/31/09; \$146,904

**PI:** Kazerooni, 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; \$43,826

**PI:** 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

**PI:** 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 Department) / Meyer, Charles (Radiology Department) / Rehemtulla, 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 P50 CA 093990 07 A1  
**Project Dates and Amount of Award:** 09/22/08-03/31/13; \$9,776,390

**PI:** 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) / Froehlich, James (Internal Medicine Department) / Gemmete, Joseph (Radiology Department) / Henke, Peter (Vascular Surgery Section) / Imo, Jane (Radiology Department) / Krishnamurthy, Venkataramu (Radiology Department) / Mcevoy, Maria (Radiology Department) / Novelli, Paula (Radiology Department) / Rectenwald, John (Vascular Surgery Section) / Shields, James (Radiology Department) / Vellody, 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:** 06/09/08-03/31/09; \$1,500

### Surgery

**PI:** 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:** 09/22/08-08/31/10; \$382,388

**PI:** 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:** 08/01/08-07/31/09; \$65,389

**PI:** Bolling, Steven  
**Co-I:** Seymour, E (Cardiac Surgery Section)  
**Title:** THE EFFECT OF TART CHERRY INTAKE ON CARDIO-VASCULAR RISK  
**Sponsor:** Cherry Marketing Institute  
**Project Dates and Amount of Award:** 10/01/08-09/30/10; \$93,999

**PI:** Bolling, Steven  
**Co-I:** Seymour, E Mitchell (Cardiac Surgery Section)  
**Title:** IMPACT OF APPLE-ENRICHED DIET ON INDICES OF METABOLIC SYNDROME AND CARDIOVASCULAR DISEASE  
**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

**PI:** 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:** 10/01/08-09/30/09; \$69,956

**PI:** Cascalho, Marilia  
**Title:** A MUTABLE VACCINE FOR HIV  
**Sponsor:** Gates, Bill and Melinda, Foundation  
**Project Dates and Amount of Award:** 10/01/08-09/30/09; \$100,000

**PI:** 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

**PI:** 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

**PI:** Patel, Himanshu  
**Title:** EVALUATION OF THE GORE TAG THORACIC ENDOPROSTHESIS-45 MM FOR THE PRIMARY TREATMENT OF ANEURYSMS 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

**PI:** Platt, Jeffrey  
**Title:** XENOGENEIC NATURAL ANTIBODY TARGETS-STRUCTURE/ FUNCTION  
**Sponsor:** NIH 7 R37 HL 052297 16  
**Project Dates and Amount of Award:** 09/01/08-08/31/11; \$1,288,802

**PI:** Raghavendran, Krishnan  
**Title:** LUNG CONTUSION-MECHANISMS AND INTERACTION WITH ASPIRATION  
**Sponsor:** NIH 7 K08 GM 073826 04  
**Project Dates and Amount of Award:** 07/01/08-01/31/11; \$359,997

**PI:** Teitelbaum, Daniel  
**Title:** INTESTINAL FAILURE IN CHILD: A CONTEMPORARY RETROSPECTIVE REVIEW BY THE PEDIATRIC INTESTINAL FAILURE CONSORTIUM  
**Sponsor:** NIH - Subcontracts TO Children's Hospital of Pittsburgh  
**Project Dates and Amount of Award:** 06/15/08-05/31/09; \$5,537

**PI:** Wakefield, Thomas  
**Co-I:** Henke, Peter (Vascular Surgery Section) / Myers Jr, Daniel (Vascular Surgery Section)  
**Title:** NOVEL THERAPEUTIC TARGETS FOR VENOUS THROMBOEMBOLISM  
**Sponsor:** NIH 1 R01 HL 095091 01  
**Project Dates and Amount of Award:** 09/26/08-07/31/13; \$3,682,719

**PI:** Welling Iii, Theodore  
**Co-I:** Marrero, Jorge (Int Med-Gastroenterology)  
**Title:** SORANFENIB AS ADJUVANT TREATMENT FOR HEPATOCELLULAR CARCINOMA AFTER SURGICAL RESECTION OR LOCAL ABLATION (STORM) (PROT 12414: A PHASE III RANDOMIZED, DOUBLE-BLIND, PLACEBO-CONTROLLED STUDY OF)  
**Sponsor:** Bayer Corporation TO Covance, Inc.  
**Project Dates and Amount of Award:** 10/24/08-02/28/14; \$166,350

## Urology

**PI:** Keller, Evan  
**Title:** POST-DOCTORAL FELLOWSHIP FOCUSED ON RODENT MODELS OF INTERACTION BETWEEN CANCER AND BONE: CELL MIGRATION AND METASTASIS  
**Sponsor:** Pfizer Incorporated  
**Project Dates and Amount of Award:** 11/01/08-10/31/09; \$193,951

**PI:** McGuire, Edward  
**Co-I:** Morris, Carolyn (UMH Turner Core Prof)  
**Title:** URGE URINARY INCONTINENCE AND THE BRAIN FACTOR  
**Sponsor:** Pfizer Incorporated  
**Project Dates and Amount of Award:** 08/01/08-07/31/10; \$75,000

**PI:** Strobe, Seth  
**Title:** STROPE SWOG URO-ONCOLOGY FELLOWSHIP  
**Sponsor:** Sanofi TO Hope Foundation, The  
**Project Dates and Amount of Award:** 11/01/08-12/31/09; \$50,000

**PI:** Wood Jr, David  
**Title:** SELENIUM-9917  
**Sponsor:** NIH - Subcontracts TO Roswell Park Cancer Institute  
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## UMMS RESEARCH PUBLICATIONS

### Family Medicine

Aikens JE, Piette JD. Diabetes patients' medication underuse, illness outcomes, and beliefs about antihyperglycemic and antihypertensive treatments. *Diabetes Care*. 2008 Oct 13 (Epub ahead of print).

Bonow RO, Masoudi FA, Rumsfeld JS, Delong E, Mark Estes NA 3rd, Goff DC Jr, Grady K, Green LA, Loth AR, Peterson ED, Pina IL, Radford MJ, Shahian DM. ACC/AHA Classification of Care Metrics: Performance Measures and Quality Metrics: A Report of the American College of Cardiology/ American Heart Association Task Force on Performance Measures. *Circulation*. 2008 Nov 12 (Epub ahead of print).

Gask L, Klinkman M, Fortes S, Dowrick C. Capturing complexity: The case for a new classification system for mental disorders in primary care. *Eur Psychiatry*. 2008 Oct; 23(7): 469-76.

Reed BD, Cantor LE. Vulvodynia in preadolescent girls. *J Low Genit Tract Dis*. 2008 Oct; 12(4): 257-61.

Zick SM, Ruffin MT, Lee J, Normolle DP, Siden R, Alrawi S, Brenner DE. Phase II trial of encapsulated ginger as a treatment for chemotherapy-induced nausea and vomiting. *Support Care Cancer*. 2008 Nov 13 (Epub ahead of print).

### Human Genetics

Bennett EA, Keller H, Mills RE, Schmidt S, Moran JV, Weichenrieder O, Devine SE. Active Alu retrotransposons in the human genome. *Genome Res*. 2008 Oct 3 (Epub ahead of print).

Brewer GJ. The risks of free copper in the body and the development of useful anticopper drugs. *Curr Opin Clin Nutr Metab Care*. 2008 Nov; 11(6): 727-32.

Buis J, Wu Y, Deng Y, Leddon J, Westfield G, Eckersdorff M, Sekiguchi JM, Chang S, Ferguson DO. Mre11 nuclease activity has essential roles in DNA repair and genomic stability distinct from ATM activation. *Cell*. 2008 Oct 3; 135(1): 85-96.

Catterall WA, Dib-Hajj S, Meisler MH, Pietrobon D. Inherited neuronal ion channelopathies: new windows on complex neurological diseases. *J Neurosci*. 2008 Nov 12; 28(46): 11768-77.

Degiorgio M, Rosenberg NA. An Unbiased Estimator of Gene Diversity in Samples Containing Related Individuals. *Mol Biol Evol*. 2008 Nov 6 (Epub ahead of print).

Gorden NT, Arts HH, Parisi MA, Coene KL, Letteboer SJ, van Beersum SE, Mans DA, Hikida A, Eckert M, Knutzen D, Alswaid AF, Ozyurek H, Dibooglu S, Otto EA, Liu Y, Davis EE, Hutter CM, Bammler TK, Farin FM, Dorschner M, Topcu M, Zackai EH, Rosenthal P, Owens KN, Katsanis N, Vincent JB, Hildebrandt F, Rubel EW, Raible DW, Knoers NV, Chance PF, Roepman R, Moens CB, Glass IA, Doherty D. CC2D2A Is Mutated in Joubert Syndrome and Interacts with the Ciliopathy-Associated Basal Body Protein CEP290. *Am J Hum Genet*. 2008 Oct 22 (Epub ahead of print).

Greenon JK, Huang SC, Herron C, Moreno V, Bonner JD, Tomsho LP, Ben-Izhak O, Cohen HI, Trougouboff P, Bejhar J, Sova Y, Pinchev M, Rennert G, Gruber SB. Pathologic Predictors of Microsatellite Instability in Colorectal Cancer. *Am J Surg Pathol*. 2008 Sep 30 (Epub ahead of print).

