

## HEADLINES

### **IRBMED Initiates “Fast Track” Review of American Reinvestment and Recovery Act (ARRA) Project Submissions**

Arising from the economic stimulus plan funding opportunities, the IRBMED has enhanced the turnaround time for review and approval of these projects. University IRB offices have also worked with the Michigan Administrative Information Service (MAIS) eResearch Regulatory Management team to develop a “flag” in eResearch to better identify and facilitate the review of these projects by all committees, including any necessary core and ancillary committees.

The IRBMED currently conducts three convened board meetings per week. These meetings will be lengthened to accommodate the ARRA project reviews. Should additional meetings beyond the current board meetings be required, the IRBMED will notify the research study teams.

Research study teams are advised to notify the IRBMED office as soon as possible that an ARRA project application has or will be submitted in eResearch.

For more information and updates please visit the following website at (<http://www.med.umich.edu/uv/recovery/research>). For assistance/questions you may reach the IRBMED office at 734-763-4768.

### **2009 Research Administration Award Winners Announced**

Thursday, May 7, 2009

3:30 - 5:00 PM (Awards presentation at 4:00 PM.)

Vandenberg Room, Michigan League

Four University of Michigan staff will be honored for their outstanding research service at a reception in the Michigan League. Lori Bowden, Linda Forsyth and Barb Rice will receive the Distinguished Research Administrator Award. Dave Plawchan will receive the OVPR Exceptional Service Award. “The University’s research activity has never been more robust, and it requires solid professionals, such as this year’s winners, to keep this going in an efficient and well thought-out manner,” says Stephen Forrest, Vice President for Research.

The Distinguished Research Administrator Award honors individuals from any unit at the University who have demonstrated distinguished service exemplifying the goals of professional research administration. The OVPR Exceptional Service Award honors staff members from OVPR or any of the units that report to OVPR. This award recognizes individuals involved in any area of work who have made outstanding contributions that go beyond the ordinary fulfillment of the position’s duties.

This event is open to the public and is sponsored by the Office of the Vice President for Research. For

more information, visit (<http://www.research.umich.edu/contacts/ovpr/staff.awards>). If you have any questions, please contact OVPR at 734-763-1290.

### **UMMS Dean’s Faculty Research Awards Deadline: June 12, 2009**

#### **• Basic Science Research Award**

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

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

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

#### **• Clinical & Health Services Research Award**

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

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

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

## **RESEARCH COMPLIANCE TRAINING AND EDUCATION**

### *Human Research*

#### **Addendum: Deception/Incomplete Disclosure Studies**

Following last month’s article entitled “Deception/Incomplete Disclosure Studies,” the IRBMED would like investigators to be aware that deception and incomplete disclosure studies are not permitted for FDA regulated research.

## **IRBs Are Increasing Their Responsiveness to Researchers**

The U-M Medical School Institutional Review Board (IRBMED) and the other IRBs at U-M have been listening to feedback from researchers and using it to improve their effectiveness and efficiency in reviewing, approving and overseeing research projects. This improvement is reflected in the 2008 Report to the Faculty and Staff on Institutional Review Boards, which was recently released by the U-M Office of the Vice President for Research. The report shows there has been a significant reduction in turnaround times on new project submissions and a general reduction in the turnaround times from submission to approval for selected ancillary and core committees. The report also shows that the volume of projects being approved is increasing, especially in medical sciences. IRBMED monitors about 3400 projects at any given time. Each year about 8000 submissions are received. About 1200 of them are new studies and the others are renewals, reports and terminations.

Institutional Review Boards make sure that the rights and welfare of participants are protected in all clinical trials and other human subjects research conducted at the University of Michigan. Researchers must obtain the approval from the appropriate U-M IRB before a research project involving human subjects can begin.

For more information about IRBMED, go to (<http://www.med.umich.edu/irbmed>). The IRB report is available at (<http://www.research.umich.edu/hrpp/Documents/2008Report.pdf>).