Hou G, Abrams GD, Dick R, Brewer GJ. Efficacy of tetrathiomolybdate in a mouse model of multiple sclerosis. *Transl Res*. 2008 Nov; 152(5): 239-44.

Lo AC, Kleer CG, Banerjee M, Omar S, Khaled H, Eissa S, Hablas A, Douglass JA, Alford SH, Merajver SD, Soliman AS. Molecular epidemiologic features of inflammatory breast cancer: a comparison between Egyptian and US patients. *Breast Cancer Res Treat*. 2008 Nov; 112(1): 141-7.

Mastroiacovo F, Busceti CL, Biagioni F, Moyanova SG, Meisler MH, Battaglia G, Caricasole A, Bruno V, Nicoletti F. Induction of the Wnt antagonist, Dickkopf-1, contributes to the development of neuronal death in models of brain focal ischemia. *J Cereb Blood Flow Metab*. 2008 Oct 1 (Epub ahead of print).

Mukherjee B, Ahn J, Gruber SB, Rennert G, Moreno V, Chatterjee N. Tests for gene-environment interaction from case-control data: a novel study of type I error, power and designs. *Genet Epidemiol*. 2008 Nov; 32(7): 615-26.

O'Mahony OA, Steinkamp MP, Albertelli MA, Brogley M, Rehman H, Robins DM. Profiling human androgen receptor mutations reveals treatment effects in a mouse model of prostate cancer. *Mol Cancer Res*. 2008 Nov; 6(11): 1691-701.

Toland AE, Rozek LS, Presswala S, Rennert G, Gruber SB. PTPRJ Haplotypes and Colorectal Cancer Risk. *Cancer Epidemiol Biomarkers Prev*. 2008 Oct; 17(10): 2782-5.

Wolf MT, Hoskins BE, Beck BB, Hoppe B, Tasic V, Otto EA, Hildebrandt F. Mutation analysis of the Uromodulin gene in 96 individuals with urinary tract anomalies (CAKUT). *Pediatr Nephrol*. 2008 Oct 10 (Epub ahead of print).

### Internal Medicine

#### Infectious Diseases:

Baddley JW, Perfect JR, Oster RA, Larsen RA, Pankey GA, Henderson H, Haas DW, Kauffman CA, Patel R, Zaas AK, Pappas PG. Pulmonary cryptococcosis in patients without HIV infection: factors associated with disseminated disease. *Eur J Clin Microbiol Infect Dis*. 2008; 27(10): 937-943.

Bradley SF. A New Feature: National Healthcare Safety Network Annual Data (editorial). *Infect Contr Hosp Epidemiol*. 2008; 29(11): 995-995.

Chung J, Serezani CH, Huang SK, Stern JNH, Keskin DB, Jagirdar R, Brock TG, Aronoff DM, Peters-Golden M. Rap1 activation is required for Fc gamma receptor-dependent phagocytosis. *J Immunol*. 2008; 181(8): 5501-5509.

Contreras-Galindo R, Kaplan MH, Leissner P, Verjat T, Ferlenghi I, Bagnoli F, Giusti F, Dosik MH, Hayes DF, Gitlin SD, Markovitz DM. Human endogenous retrovirus K (HML-2) elements in the plasma of people with lymphoma and breast cancer. *J Virol*. 2008; 82(19): 9329-9336.

Gandhi T, Wu AH, Aronoff DM. Severe transient cardiomyopathy associated with community-acquired pneumonia caused by *Streptococcus pneumoniae*. *Heart Lung*. 2008; 37(5): 394-397.

Kaul DR, Collins CD, Hyzy RC. New developments in antimicrobial use in sepsis. *Curr Pharm Design*. 2008; 14(19): 1912-1920.

Malani PN. Debility and the risk for surgical site infection: Defining the next steps. *Infect Contr Hosp Epidemiol*. 2008; 29(9): 840-841.

Rogers MAM, Mody L, Chenoweth C, Kaufman SR, Saint S. Incidence of antibiotic-resistant infection in long-term residents of skilled nursing facilities. *Am J Infect Contr*. 2008; 36(7): 472-475.

Schaefer MR, Wonderlich ER, Roeth JE, Leonard JA, Collins KL. HIV-1 Nef targets MHC-I and CD4 for degradation via a final common beta-COP-dependent pathway in T cells - art. no. e1000131. *PLoS Path*. 2008; 4(8): 131-131.

Smith PW, Bennett G, Bradley S, Drinka P, Lautenbach E, Marx J, Mody L, Nicolle L, Stevenson K. SHEA/APIC guideline: Infection prevention and control in the long-term care facility. *Infect Contr Hosp Epidemiol*. 2008; 29(9): 785-814.

Smith PW, Bennett G, Bradley S, Drinka P, Lautenbach E, Marx J, Mody L, Nicolle L, Stevenson K. SHEA/APIC guideline: Infection prevention and control in the long-term care facility. *Am J Infect Contr*. 2008; 36(7): 504-535.

## Microbiology and Immunology

Anzai Y, Li S, Chaulagain MR, Kinoshita K, Kato F, Montgomery J, Sherman DH. Functional Analysis of MycC1 and MycG, Cytochrome P450 Enzymes Involved in Biosynthesis of Mycinamicin Macrolide Antibiotics. *Chem Biol*. 2008 Sep 22; 15(9): 950-9.

Chuang CY, Chang CH, Huang YL. Thioredoxin Mediates Remodeling Factors of Human Bronchial Epithelial Cells upon Interaction with House Dust Mite-Stimulated Eosinophils. *Inhal Toxicol*. 2008 Sep 18; 1 (Epub ahead of print).

Cooper S. On the fiftieth anniversary of the Schaechter, Maaløe, Kjeldgaard experiments: Implications for cell-cycle and cell-growth control. *Bioessays*. 2008 Oct; 30(10): 1019-24.

Ding Y, Greshock TJ, Miller KA, Sherman DH, Williams RM. Premalbranchamide: Synthesis, Isotopic Labeling, Biosynthetic Incorporation, and Detection in Cultures of *Malbranchea aurantiaca*. *Org Lett*. 2008 Oct 10 (Epub ahead of print).

Elliott KT, Zhulin IB, Stuckey JA, Dirita VJ. Conserved residues in the HAMP domain define a new family of proposed bipartite energy taxis receptors. *J Bacteriol*. 2008 Oct 24 (Epub ahead of print).

Huffnagle G, Noverr MC. GI microbiota and regulation of the immune system. Preface. *Adv Exp Med Biol*. 2008; 635: v-vi.

Hur YA, Choi SS, Sherman DH, Kim ES. Identification of TmcN as a pathway-specific positive regulator of tautomycin biosynthesis in *Streptomyces* sp. CK4412. *Microbiology*. 2008 Oct; 154(Pt 10): 2912-9.

Hutchens MA, Luker KE, Sonstein J, Núñez G, Curtis JL, Luker GD. Protective effect of Toll-like receptor 4 in pulmonary vaccinia infection. *PLoS Pathog*. 2008 Sep 19; 4(9): e1000153.

King PD, Veal TD, Payne DJ, Bourlange A, Egdell RG, McConville CF. Surface electron accumulation and the charge neutrality level in In<sub>2</sub>O<sub>3</sub>. *Phys Rev Lett*. 2008 Sep 12; 101(11): 116808.

Kushwaha SS, Raichlin E, Sheinin Y, Kremers WK, Chandrasekaran K, Brunn GJ, Platt JL. Sirolimus affects cardiomyocytes to reduce left ventricular mass in heart transplant recipients. *Eur Heart J*. 2008 Sep 11 (Epub ahead of print).

Mason KL, Huffnagle GB, Noverr MC, Kao JY. Overview of gut immunology. *Adv Exp Med Biol*. 2008; 635: 1-14.

Ogle BM, Knudsen BE, Nishitai R, Ogata K, Platt JL. Toward Development and Production of Human T Cells in Swine for Potential Use in Adoptive T Cell Immunotherapy. *Tissue Eng Part A*. 2008 Sep 30 (Epub ahead of print).

O'Riordan MX, Bauler LD, Scott FL, Duckett CS. Inhibitor of apoptosis proteins in eukaryotic evolution and development: a model of thematic conservation. *Dev Cell*. 2008 Oct; 15(4): 497-508.

Pfleger BF, Kim Y, Nusca TD, Maltseva N, Lee JY, Rath CM, Scaglione JB, Janes BK, Anderson EC, Bergman NH, Hanna PC, Joachimiak A, Sherman DH. Structural and functional analysis of AsbF: origin of the stealth 3,4-dihydroxybenzoic acid subunit for petrobactin biosynthesis. *Proc Natl Acad Sci USA*. 2008 Nov 4; 105(44): 17133-8.

Pichler A, Prior JL, Luker GD, Piwnicka-Worms D. Generation of a highly inducible Gal4->Fluc universal reporter mouse for in vivo bioluminescence imaging. *Proc Natl Acad Sci USA*. 2008 Oct 8 (Epub ahead of print).

Shreiner A, Huffnagle GB, Noverr MC. The "Microflora Hypothesis" of allergic disease. *Adv Exp Med Biol*. 2008; 635: 113-34.

Young VB, Schmidt TM. Overview of the gastrointestinal microbiota. *Adv Exp Med Biol*. 2008; 635: 29-40.