### **IRBMED Makes Asking Questions Easier**

IRBMED now offers a service to make it easier to ask IRB questions. The service is called "STARS," short for Speak to a Regulatory Specialist. It provides scheduled times during the week when a senior regulatory analyst will be available to speak right away with researchers who call about new or ongoing IRBMED business. Call 734-763-4768 during the designated times and ask for "STARS." Current times for these calls are:

- Tuesdays from 10:00 AM - 12:00 PM
- Wednesdays from 1:00 - 3:00 PM

This new program guarantees that researchers can talk with an appropriate professional during designated times. It is an additional way for researchers to contact the IRBMED staff, who welcome questions at any time, offer consults on new and ongoing research and provide scheduled educational sessions to address specific needs of researchers.

If you have any questions about this article, please contact Jan Hewett in the IRBMED office (734-763-4768).

## *Animal Research*

### **New Records Policy**

The University Committee on Use and Care of Animals has approved the "UCUCA Policy on Animal Procedure Records." This policy now requires that surgery records be kept for all species and be contained in the animal housing room for the post-operative period. In addition, records are required for anesthetic monitoring for non-rodent USDA animals and for

monitoring tumor burden in animals. The records for the non-rodent USDA covered animals must be turned into the Unit for Laboratory Animal Medicine (ULAM) to be kept with the animal's permanent medical records.

This new policy is in response to the recent Association for Assessment and Accreditation of Laboratory Animal Care, International (AAALAC) site visit and to assist the veterinary staff in providing appropriate veterinary care.

Example records are provided in the documents, "Guidelines for Performance of Survival Surgery in Rodents" and the "Guidelines for the Performance of Surgery in Non-Rodent Mammals." These documents, along with the new policy are available on the UCUCA website at (<http://www.ucuca.umich.edu>).

### **UCUCA / ULAM Town Hall Meeting**

Monday, May 18, 2009

3:00 PM

Medical Science I, Room M5330

The UCUCA and ULAM will be hosting a town-hall style meeting to discuss the changing environment for animal research compliance. The meeting will include presentations describing these changes and will outline the new policies and procedures that will be used to ensure the University remains in compliance with all animal research laws, regulations and standards. We are encouraging all investigators and laboratory personnel to attend.

## **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) How do I sell my lab equipment I no longer want?**

**A)** See "How do I close down my lab?" (<http://www.med.umich.edu/medschool/research/faq.htm#q36>) on how to close a laboratory. Remember that EACH piece of equipment must be labeled as to its destination and safety to move.

### **Q) How do I transfer or sell lab equipment to a colleague?**

**A)** After you identify the faculty member to receive or purchase the equipment, you must contact the Property Control Office (<http://www.umich.edu/%7Eofa/propertycontrol/>) and follow the procedure.

## **EDUCATIONAL OPPORTUNITIES**

### **I I th Annual Midwest DNA Repair Symposium**

Saturday, May 16, 2009 – 11:30 AM - 9:00 PM

Sunday, May 17, 2009 – 8:30 AM - 12:30 PM

Biomedical Science Research Building (BSRB) Auditorium

This annual event chaired and hosted this year by Mats Ljungman, Radiation Oncology, and Tom Wilson, Pathology, features three distinguished speakers: Phil Hanawalt/Stanford University; Junjie Chen/Yale University and John Tainer/Scripps Research Institute. Also, there will be four

scientific sessions, a poster session and dinner in a beautiful atrium setting.

**Registration Deadline:** May 8, 2009

**Registration Cost:** \$60.00

**Website:** <http://www.dnarepairsymposium.org>

## FUNDING/AWARD OPPORTUNITIES

### External Open Submissions

#### Barth Syndrome Foundation Request for Research Proposals

**Deadline: October 31, 2009**

The Barth Syndrome Foundation, Inc. and its affiliates are pleased to announce the availability of funding for research on the natural history, biochemical basis, and treatment of Barth syndrome. Barth syndrome is a serious X-linked genetic condition associated with cardiomyopathy, neutropenia, skeletal muscle weakness, exercise intolerance, growth delay, and diverse biochemical abnormalities (including defects in mitochondrial metabolism and phospholipid biosynthesis). Because many clinical and biochemical abnormalities of Barth syndrome remain poorly understood, we are seeking proposals for research that may shed light on any aspect of the syndrome. We are determined to find improved treatments—and ultimately a cure—for this rare and under-diagnosed disorder.