## Neurosurgery

Ansari SA, Thompson BG, Gemmete JJ, Gandhi D. Endovascular treatment of distal cervical and intracranial dissections with the Neuroform stent. *Neurosurgery*. 2008 Sep 15 (Epub ahead of print).

Bar EE, Chaudhry A, Lin A, Fan X, Schreck K, Matsui W, Piccirillo S, Vescovi AL, DiMeco F, Olivi A, Eberhart CG. Cyclopamine-mediated hedgehog pathway inhibition depletes stem-like cancer cells in glioblastoma. *Stem Cells*. 2007 Oct; 25(10): 2524-33.

Bihari S, Rajjeev V. Prolonged retention of awareness during cardiopulmonary resuscitation for asystolic cardiac arrest. *Neurocrit Care*. 2008; 9(3): 382-6.

Brown DL, Hoffman SN, Jacobs TL, Gruis KL, Johnson SL, Chernew ME. CT angiography is cost-effective for confirmation of internal carotid artery occlusions. *J Neuroimaging*. 2008 Oct; 18(4): 355-9.

Cannon JR, Hua Y, Richardson RJ, Xi G, Keep RF, Schallert T. The effect of thrombin on a 6-hydroxydopamine model of Parkinson's disease depends on timing. *Behav Brain Res*. 2007 Nov 2; 183(2): 161-8.

Cannon JR, Xi G, Keep RF. Recent research on changes in genomic regulation and protein expression in intracerebral haemorrhage. *Int J Stroke*. 2007 Nov; 2(4): 265-9.

Cowan JA Jr, McGillicuddy JE. Images in clinical medicine. Reversal of traumatic quadriplegia after closed reduction. *N Engl J Med*. 2008 Nov 13; 359(20): 2154.

Ennis SR, Keep RF. Effect of sustained-mild and transient-severe hyperglycemia on ischemia-induced blood-brain barrier opening. *J Cereb Blood Flow Metab*. 2007 Sep; 27(9): 1573-82.

Fan X, Eberhart CG. Medulloblastoma stem cells. *J Clin Oncol*. 2008 Jun 10; 26(17): 2821-7. Review.

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<sup>+</sup> under conditions of hypo-osmolarity. *J Pharmacol Exp Ther*. 2008 May; 325(2): 457-65.

Gandhi D, Ansari SA, Thompson BG, Maher C. Transvenous embolization of a high-flow, posttraumatic fistula between the posterior communicating artery and retroclival venous plexus. *J Neurosurg*. 2008 Oct 10 (Epub ahead of print).

He Y, Wan S, Hua Y, Keep RF, Xi G. Autophagy after experimental intracerebral hemorrhage. *J Cereb Blood Flow Metab*. 2008 May; 28(5): 897-905.

Hu Y, Shen H, Keep RF, Smith DE. Peptide transporter 2 (PEPT2) expression in brain protects against 5-aminolevulinic acid neurotoxicity. *J Neurochem*. 2007 Dec; 103(5): 2058-65.

Hua Y, Keep RF, Hoff JT, Xi G. Brain injury after intracerebral hemorrhage: the role of thrombin and iron. *Stroke*. 2007 Feb; 38(2 Suppl): 759-62. Review.

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.

La Marca F, Brumblay H, Smith-Petersen osteotomy in thoracolumbar deformity surgery. *Neurosurgery*. 2008 Sep; 63(3 Suppl): 163-70.

La Marca F, Zubay G, Morrison T, Karahalios D. Cadaveric study for placement of occipital condyle screws: technique and effects on surrounding anatomic structures. *J Neurosurg Spine*. 2008 Oct; 9(4): 347-53.

Lee JY, Huang DL, Keep R, Sagher O. Characterization of an improved double hemorrhage rat model for the study of delayed cerebral vasospasm. *J Neurosci Methods*. 2008 Mar 15; 168(2): 358-66.

Li T, Wen H, Brayton C, Das P, Smithson LA, Fauq A, Fan X, Crain BJ, Price DL, Golde TE, Eberhart CG, Wong PC. Epidermal growth factor receptor and notch pathways participate in the tumor suppressor function of gamma-secretase. *J Biol Chem*. 2007 Nov 2; 282(44): 32264-73.

Li Y, Fan X, Goodwin CR, Laterra J, Xia S. Hepatocyte growth factor enhances death receptor-induced apoptosis by up-regulating DR5. *BMC Cancer*. 2008 Nov 7; 8(1): 325.

Nakamura T, Kuroda Y, Yamashita S, Zhang X, Miyamoto O, Tamiya T, Nagao S, Xi G, Keep RF, Itano T. Edaravone attenuates brain edema and neurologic deficits in a rat model of acute intracerebral hemorrhage. *Stroke*. 2008 Feb; 39(2): 463-9.

Nakamura T, Miyamoto O, Toyoshima T, Hirooka K, Kawai N, Shiraga F, Tamiya T, Xi G, Keep RF, Itano T. 3CB2, a marker of radial glia, expression after experimental intracerebral hemorrhage: role of thrombin. *Brain Res*. 2008 Aug 21; 1226: 156-62.

Pandey AS, Koebe CJ, Liebman K, Rosenwasser RH, Veznedaroglu E. Low incidence of symptomatic strokes after carotid stenting without embolization protection devices for extracranial carotid stenosis: a single-institution retrospective review. *Neurosurgery*. 2008 Nov; 63(5): 867-72; discussion 872-3.

Qin Z, Karabiyikoglu M, Hua Y, Silbergleit R, He Y, Keep RF, Xi G. Hyperbaric oxygen-induced attenuation of hemorrhagic transformation after experimental focal transient cerebral ischemia. *Stroke*. 2007 Apr; 38(4): 1362-7.

Reddy SJ, La Marca F, Park P. The role of heat shock proteins in spinal cord injury. *Neurosurg Focus*. 2008; 25(5): E4.

Shen H, Ocheltree SM, Hu Y, Keep RF, Smith DE. Impact of genetic knockout of PEPT2 on cefadroxil pharmacokinetics, renal tubular reabsorption, and brain penetration in mice. *Drug Metab Dispos*. 2007 Jul; 35(7): 1209-16.

Song S, Hua Y, Keep RF, Hoff JT, Xi G. A new hippocampal model for examining intracerebral hemorrhage-related neuronal death: effects of deferoxamine on hemoglobin-induced neuronal death. *Stroke*. 2007 Oct; 38(10): 2861-3.

Than KD, Wang AC, Etame AB, La Marca F, Park P. Postoperative management of incidental durotomy in minimally invasive lumbar spinal surgery. *Minim Invasive Neurosurg.* 2008 Oct; 51(5): 263-6.

Yang S, Song S, Hua Y, Nakamura T, Keep RF, Xi G. Effects of thrombin on neurogenesis after intracerebral hemorrhage. *Stroke.* 2008 Jul; 39(7): 2079-84.

Yeo DT, Meyer CR, Parent JM, Minecan DN, Sagher O, Kluin KJ, Kim B. Formulation of current density weighted indices for correspondence between functional MRI and electrocortical stimulation maps. *Clin Neurophysiol.* 2008 Oct 14 (Epub ahead of print).

### **Obstetrics & Gynecology**

Bailey JM, Crane P, Nugent C. Childbirth education and birth plans. *Obstet Gynecol Clin N Am* 2008; 35: 497-509.

Harris LH. Second Trimester Abortion Provision: Breaking the Silence and Changing the Discourse. *Reproductive Health Matters.* 2008; 16(31 Supplement): 74-81.

Reame NE, Lukacs JL, Padmanabhan V, Eyvazzadeh AD, Smith YR, Zubieta J. Black cohosh has central opioid activity in postmenopausal women: Evidence from naloxone blockade and positron emission tomography neuroimaging. *Menopause* 2008; 15(5): 832-40.

Rhode JM, Patel DA, Sen A, Schimp VL, Johnston CM, Liu JR. Perception and use of complementary and alternative medicine among gynecologic oncology care providers. *Inter J Gynecol Obstet* 2008; 103(2): 111-5.

Vahratian A. Utilization of fertility-related services in the United States. *Fertil Steril* 2008; 90(4): 1317-1319.

### **Ophthalmology & Visual Sciences**

Beaudoin DL, Manookin MB, Demb J. Distinct expressions of contrast gain control in parallel synaptic pathways converging on a retinal ganglion cell. *J Physiol.* 2008 (Epub ahead of print).

Lichter PR. Continuing medical education, physicians, and Pavlov: can we change what happens when industry rings the bell? *Arch Ophthalmol.* 2008; 126(11): 1593-7.

Musch DC, Gillespie BW, Lichter PR, Niziol LM, Janz NK. Visual Field Progression in the Collaborative Initial Glaucoma Treatment Study The Impact of Treatment and Other Baseline Factors. *Ophthalmology.* 2008 (Epub ahead of print).

Patel SV, Malta JB, Banitt MR, Mian SI, Sugar A, Elnor VM, Farjo QA, Tester RA, Soong HK. Recurrent ectasia in corneal grafts and outcomes of repeat keratoplasty for keratoconus. *Br J Ophthalmol.* 2008 (Epub ahead of print).

Romero IL, Paiato TP, Silva CB, Nigro JB, Malta S, Jenne Mimica LM, Soong HK, Hida RY. Different application volumes of ethyl-cyanoacrylate tissue adhesive can change its antibacterial effects against ocular pathogens in vitro. *Curr Eye Res* 2008; 33(10): 813-8.