We are most interested in providing “seed money” to be used by experienced investigators for the testing of initial hypotheses and collection of preliminary data leading to successful long-term funding by the National Institutes of Health (NIH) and other major granting institutions around the world. In addition, we are especially interested in attracting new investigators to the very interesting field of Barth syndrome research. We anticipate awarding several one- or two-year grants of up to \$40,000 each. Grants will be awarded early March 2010. For complete details including the grant application process and requirements, visit (<http://www.barthsyndrome.org/english/View.asp?x=1635>).

• • • *Deadline Watch* • • •

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

**Deadline: May 15, 2009**

(<http://www.med.umich.edu/medschool/research/support/funding/bridging.htm>)

For questions, call 734-615-8802 or email ([BMRCsubmit@umich.edu](mailto:BMRCsubmit@umich.edu)).

## UMMS AWARDED GRANTS

### External Awarded Grants

#### Internal Medicine

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**PI:** Chetcuti, Stanley

**Title:** THE MEDTRONIC ENDEAVORA RESOLUTE ZOTAROLIMUS-ELUTING CORONARY STENT SYSTEM IN THE TREATMENT OF DE NOVO LESIONS IN NATIVE CORONARY ARTERIES WITH A REFERENCE VESSEL DIAMETER OF 2.25MM TO 4.2MM (RESOLUTE US CLINICAL TRIAL: A CLINICAL EVALUATION OF)

**Sponsor:** Medtronic Vascular, Inc

**Project Dates and Amount of Award:** 03/13/09-03/31/11; \$81,210

**PI:** Huang, Steven

**Title:** EPIGENETIC REGULATION OF THE E PROSTANOID 2 RECEPTOR GENE IN LUNG FIBROBLASTS

**Sponsor:** NIH 1 K08 HL 094657 01

**Project Dates and Amount of Award:** 04/01/09-03/31/14; \$668,560

**PI:** Hussain, Maha

**Co-I:** Cooney, Kathleen (Int Med-Hematology/Oncology) / Pienta, Kenneth (Int Med-Hematology/Oncology) / Smith, David (Int Med-Hematology/Oncology)

**Title:** PROSTATE CANCER CLINICAL TRIALS GROUP - THE UNIVERSITY OF MICHIGAN SITE

**Sponsor:** US DOD-Army, Department of the

**Project Dates and Amount of Award:** 05/01/09-04/30/14; \$1,545,000

**PI:** Seibold, James

**Co-I:** Phillips, Kristine (Int Med-Rheumatology) / Schiopu, Elena (Int Med-Rheumatology)

**Title:** DASATINIB IN THE TREATMENT OF SCLERODERMA PULMONARY INTERSTITIAL FIBROSIS (AN OPEN LABEL TRIAL TO EVALUATE THE SAFETY OF)

**Sponsor:** Bristol-Myers Squibb

**Project Dates and Amount of Award:** 03/24/09-03/24/11; \$137,180

**PI:** Zimmermann, Ellen

**Title:** GI FELLOW EDUCATIONAL SCHOLARSHIP GRANT

**Sponsor:** Ortho-Mcneil Janssen Scientific Affairs, Llc

**Project Dates and Amount of Award:** 04/01/09-12/31/09; \$5,850

#### Microbiology and Immunology

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**PI:** Sandkvist, Maria

**Title:** THERAPEUTIC TARGETING OF TYPE II SECRETION

**Sponsor:** NIH - Subcontracts TO University of Chicago

**Project Dates and Amount of Award:** 03/01/09-02/28/10; \$193,125

#### Molecular & Behavioral Neuroscience Institute

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**PI:** Akil, Huda

**Co-I:** Thompson, Robert (Molecular & Behav Neurosc Inst) / Watson Jr, Stanley (Molecular & Behav Neurosc Inst) / Young, Elizabeth (Molecular & Behav Neurosc Inst)

**Title:** BIOLOGY AND BIOMARKERS FOR STRESS RESILIENCE: ANIMAL MODELS AND HUMAN STUDIES

**Sponsor:** US DOD-Navy, Department of the

**Project Dates and Amount of Award:** 02/01/09-01/31/12; \$1,236,824

#### Neurology

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**PI:** Hao, Shuanglin

**Co-I:** Fink, David (Neurology Department)

**Title:** PATHOGENESIS AND THERAPY OF HIV-RELATED NEUROPATHIC PAIN

**Sponsor:** NIH 1 R21 DA 025527 01 A1

**Project Dates and Amount of Award:** 07/01/09-06/30/11; \$424,875

**PI:** Heidebrink, Judith

**Title:** ADCS-PFIZER CLINICAL TRIAL OF RAGE INHIBITOR IN PET IMAGING OF BRAIN AMYLOID-BETA WITH 18F-AV-45 (FLORPIRAMINE F-18)