Soong HK, Malta JB. Femtosecond Lasers in Ophthalmology. *Am J Ophthalmol.* 2008 (Epub ahead of print).

### **Otolaryngology**

Geisser ME, Glass JM, Rajcevska LD, Clauw DJ, Williams DA, Kileny PR, Gracely RH. A psychophysical study of auditory and pressure sensitivity in patients with fibromyalgia and healthy controls. *J Pain.* 2008 May; 9(5): 417-22.

Henkin Y, Kileny PR, Hildesheimer M, Kishon-Rabin L. Phonetic processing in children with cochlear implants: an auditory event-related potentials study. *Ear Hear.* 2008 Apr; 29(2): 239-49.

Kim AH, Kileny PR, Arts HA, El-Kashlan HK, Telian SA, Zwolan TA. Role of electrically evoked auditory brainstem response in cochlear implantation of children with inner ear malformations. *Otol Neurotol.* 2008 Aug; 29(5): 626-34.

### **Pathology**

Albertus DL, Seder CW, Chen G, Wang X, Hartojo W, Lin L, Silvers A, Thomas DG, Giordano TJ, Chang AC, Orringer MB, Bigbee WL, Chinnaiyan AM, Beer DG. AZGP1 autoantibody predicts survival and histone deacetylase inhibitors increase expression in lung adenocarcinoma. *J Thorac Oncol.* 2008 Nov; 3(11): 1236-44.

Anaya-Prado R, Pérez-Gomez N, Toledo-Pereyra LH, Walsh J, Jordan J, Ward PA. Small molecule selectin inhibitor in global cerebral ischemia and controlled hemorrhagic shock. *J Trauma.* 2008 Sep; 65(3): 678-84.

Anaya-Prado R, Toledo-Pereyra LH, Guo RF, Reuben J, Ward PA. Exogenous nitric oxide donor in the liver inflammatory and hemodynamic response after hemorrhagic shock. *Cir Cir.* 2008 Jul-Aug; 76(4): 285-91.

Bang JY, Song CE, Kim C, Park WD, Cho KR, Kim PI, Lee SR, Chung WT, Choi KC. Cyto-toxicity of amphotericin B-incorporated polymeric micelles composed of poly(DL-lactide-co-glycolide)/dextran graft copolymer. *Arch Pharm Res.* 2008 Nov; 31(11): 1463-9.

Barlaskar FM, Spalding AC, Heaton JH, Kuick R, Kim AC, Thomas DG, Giordano TJ, Ben-Josef E, Hammer GD. Preclinical Targeting of the Type 1 Insulin-like Growth Factor Receptor in Adrenocortical Carcinoma. *J Clin Endocrinol Metab.* 2008 Oct 14 (Epub ahead of print).

Buis J, Wu Y, Deng Y, Leddon J, Westfield G, Eckersdorff M, Sekiguchi JM, Chang S, Ferguson DO. Mre11 Nuclease Activity Has Essential Roles in DNA Repair and Genomic Stability Distinct from ATM Activation. *Cell* 2008; 135: 85-96.

Cavassani KA, Ishii M, Wen H, Schaller MA, Lincoln PM, Lukacs NW, Hogaboam CM, Kunkel SL. TLR3 is an endogenous sensor of tissue necrosis during acute inflammatory events. *J Exp Med.* 2008 Oct 6 (Epub ahead of print).

Cho KR, Shih IM. Ovarian Cancer. *Annu Rev Pathol.* 2008 Oct 8 (Epub ahead of print).

Ding Y, Choi H, Nesvizhskii AI. Adaptive Discriminant Function Analysis and Reranking of MS/MS Database Search Results for Improved Peptide Identification in Shotgun Proteomics. *J Proteome Res.* 2008 Sep 13 (Epub ahead of print).

Flierl MA, Rittirsch D, Chen AJ, Nadeau BA, Day DE, Sarma JV, Huber-Lang MS, Ward PA. The complement anaphylatoxin C5a induces apoptosis in adrenomedullary cells during experimental sepsis. *PLoS ONE.* 2008 Jul 2; 3(7): e2560.

Flierl MA, Rittirsch D, Gao H, Hoesel LM, Nadeau BA, Day DE, Zetoune FS, Sarma JV, Huber-Lang MS, Ferrara JL, Ward PA. Adverse functions of IL-17A in experimental sepsis. *FASEB J.* 2008 Jul; 22(7): 2198-205.

Flierl MA, Rittirsch D, Nadeau BA, Day DE, Zetoune FS, Sarma JV, Huber-Lang MS, Ward PA. Functions of the complement components C3 and C5 during sepsis. *FASEB J.* 2008 Oct; 22(10): 3483-90.

Galban S, Hwang C, Rumble JM, Oetjen KA, Wright CW, Boudreaux A, Durkin J, Gillard JW, Jaquith JB, Morris SJ, Duckett CS. Cytoprotective effects of IAPs revealed by a small molecule antagonist. *Biochem J.* 2008 Oct 14 (Epub ahead of print).

Jeyanathan M, Mu J, Kugathasan K, Zhang X, Damjanovic D, Small C, Divangahi M, Petrof BJ, Hogaboam CM, Xing Z. Airway delivery of soluble mycobacterial antigens restores protective mucosal immunity by single intramuscular plasmid DNA tuberculosis vaccination: role of proinflammatory signals in the lung. *J Immunol.* 2008 Oct 15; 181(8): 5618-26.

Jordan CL, Lieberman AP. Spinal and bulbar muscular atrophy: a motoneuron or muscle disease? *Curr Opin Pharmacol.* 2008 Sep 18 (Epub ahead of print).

Joshi AD, Schaller MA, Lukacs NW, Kunkel SL, Hogaboam CM. TLR3 modulates immunopathology during a *Schistosoma mansoni* egg-driven Th2 response in the lung. *Eur J Immunol.* 2008 Nov 13; 38(12): 3436-49.

Kawasaki A, Karasudani Y, Otsuka Y, Hasegawa M, Inohara N, Fujimoto Y, Fukase K. Synthesis of Diaminopimelic Acid Containing Peptidoglycan Fragments and Tracheal Cytotoxin (TCT) and Investigation of Their Biological Functions. *Chemistry.* 2008 Oct 1 (Epub ahead of print).

Lu J, Bai L, Sun H, Nikolovska-Coleska Z, McEachern D, Qiu S, Miller RS, Yi H, Shangary S, Sun Y, Meagher JL, Stuckey JA, Wang S. SM-164: a novel, bivalent Smac mimetic that induces apoptosis and tumor regression by concurrent removal of the blockade of cIAP-1/2 and XIAP. *Cancer Res.* 2008 Nov 15; 68(22): 9384-93.

Morishima Y, Wang AM, Yu Z, Pratt WB, Osawa Y, Lieberman AP. CHIP deletion reveals functional redundancy of E3 ligases in promoting degradation of both signaling proteins and expanded glutamine proteins. *Hum Mol Genet.* 2008 Sep 10 (Epub ahead of print).

O'Riordan MX, Bauler LD, Scott FL, Duckett CS. Inhibitor of apoptosis proteins in eukaryotic evolution and development: a model of thematic conservation. *Dev Cell.* 2008 Oct; 15(4): 497-508.

Pacheco CD, Lieberman AP. The pathogenesis of Niemann-Pick type C disease: a role for autophagy? *Expert Rev Mol Med.* 2008 Sep 10; 10: e26. Review.

Palmos PL, Wu D, Daley JM, Wilson TE. Recruitment of *Saccharomyces cerevisiae* Dnl4-Lif1 Complex to a Double-strand Break Requires Interactions with Yku80 and the Xrs2 FHA Domain. *Genetics.* 2008 Oct 1 (Epub ahead of print).

Pu RT, Giordano TJ, Michael CW. Utility of cytology microarray constructed from effusion cell blocks for immunomarker validation. *Cancer.* 2008 Sep 16; 114(5): 300-306.

Ramaprakash H, Ito T, Standiford TJ, Kunkel SL, Hogaboam CM. TLR9 modulates immune responses to *Aspergillus fumigatus* conidia in immunodeficient and allergic mice. *Infect Immun.* 2008 Oct 20 (Epub ahead of print).

Rittirsch D, Flierl MA, Ward PA. Harmful molecular mechanisms in sepsis. *Nat Rev Immunol.* 2008 Oct; 8(10): 776-87.

Rumble JM, Bertrand MJ, Csomos RA, Wright CW, Albert L, Mak TW, Barker PA, Duckett CS. Apoptotic sensitivity of murine IAP-deficient cells. *Biochem J* 2008 Oct 1; 415(1): 21-5.

Rumble JM, Duckett CS. Diverse functions within the IAP family. *J Cell Sci* 2008 Nov 1; 121(Pt 21): 3505-7.

Sun H, Nikolovska-Coleska Z, Yang CY, Qian D, Lu J, Qiu S, Bai L, Peng Y, Cai Q, Wang S. Design of small-molecule peptidic and nonpeptidic Smac mimetics. *Acc Chem Res* 2008 Oct; 41(10): 1264-77.

Sun H, Stuckey JA, Nikolovska-Coleska Z, Qin D, Meagher JL, Qiu S, Lu J, Yang CY, Saito NG, Wang S. Structure-Based Design, Synthesis, Evaluation, and Crystallographic Studies of Conformationally Constrained Smac Mimetics as Inhibitors of the X-linked Inhibitor of Apoptosis Protein (XIAP). *J Med Chem* 2008 Oct 28 (Epub ahead of print).

Ward PA. The First Fifty Years in Research. *Annu Rev Pathol* 2008 Aug 14 (Epub ahead of print).

Ward PA. On being a pathologist. *Hum Pathol* 2008 Jul 24 (Epub ahead of print).

Ward PA. Sepsis, apoptosis and complement. *Biochem Pharmacol* 2008 Sep 20 (Epub ahead of print).

Zhang B, Nikolovska-Coleska Z, Zhang Y, Bai L, Qiu S, Yang CY, Sun H, Wang S, Wu Y. Design, Synthesis, and Evaluation of Tricyclic, Conformationally Constrained Small-Molecule Mimetics of Second Mitochondria-Derived Activator of Caspases. *J Med Chem* 2008 Nov 14 (Epub ahead of print).

### Pediatrics & Communicable Diseases

Bentley JK, Deng H, Linn MJ, Lei J, Dokshin GA, Fingar DC, Bitar KN, Henderson Jr WR, Hershenson MB. Airway Smooth Muscle Hyperplasia and Hypertrophy Correlate With Glycogen Synthase Kinase-3{beta} Phosphorylation in a Mouse Model of Asthma. *Am J Physiol Lung Cell Mol Physiol* 2008 Nov 14 (Epub ahead of print).

Chiu LL, Iyer RK, King JP, Radisic M. Biphasic Electrical Field Stimulation Aids in Tissue Engineering of Multicell-Type Cardiac Organoids. *Tissue Eng Part A* 2008 Sep 10 (Epub ahead of print).

Cotts TB, Goldberg CS, Palma Davis LM, Durussel-Weston JE, Aaronson SM, Lin K, Eagle KA. A school-based health education program can improve cholesterol values for middle school students. *Pediatr Cardiol* 2008 Sep; 29(5): 940-5.

Davis MM, McGonagle K, Schoeni RF, Stafford F. Grandparental and Parental Obesity Influences on Childhood Overweight: Implications for Primary Care Practice. *J Am Board Fam Med* 2008 Nov-Dec; 21(6): 549-54.

Deep A, Bhure SU, Bhure UN, Joshi SM, Bhatt BM, Desai SA, Karayil S, Deshpande SD. Efficacy of 99mTc-DTPA Lung Clearance Test in the Diagnosis of PCP in HIV-Positive Patients. *J Trop Pediatr* 2008 Sep 9 (Epub ahead of print).

Dempsey AF. Human papillomavirus: the usefulness of risk factors in determining who should get vaccinated. *Rev Obstet Gynecol* 2008 Summer; 1(3): 122-8.

Dempsey AF, Zimet GD. Human papillomavirus vaccine and adolescents. *Curr Opin Obstet Gynecol* 2008 Oct; 20(5): 447-54.

Dombkowski KJ, Leung SW, Clark SJ. Physician perspectives regarding annual influenza vaccination among children with asthma. *Ambul Pediatr* 2008 Sep-Oct; 8(5): 294-9.

Dowling J. Deep brain stimulation: current and emerging indications. *Mo Med* 2008 Sep-Oct; 105(5): 424-8.

Dziuban EJ, Teitelbaum DH, Bakhtyar A, Kandlikar J, McLean S, Yarram S, Russell MW, Ohye RG, Sanchez R. Mesenteric pseudoaneurysm and cerebral stroke as sequelae of infective endocarditis in an adolescent. *J Pediatr Surg* 2008 Oct; 43(10): 1923-7.

Feng C, Dupont AL, Nahm NJ, Spratt DE, Hazzard JT, Weinberg JB, Guillemette JG, Tollin G, Ghosh DK. Intraprotein electron transfer in inducible nitric oxide synthase holoenzyme. *J Biol Inorg Chem* 2008 Oct 2 (Epub ahead of print).

Gorden NT, Arts HH, Parisi MA, Coene KL, Letteboer Sj, van Beersum SE, Mans DA, Hikida A, Eckert M, Knutzen D, Alsward AF, Ozyurek H, Dibooglu S, Otto EA, Liu Y, Davis EE, Hutter CM, Bammler TK, Farin FM, Dorschner M, Topcu M, Zackai EH, Rosenthal P, Owens KN, Katsanis N, Vincent JB, Hildebrandt F, Rubel EW, Raible DW, Knoers NV, Chance PF, Roepman R, Moens CB, Glass IA, Doherty D. CC2D2A is Mutated in Joubert Syndrome and Interacts with the Ciliopathy-Associated Basal Body Protein CEP290. *Am J Hum Genet* 2008 Oct 22 (Epub ahead of print).

Guerrero-Bosagna CM, Sabat P, Valdovinos FS, Valladares LE, Clark SJ. Epigenetic and phenotypic changes result from a continuous pre and post natal dietary exposure to phytoestrogens in an experimental population of mice. *BMC Physiol* 2008 Sep 15; 8: 17.

Hanauer DA, Zheng K. Detecting Workflow Changes After a CPOE Implementation: A Sequential Pattern Analysis Approach. *AMIA Annu Symp Proc* 2008 Nov; 6: 963.

Handal AJ, Harlow SD, Breilh J, Lozoff B. Occupational Exposure to Pesticides During Pregnancy and Neurobehavioral Development of Infants and Toddlers. *Epidemiology* 2008 Sep 20 (Epub ahead of print).

Hinkovska-Galcheva V, VanWay SM, Shanley TP, Kunzel RG. The Role of Sphingosine-1-Phosphate and Ceramide-1-Phosphate in Calcium Homeostasis. *Curr Opin Investig Drugs* 2008 Nov; 9(11): 1192-205.

Huse M, Quann EJ, Davis MM. Shouts, whispers and the kiss of death: directional secretion in T cells. *Nat Immunol* 2008 Oct; 9(10): 1105-11.

Keating DP, Halpern-Felsher BL. Adolescent drivers: a developmental perspective on risk, proficiency, and safety. *Am J Prev Med* 2008 Sep; 35(3 Suppl): S272-7.

Laroche HH, Heisler M, Forman J, Anderson M, Davis MM. When adults with diabetes attempt to drink less soda: resulting adult-child interactions and household changes. *J Natl Med Assoc* 2008 Sep; 100(9): 1004-11.

LiPuma JJ, Makidon PE, Foster BK, Keoleian JC, Rathinavelu S, Kalikin LM, Baker JR Jr. In vitro activity of a novel nanoemulsion against Burkholderia and other multi-drug resistant cystic fibrosis-associated bacterial species. *Antimicrob Agents Chemother* 2008 Oct 27 (Epub ahead of print).

Lu C, Schultz AB, Sill S, Petersen R, Young JM, Edington DW. Effects of an Incentive-Based Online Physical Activity Intervention on Health Care Costs. *J Occup Environ Med* 2008 Nov; 50(11): 1209-1215.

Lumeng CN, Delproposito JB, Westcott DJ, Sattiel AR. Phenotypic switching of adipose tissue macrophages with obesity is generated by spatiotemporal differences in macrophage subtypes. *Diabetes* 2008 Oct 1 (Epub ahead of print).

Margolis EB, Mitchell JM, Ishikawa J, Hjelmstad GO, Fields HL. Midbrain dopamine neurons: projection target determines action potential duration and dopamine D(2) receptor inhibition. *J Neurosci* 2008 Sep 3; 28(36): 8908-13.

Mitchell JM, Gaskin DJ. Receipt of Preventive Dental Care among Special-Needs Children Enrolled in Medicaid: A Crisis in Need of Attention. *J Health Polit Policy Law* 2008 Oct; 33(5): 883-905.

Nathan PC, Greenberg ML, Ness KK, Hudson MM, Mertens AC, Mahoney MC, Gurney JG, Donaldson SS, Leisenring WM, Robison LL, Oeffinger KC. Medical care in long-term survivors of childhood cancer: a report from the childhood cancer survivor study. *J Clin Oncol* 2008 Sep 20; 26(27): 4401-9.

Ohye RG, Gaynor JW, Ghanayem NS, Goldberg CS, Laussen PC, Frommelt PC, Newburger JW, Pearson GD, Tabbutt S, Wernovsky G, Wruck LM, Atz AM, Colan SD, Jaggars J, McCrindle BW, Prakash A, Puchalski MD, Sleeper LA, Stylianou MP, Mahony L, Pediatric Heart Network Investigators. Design and rationale of a randomized trial comparing the Blalock-Taussig and right ventricle-pulmonary artery shunts in the Norwood procedure. *J Thorac Cardiovasc Surg* 2008 Oct; 136(4): 968-75.

Paczesny S, Krijanovski OI, Braun TM, Choi SW, Clouthier SG, Kuick R, Misk DE, Cooke KR, Kitko CL, Weyand A, Bickley D, Jones D, Whitfield J, Reddy P, Levine JE, Hanash SM, Ferrara JL. A biomarker panel for acute graft versus host disease. *Blood* 2008 Oct 2 (Epub ahead of print).