**Sponsor:** NIH - Subcontracts TO Univ Of California - San Diego U01 AG 010483

**Project Dates and Amount of Award:** 11/14/08-05/31/10; \$20,000

#### Pathology

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**PI:** Phan, Sem

**Title:** A NOVEL TELOMERASE EXPRESSING LUNG FIBROBLAST PHENOTYPE

**Sponsor:** NIH 2 R01 HL 077297 05 A1

**Project Dates and Amount of Award:** 04/01/09-02/28/13; \$1,506,239

## Pediatrics & Communicable Diseases

PI: Nasr, Samya

**Title:** LONGITUDINAL ASSESSMENT OF RISK FACTORS/IMPACT OF PSEUDOMONAS AERUGINOSA ACQUISITION AND EARLY ANTI-PSEUDOMONAL TREATMENT OF CHILDREN WITH CF (EPIC 002)

**Sponsor:** Cystic Fibrosis Foundation Therapeutics, Inc. TO Children's Hospital and Regional Medical Center

**Project Dates and Amount of Award:** 04/01/09-03/31/14; \$28,094

## Psychiatry

PI: King, Cheryl

**Co-I:** Eisenberg, Daniel (Health Management and Policy) / Gillespie, Brenda (Ctr Statistical Consul & Res) / Resnicow, Kenneth (Hlth Behavior & Hlth Ed Dept) / Zheng, Kai (Health Management and Policy)

**Title:** COLLEGE STUDENTS WITH ELEVATED SUICIDE RISK: ENHANCING TREATMENT LINKAGE

**Sponsor:** NIH 1 R34 MH 083032 01 A1

**Project Dates and Amount of Award:** 04/01/09-12/31/11; \$700,583

# UMMS RESEARCH PUBLICATIONS

## Biological Chemistry

Hondorp ER, Matthews RG. Oxidation of Cysteine 645 of Cobalamin-Independent Methionine Synthase Causes a Methionine Limitation in *Escherichia coli*. *J Bacteriol*. 2009 Mar 13 (Epub ahead of print).

Hougland JL, Fierke CA. Getting a handle on protein prenylation. *Nat Chem Biol*. 2009 Apr; 5(4): 197-8.

Inoki K, Guan KL. Tuberous sclerosis complex, implication from a rare genetic disease to common cancer treatment. *Hum Mol Genet*. 2009 Apr 15; 18(R1): R94-100. Review.

Jeong BC, Lee YS, Park YY, Bae IH, Kim DK, Koo SH, Choi HR, Kim SH, Franceschi RT, Koh JT, Choi HS. The orphan nuclear receptor ERR $\gamma$  negatively regulates BMP2-induced osteoblast differentiation and bone formation. *J Biol Chem*. 2009 Mar 26 (Epub ahead of print).

Kim E, Guan KL. RAG GTPases in nutrient-mediated TOR signaling pathway. *Cell Cycle*. 2009 Apr 1; 8(7): 1014-8.

Koehn EM, Fleischmann T, Conrad JA, Palfey BA, Lesley SA, Matthews II, Kohen A. An unusual mechanism of thymidylate biosynthesis in organisms containing the thyX gene. *Nature*. 2009 Apr 16; 458(7240): 919-23.

Komiyama T, Coppola JM, Larsen MJ, van Dort ME, Ross BD, Day R, Rehemtulla A, Fuller RS. Inhibition of furin/PC-catalyzed surface and intracellular processing by small molecules. *J Biol Chem*. 2009 Mar 30 (Epub ahead of print).

Liptak MD, Fleischhacker AS, Matthews RG, Telser J, Brunold TC. Spectroscopic and Computational Characterization of the Base-off Forms of Cob(II)alamin. *J Phys Chem B*. 2009 Apr 16; 113(15): 5245-5254.