Patel MS, Gebremariam A, Davis MM. Herpes Zoster-Related Hospitalizations and Expenditures Before and After Introduction of the Varicella Vaccine in the United States. *Infect Control Hosp Epidemiol* 2008 Dec; 29(12): 1157-1163.

Paton JF, Dickinson CJ, Mitchell G. Harvey Cushing and the regulation of blood pressure in giraffe, rats and man: introducing Cushing's mechanism. *Exp Physiol* 2008 Sep 26 (Epub ahead of print).

Peres E, Khaled Y, Krijanovski OI, Mineishi S, Levine JE, Kaul DR, Riddell J 4th. Mycobacterium Chelonae Necrotizing Pneumonia After Allogeneic Hematopoietic Stem Cell Transplant: Report of Clinical Response to Treatment with Tigecycline. *Transpl Infect Dis* 2008 Oct 8 (Epub ahead of print).

Peterson CC, Garnett M, Kelly A, Attwood T. Everyday social and conversation applications of theory-of-mind understanding by children with autism-spectrum disorders or typical development. *Eur Child Adolesc Psychiatry* 2008 Sep 22 (Epub ahead of print).

Plank C, Kalb V, Hinkes B, Hildebrandt F, Gefeller O, Rascher W; Arbeitsgemeinschaft für Pädiatrische Nephrologie. Cyclosporin A is superior to cyclophosphamide in children with steroid-resistant nephrotic syndrome—a randomized controlled multicentre trial by the Arbeitsgemeinschaft für Pädiatrische Nephrologie. *Pediatr Nephrol* 2008 Sep; 23(9): 1483-93.

Ragland RL, Glynn MW, Arlt MF, Glover TW. Stably transfected common fragile site sequences exhibit instability at ectopic sites. *Genes Chromosomes Cancer* 2008 Oct; 47(10): 860-72.

Rogers AJ, Loggen M, Lee K, Angeletti PC. Varying efficiency of long-term replication of papillomaviruses in *Saccharomyces cerevisiae*. *Virology* 2008 Sep 30 (Epub ahead of print).



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

Sajjan U, Wang Q, Zhao Y, Gruenert DC, Hershenson MB. Rhinovirus disrupts the barrier function of polarized airway epithelial cells. *Am J Respir Crit Care Med*. 2008 Dec 15; 178(12): 1271-81.

Sandstedt SA, Zhang L, Patel M, McCrea KW, Qin Z, Marrs CF, Gilsdorf JR. Comparison of laboratory-based and phylogenetic methods to distinguish between *Haemophilus influenzae* and *H. haemolyticus*. *J Microbiol Methods*. 2008 Oct; 75(2): 369-71.

Somara S, Bitar KN. Direct association of Calponin with specific domains of PKC (alpha) *Am J Physiol Gastrointest Liver Physiol*. 2008 Oct 23 (Epub ahead of print).

Spight D, Trapnell B, Zhao B, Berclaz P, Shanley TP. Granulocyte-macrophage-colony-stimulating factor-dependent peritoneal macrophage responses determine survival in experimentally induced peritonitis and sepsis in mice. *Shock*. 2008 Oct; 30(4): 434-42.

Steckler TL, Herkimer C, Dumesic DA, Padmanabhan V. Developmental Programming: Excess weight gain amplifies the effects of prenatal testosterone excess on reproductive cyclicity – implication to PCOS. *Endocrinology*. 2008 Oct 30 (Epub ahead of print).

Sundaram B, Gross BH, Martinez FJ, Oh E, Müller NL, Schipper M, Kazerooni EA. Accuracy of high-resolution CT in the diagnosis of diffuse lung disease: effect of predominance and distribution of findings. *AJR Am J Roentgenol*. 2008 Oct; 191(4): 1032-9.

Swijnenburg RJ, Schrepfer S, Govaert JA, Cao F, Ransohoff K, Sheikh AY, Haddad M, Connolly AJ, Davis MM, Robbins RC, Wu JC. Immunosuppressive therapy mitigates immunological rejection of human embryonic stem cell xenografts. *Proc Natl Acad Sci USA*. 2008 Sep 2; 105(35): 12991-6.

Tarini BA, Singer D, Clark SJ, Davis MM. Parents' Concerns About Their Own and Their Children's Genetic Disease Risk: Potential Effects of Family History vs. Genetic Test Results. *Arch Pediatr Adolesc Med*. 2008 Nov; 162(11): 1079-83.

Thomas IH, Donohue JE, Ness KK, Dengel DR, Baker KS, Gurney JG. Bone mineral density in young adult survivors of acute lymphoblastic leukemia. *Cancer*. 2008 Oct 17 (Epub ahead of print).

Weinberg JB, Lopansri BK, Mwaikambo E, Granger DL. Arginine, nitric oxide, carbon monoxide, and endothelial function in severe malaria. *Curr Opin Infect Dis*. 2008 Oct; 21(5): 468-75.

Weinberg JB, Volkheimer AD, Mihovilovic M, Jiang N, Chen Y, Bond K, Moore JO, Gockerman JP, Diehl LF, de Castro CM, Rizzieri DA, Levesque MC, Dekroon R, Strittmatter WJ. Apolipoprotein E genotype as a determinant of survival in chronic lymphocytic leukemia. *Leukemia*. 2008 Sep 11 (Epub ahead of print).

Wolf MT, Hoskins BE, Beck BB, Hoppe B, Tasic V, Otto EA, Hildebrandt F. Mutation analysis of the Uromodulin gene in 96 individuals with urinary tract anomalies (CAKUT). *Pediatr Nephrol*. 2008 Oct 10 (Epub ahead of print).

Yoon EY, Davis MM, Rocchini A, Kershaw D, Freed GL. Medical management of children with primary hypertension by pediatric subspecialists. *Pediatr Nephrol*. 2008 Sep 10 (Epub ahead of print).

## Pharmacology

Bernsteel DJ, Roman DL, Neubig RR. In vitro protein kinase activity measurement by flow cytometry. *Anal Biochem*. 2008 Dec 15; 383(2): 180-5.

Brackenbury WJ, Djamgoz MB, Isom LL. An emerging role for voltage-gated na<sup>+</sup> channels in cellular migration: regulation of central nervous system development and potentiation of invasive cancers. *Neuroscientist*. 2008 Dec; 14(6): 571-83.

Cheema TA, Fisher SK. Cholesterol regulates volume-sensitive osmolyte efflux from human SH-SY5Y neuroblastoma cells following receptor activation. *J Pharmacol Exp Ther*. 2008; 324: 648-657.

Chioni AM, Brackenbury WJ, Calhoun JD, Isom LL, Djamgoz MB. A novel adhesion molecule in human breast cancer cells: Voltage-gated Na<sup>(+)</sup> channel beta1 subunit. *Int J Biochem Cell Biol*. 2008 Nov 12 (Epub ahead of print).

Fein AJ, Wright MA, Slat EA, Ribera AB, Isom LL. scn1bb, a zebrafish ortholog of SCN1B expressed in excitable and nonexcitable cells, affects motor neuron axon morphology and touch sensitivity. *J Neurosci*. 2008 Nov 19; 28(47): 12510-22.

Fisher SK, Cheema TA, Foster DJ, Heacock AM. Volume-dependent osmolyte efflux from neural tissues: regulation by G-protein-coupled receptors. *J Neurochem*. 2008; 106: 1998-2014.

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<sup>+</sup> under conditions of hypo-osmolarity. *J Pharmacol Exp Ther*. 2008 May; 325(2): 457-65.

Harmar AJ, Hills RA, Rosser EM, Jones M, Buneman OP, Dunbar DR, Greenhill SD, Hale VA, Sharman JL, Bonner TI, Catterall WA, Davenport AP, Delagrangre P, Dollery CT, Foord SM, Gutman GA, Laudet V, Neubig RR, Ohlstein EH, Olsen RW, Peters J, Pin JP, Ruffolo RR, Searls DB, Wright MW, Spedding M. IUPHAR-DB: the IUPHAR database of G protein-coupled receptors and ion channels. *Nucleic Acids Res*. 2008 Oct 23 (Epub ahead of print).

Kent UM, Sridar C, Spahlinger G, Hollenberg PF. Modification of serine 360 by a reactive intermediate of 17- $\beta$ -ethynylestradiol leads to mechanism-based inactivation of cytochrome P450s 2B1 and 2B6. *Chem Res In Toxicol*. 2008; 21: 1956-1963.

O'Malley HA, Shreiner AB, Che G-H, Huffnagle GB, Isom LL. Na<sup>+</sup> channel b2 subunits are neuroprotective in a mouse model of Multiple Sclerosis. *J Mol Cell Neurosci*. 2008 (In press).

Shankaranarayanan A, Thal DM, Tesmer VM, Roman DL, Neubig RR, Kozasa T, Tesmer JJ. Assembly of high order G $\alpha$  q-effector complexes with RGS proteins. *J Biol Chem*. 2008 Oct 20 (Epub ahead of print).

Snider NT, Sikora MJ, Sridar C, Feuerstein TJ, Rae JM, Hollenberg PF. The endocannabinoid anandamide is a substrate for the human polymorphic cytochrome P450 2D6. *J Pharmacol Exp Ther*. 2008; 327: 538-545.

Sridar C, Kent UM, Noon K, McCall A, Alworth B, Foroozesh M, Hollenberg PF. Differential inhibition of P450s 3A4 and 3A5 by the newly synthesized coumarin derivatives, 7-coumarin propargyl ether and 7-(4-trifluoromethyl)coumarin propargyl ether. *Drug Metab & Dispos*. 2008; 36: 2234-2243.

Tesmer JGG. Guanylyl cyclase sees the light. *J Biol*. 2008; 7: 31.

## Psychiatry

Abelson JL, Khan S, Liberzon I, Erickson TM, Young EA. Effects of perceived control and cognitive coping on endocrine stress responses to pharmacological activation. *Biol Psychiatry*. 2008; 64: 701-707.

Abelson JL, Khan S, Lyubkin M, Giardino N. Respiratory irregularity and stress hormones in panic disorder: Exploring potential linkages. *Depression & Anxiety*. 2008; 25: 885-887.

Armitage R, Landis C, Hoffmann R, Lentz M, Watson N, Goldberg J, Buchwald D. Power Spectral Analysis of Sleep EEG in Twins Discordant for Chronic Fatigue Syndrome. *J Psychosomatic Res*. 2008 (In press).

Avery DH, Isenberg KE, Sampson SM, Janicak PG, Lisanby SH, Maixner DF, Loo C, Thase ME, Demitrack MA, George MS. Transcranial magnetic stimulation in the acute treatment of major depressive disorder: clinical response in an open-label extension trial. *J Clin Psychiatry*. 2008 Mar; 69(3): 441-51.

Berlusconi G, Buchtel HA. Neuronal plasticity: historical roots and evolution of meaning. *Exp Brain Res*. 2008 Nov 12 (Epub ahead of print).

Buchtel HA, Berlusconi G, Mascetti GG. Behavioural and electrophysiological analysis of strabismus in cats: modern context. *Exp Brain Res*. 2008 Jul 11 (Epub ahead of print).

Casement M, Arnedt JT, Armitage R. Mood Disorders. In: *The Wiley Guide to Sleep Medicine: A Concise Reference and Review*. Teofilo L. Lee-Chiong (ed), John Wiley & Sons; 2008. p. 249-252.

Duffy SA, Reeves P, Hermann C, Karvonen C, Smith P. In-hospital smoking cessation programs: what do VA patients and staff want and need? *Appl Nurs Res*. 2008 Nov; 21(4): 199-206.

Fitzgerald KD, Zbrozek CD, Welsh RC, Britton JC, Liberzon I, Taylor SF. Pilot study of response inhibition and error processing in the posterior medial prefrontal cortex in healthy youth. *J Child Psychol Psychiatry*. 2008 Sep; 49(9): 986-94.

Gold KJ, Kilbourne AM, Valenstein M. Improving care for patients with serious mental illness. *Am Fam Physician*. 2008 Aug 1; 78(3): 314-5.

Gold KJ, Kilbourne AM, Valenstein M. Primary care of patients with serious mental illness: your chance to make a difference. *J Fam Pract*. 2008 Aug; 57(8): 515-25.

Henry NL, Stearns V, Flockhart DA, Hayes DF, Riba M. Drug interactions and pharmacogenomics in the treatment of breast cancer and depression. *Am J Psychiatry*. 2008 Oct; 165(10): 1251-5. Review.

Hussong AM, Flora DB, Curran PJ, Chassin LA, Zucker RA. Defining risk heterogeneity for internalizing symptoms among children of alcoholic parents. *Dev Psychopathol*. 2008 Winter; 20(1): 165-93.

Kilbourne AM, Post EP, Nossek A, Sonel E, Drill LJ, Cooley S, Bauer MS. Service delivery in older patients with bipolar disorder: a review and development of a medical care model. *Bipolar Disord*. 2008 Sep; 10(6): 672-83.

King AP, Leightman JN, Abelson JL, Liberzon I, Seng JS. Ecological salivary cortisol analysis: Part 2 - Relative impact of trauma history, post-traumatic stress, comorbidity, chronic stress and known confounds on hormone levels. *J Am Psychiatr Nurses Assoc* 2008; 14(4): 285-296.

Lancaster C, Flynn H, Marcus S, Johnson T, Davis M. Antenatal Depression Impacts Maternal Length of Stay. *BJOG: An International Journal of Obstetrics and Gynaecology* 2008 Sep; 115(s1): 105-6.

McCarthy JF, Zivin K, Austin KL, Kales HC, Valenstein M. Does consideration of medicare use affect VA evaluations of treatment for new episodes of depression? *Adm Policy Ment Health*. 2008 Nov; 35(6): 468-76.

Merrick EL, Hodgkin D, Garnick DW, Horgan CM, Panas L, Ryan M, Saitz R, Blow FC. Unhealthy Drinking Patterns and Receipt of Preventive Medical Services by Older Adults. *J Gen Intern Med*. 2008 Nov; 23(11): 1741-1748.

Mickey BJ, Ducci F, Hodgkinson CA, Langenecker SA, Goldman D, Zubieta JK. Monoamine oxidase: A genotype predicts human serotonin 1A receptor availability in vivo. *J Neurosci*. 2008 Oct 29; 28(44): 11354-9.

Murray RL, Chermack ST, Walton MA, Winters J, Booth BM, Blow FC. Psychological aggression, physical aggression, and injury in nonpartner relationships among men and women in treatment for substance-use disorders. *J Stud Alcohol Drugs*. 2008 Oct; 69(6): 896-905.

Pfeiffer PN, Ganoczy D, Valenstein M. Dosing frequency and adherence to antipsychotic medications. *Psychiatr Serv*. 2008 Oct; 59(10): 1207-10.

Pitroda S, Angstadt M, McCloskey MS, Coccaro EF, Phan KL. Emotional experience modulates brain activity during fixation periods between tasks. *Neurosci Lett*. 2008 Oct 3; 443(2): 72-6.

Pyne JM, Asch SM, Lincourt K, Kilbourne AM, Bowman C, Atkinson H, Gifford A. Quality indicators for depression care in HIV patients. *AIDS Care*. 2008 Oct; 20(9): 1075-83.

Sajatovic M, Biswas K, Kilbourne AK, Fenn H, Williford W, Bauer MS. Factors associated with prospective long-term treatment adherence among individuals with bipolar disorder. *Psychiatr Serv*. 2008 Jul; 59(7): 753-9.

Saragoza P, Maixner DF. The wilting widow's masquerading illness. *Current Psychiatry*. 2008 Aug; 7(8): 68-74.

Sen S, Burmeister M. Hardy-Weinberg Analysis of a Large Set of Published Association Studies Reveals Genotyping Error and a Deficit of Heterozygotes Across Multiple Loci - Human Genomics, 2008; 3(1): 36-52.

Silk KR. Multiple diagnoses on multiple axes - a comment on complex case: the relationship between, and treatment of, DSM Axis I and II disorders encountered in combination by Janine Stevenson et al. *Personality Ment Health* 2008; 2: 289-291.

Silk KR, Heap J. Treating patients with a personality disorder in emergency settings. *Psychiatric Issues Emerg Care Settings* 2008; 7(3): 10-17.

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).

Terracciano A, Sanna S, Uda M, Deiana B, Usala G, Busonero F, Maschio A, Scally M, Patriciu N, Chen WM, Distel MA, Slagboom EP, Boomsma DI, Villafuerte S, Sliwerska E, Burmeister M, Amin N, Janssens AC, van Duijn CM, Schlessinger D, Abecasis GR, Costa PT Jr. Genome-wide association scan for five major dimensions of personality. *Mol Psychiatry*. 2008 Oct 28 (Epub ahead of print).

Wager CE, Wager TD, Fredrickson BL, Noll DC, Taylor SF. The neural correlates of trait resilience when anticipating and recovering from threat. *Soc Cogn Affect Neurosci*. 2008 Sep 2 (Epub ahead of print).

Welsh RC, Chen AC, Taylor SF. Low-Frequency BOLD Fluctuations Demonstrate Altered Thalamocortical Connectivity in Schizophrenia. *Schizophr Bull*. 2008 Nov 5 (Epub ahead of print).

Zivin K, McCarthy JF, McCammon RJ, Valenstein M, Post EP, Welsh DE, Kilbourne AM. Health-related quality of life and utilities among patients with depression in the Department of Veterans Affairs. *Psychiatr Serv*. 2008 Nov; 59(11): 1331-4.

## Radiation Oncology

Hoh DJ, Elder JB, Wang MY. Principles of growth modulation in the treatment of scoliotic deformities. *Neurosurgery*. 2008 Sep; 63(3 Suppl): 211-21.

Lin A, Moran JM, Marsh RB, Balter JM, Fraass BA, McShan DL, Kessler ML, Pierce LJ. Evaluation of multiple breathing states using a multiple instance geometry approximation (MIGA) in inverse-planned optimization for locoregional breast treatment. *Int J Radiat Oncol Biol Phys*. 2008 Oct 1; 72(2): 610-6.

Murdoch-Kinch CA, Kim HM, Vineberg KA, Ship JA, Eisbruch A. Dose-effect relationships for the submandibular salivary glands and implications for their sparing by intensity modulated radiotherapy. *Int J Radiat Oncol Biol Phys*. 2008 Oct 1; 72(2): 373-82.

Soto DE, Kessler ML, Piert M, Eisbruch A. Correlation between pretreatment FDG-PET biological target volume and anatomical location of failure after radiation therapy for head and neck cancers. *Radiother Oncol*. 2008 Oct; 89(1): 13-8.

Taylor JM, Ankerst DP, Andridge RR. Validation of biomarker-based risk prediction models. *Clin Cancer Res*. 2008 Oct 1; 14(19): 5977-83.

## Radiology

LeCarpentier GL, Roubidoux MA, Fowlkes JB, Krucker JF, Hunt KA, Paramagul C, Johnson TD, Thorson NJ, Engle KD, Carson PL. Assessment of 3D Doppler US Indexes for Classification in a Test Population and Fourfold Cross-Validation Scheme. *Radiology*. 2008; 249(2): 463-470.

Miller DL, Dou C, Wiggins RC. Frequency Dependence of Kidney Injury Induced by Contrast-aided Diagnostic Ultrasound in Rats. *Ultrasound Med Biol*. 2008; 34(10): 1678-87.

Zhang M, Castaneda B, Christensen J, Saad W, Bylund K, Hoyt K, Strang JG, Rubens DJ, Parker KJ. Real-time Sonoelastography of Hepatic Thermal Lesions in a Swine Model. *Medical Physics* 2008; 35(9): 4132-4141.

## Surgery

### Cardiac Surgery:

Cseke, Leland J; Kirakosyan, Ara; Kaufman, Peter B; Warber, Sara; Duke, James A; Brielmann, Harry L. *Natural Products from Plants*. 2nd ed. CRC Press; 2006. 640 p.

### General Surgery:

Frankel TL, Griffith KA, Lowe L, Wong SL, Bichakjian CK, Chang AE, Cimmino VM, Bradford CR, Rees, RS, Johnson TM, Sabel MS. Do micromorphometric features of metastatic deposits within sentinel nodes predict nonsentinel lymph node involvement in melanoma? *Ann. Surg. Oncol*. 2008 Sep; 15(9): 2403-11.

Hemmila MR, Taddonio MA, Arbabi S, Maggio PM, Wahl WL. Intensive insulin therapy is associated with reduced infectious complications in burn patients. *Surgery*. 2008 Oct; 144(4): 629-35; discussion 635-7.

Kushwaha SS, Raichlin E, Sheinin Y, Kremers WK, Chandrasekaran K, Brun GJ, Platt JL. Sirolimus affects cardiomyocytes to reduce left ventricular mass in heart transplant recipients. *Eur Heart J*. 2008; 29: 2742-2750.

Minter RM, Bi X, Ben-Josef G, Wang T, Hu B, Arbabi S, Hemmila MR, Wang SC, Remick DG, Su GL. LPS-binding Protein Mediates LPS Induced Liver Injury and Mortality in the Setting of Biliary Obstruction. *American Journal of Physiology - Gastrointestinal and Liver Physiology*. 2008 (Accepted).

Norton JA, Barie PS, Bollinger RR, Chang AE, Lowry SF, Mulvihill SJ, Pass HI, Thompson RW. *Surgery: Basic Science and Clinical Evidence* (second edition). New York: Springer; 2008. 2,442 p.

Sabel MS. Cryo-Immunology: A Review of the Literature and Proposed Mechanisms for Stimulatory Versus Suppressive Immune Responses. *Cryobiology* 2008; (In press).

Teitz-Tennenbaum S, Li Q, David MA, Chang AE. Dendritic cells pulsed with keyhole limpet hemocyanin and cryopreserved maintain anti-tumor activity in a murine melanoma model. *Clin. Immunology* 2008 Oct; 129: 482-91.

Tsai S, Chang AE. Adoptive T Cell Immunotherapy. In: Agarwala SS; Sondak, VK. *Melanoma: Translational Research and Emerging Therapies*. 1st ed. New York; Informa Healthcare; 2008. p. 161-176.

Wong SL, Lao CD, Bichakjian CK. Re: Case 19-2008: Merkel-cell carcinoma. *N Engl J Med*. 2008; 359(15): 1630.

Wong SL, McCahill LE, Edge SB, Askew RL, Beitsch PD, Kollmorgen DR, Anthony T, Petrelli NJ, Leong SP, Cormier JN. Getting to better cancer care: results of a society of surgical oncology survey. *Ann Surg Oncol* 2008; 15(9): 2363-2371.

### Pediatric Surgery:

Dziuban EJ, Teitelbaum DH, Bakhtyar A, Kandlikar J, McLean S, Yarram S, Russell MW, Ohye RG, Sanchez R. Mesenteric pseudoaneurysm and cerebral stroke as sequelae of infective endocarditis in an adolescent. *J Pediatr Surg*. 2008 Oct; 43(10): 1923-7.

Koga H, Yang H, Haxhija EQ, Teitelbaum DH. The role of angiotensin II type 1a receptor on intestinal epithelial cells following small bowel resection in a mouse model. *Pediatr Surg Int*. 2008 Dec; 24(12): 1279-1286.

Stranzinger E, Dipietro MA, Teitelbaum DH, Strouse PJ. Imaging of total colonic Hirschsprung disease. *Pediatr Radiol*. 2008 Nov; 38(11): 1162-70.

Yang H, Gumucio DL, Teitelbaum DH. Intestinal specific overexpression of interleukin-7 attenuates the alternation of intestinal intraepithelial lymphocytes after total parenteral nutrition administration. *Ann Surg*. 2008 Nov; 248(5): 849-56.

### Thoracic Surgery:

Albertus DL, Seder CW, Chen GWang X, Hartpjo W, Lin L, Silvers A, Thomas DG, Giordano TJ, Chang AC, Orringer MB, Bigbee WL, Chinnaiyan AM, Beer DG. AZGP1 expression is epigenetically regulated and its autoantibody predicts survival in lung adenocarcinoma. *J. Thoracic Oncology* 2008 (In press).

Ding L, Getz G, Wheeler DA, Mardis ER, McLellan MD, Cibulskis K, Sougnez C, Greulich H, Muzny DM, Morgan MB, Fulton L, Fulton RS, Zhang Q, Wendl MC, Lawrence M, Larson DE, Chen K, Dooling DJ, Sabo A, Hawes AC, Shen H, Jhangiani SN, Lewis LR, Hall O, Zhu Y, Mathew T, Ren Y, Yao J, Scherer SE, Clerc K, Metcalf GA, Ng B, Milosavljevic A, Gonzalez-Garay ML, Osborne JR, Meyer R, Shi X, Tang Y, Koboldt DC, Lin L, Abbott R, Miner TL, Pohl C, Fewell G, Haiepek C, Schmidt H, Dunford-Shore BH, Kraja A, Crosby SD, Sawyer CS, Vickery T, Sander S, Robinson J, Winckler W, Baldwin J, Chirieac LR, Dutt A, Fennell T, Hanna M, Johnson BE, Onofrio RC, Thomas RK, Tonon G, Weir BA, Zhao X, Ziaugra L, Zody MC, Giordano T, Orringer MB, Roth JA, Spitz MR, Wistuba II, Ozenberger B, Good P, Chang AC, Beer DG, Watson MA, Ladanyi M, Broderick S, Yoshizawa A, Travis WD, Pao W, Province MA, Weinstock GM, Varmus HE, Gabriel SB, Lander ES, Gibbs RA, Meyerson M, Wilson RK. Somatic mutations affect key pathways in lung adenocarcinoma. *Nature*. 2008 (In press).

**Vascular Surgery:**

Osborne NH, Wakefield TW, Henke PK. Venous Thromboembolism in Cancer Patients Undergoing Major Surgery. *Ann Surg Oncol*. 2008 Oct 8 (Epub ahead of print).

**Urology**

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Cao Q, Yu J, Dhanasekaran SM, Kim JH, Mani RS, Tomlins SA, Mehra R, Laxman B, Cao X, Yu J, Kleer CG, Varambally S, Chinnaiyan AM. Repression of E-cadherin by the polycomb group protein EZH2 in cancer. *Oncogene*. 2008 Sep 22 (Epub ahead of print).

Lewicky-Gaupp C, Blaivas J, Clark A, McGuire EJ, Schaer G, Tumbarello J, Tunn R, Delancey JO. "The cough game": are there characteristic urethrovesical movement patterns associated with stress incontinence? *Int Urogynecol J Pelvic Floor Dysfunct*. 2008 Oct 11 (Epub ahead of print).

Macoska JA, Adsule S, Tantivejkul K, Wang S, Pienta KJ, Lee CT. - (-)Gossypol promotes the apoptosis of bladder cancer cells in vitro. *Pharmacol Res*. 2008 Sep 16 (Epub ahead of print).

Margulies RU, Lewicky-Gaupp C, Fenner DE, McGuire EJ, Clemens JQ, Delancey JO. Complications requiring reoperation following vaginal mesh kit procedures for prolapse. *Am J Obstet Gynecol*. 2008 Oct 7 (Epub ahead of print).

Moyad MA, Combs MA, Vrablic AS, Velasquez J, Turner B, Bernal S. Vitamin C metabolites, independent of smoking status, significantly enhance leukocyte, but not plasma ascorbate concentrations. *Adv Ther*. 2008 Oct 2 (Epub ahead of print).

Oh KS, Sandler HM. Second Malignancies After Radiotherapy for Prostate Cancer: Keeping Perspective. *Urology*. 2008 Sep 23 (Epub ahead of print).