Mokas S, Mills JR, Garreau C, Fournier MJ, Robert F, Arya P, Kaufman RJ, Pelletier J, Mazroui R. Uncoupling Stress Granule Assembly and Translation Initiation Inhibition. *Mol Biol Cell*. 2009 Apr 15 (Epub ahead of print).

Mori H, Inoki K, Münzberg H, Opland D, Faouzi M, Villanueva EC, Ikenoue T, Kwiatkowski D, MacDougald OA, Myers MG Jr, Guan KL. Critical role for hypothalamic mTOR activity in energy balance. *Cell Metab*. 2009 Apr; 9(4): 362-74.

Ragsdale SW. Nickel-based enzyme systems. *J Biol Chem*. 2009 Apr 10 (Epub ahead of print).

Rodriguez H, Snyder M, Uhlén M, Andrews P, Beavis RC, Borchers CH, Chalkley R, Cho SY, Cottingham K, Dunn M, Dylag T, Edgar R, Hare P, Heck AJ, Hirsch RF, Kennedy K, Kolar P, Kraus HJ, Mallick P, Nesvizhskii A, Ping P, Ponten F, Yang L, Yates JR, Stein SE, Hermjakob H, Kinsinger CR, Apweiler R. Recommendations from the 2008 International Summit on Proteomics Data Release and Sharing Policy - A Summit Report. *J Proteome Res*. 2009 Apr 3 (Epub ahead of print).

Suttamanatwong S, Jensen ED, Schilling J, Franceschi RT, Carlson AE, Mansky KC, Gopalakrishnan R. Sp proteins and Runx2 mediate regulation of matrix gla protein (MGP) expression by parathyroid hormone. *J Cell Biochem*. 2009 Mar 20; 107(2): 284-292.

Tapley TL, Körner JL, Barge MT, Hupfeld J, Schauer JA, Gafni A, Jakob U, Bardwell JC. Structural plasticity of an acid-activated chaperone allows promiscuous substrate binding. *Proc Natl Acad Sci USA*. 2009 Apr 7; 106(14): 5557-62.

Yu W, Lin Y, Yao J, Huang W, Lei Q, Xiong Y, Zhao S, Guan KL. Lysine 88 acetylation negatively regulates ornithine carbamoyltransferase activity in response to nutrient signals. *J Biol Chem*. 2009 Mar 23 (Epub ahead of print).

Yue T, Goldstein IJ, Hollingsworth MA, Kaul K, Brand RE, Haab BB. The prevalence and nature of glycan alterations on specific proteins in pancreatic cancer patients revealed using antibody-glycan sandwich arrays. *Mol Cell Proteomics*. 2009 Apr 17 (Epub ahead of print).

Zhang H, Liu CY, Zha ZY, Zhao B, Yao J, Zhao S, Xiong Y, Lei QY, Guan KL. TEAD transcription factors mediate the function of TAZ in cell growth and epithelial-mesenchymal transition. *J Biol Chem*. 2009 Mar 26 (Epub ahead of print).

Zhao B, Lei QY, Guan KL. Harness the power: new insights into the inhibition of YAP/Yorkie. *Dev Cell*. 2009 Mar; 16(3): 321-2.

Zhao S, Lin Y, Xu W, Jiang W, Zha Z, Wang P, Yu W, Li Z, Gong L, Peng Y, Ding J, Lei Q, Guan KL, Xiong Y. Glioma-derived mutations in IDH1 dominantly inhibit IDH1 catalytic activity and induce HIF-1 $\alpha$ . *Science*. 2009 Apr 10; 324(5924): 261-5.

## Cell & Developmental Biology

Shen YC, Li D, Al-Shoabi A, Bersano-Beguy T, Chen H, Ali S, Flak B, Perrin C, Winslow M, Shah H, Ramamurthy P, Schmedlen RH, Takayama S, Barald KF. A Student Team in a University of Michigan Biomedical Engineering Design Course Constructs a Microfluidic Bioreactor for Studies of Zebrafish Development. *Zebrafish*. 2009 Mar 17 (Epub ahead of print).

## Emergency Medicine

Cunningham R, Knox L, Fein J, Harrison S, Frisch K, Walton M, Dicker R, Calhoun D, Becker M, Hargarten SW. Before and After the Trauma Bay: The Prevention of Violent Injury Among Youth. *Ann Emerg Med*. 2009 (In press) (doi: 10.1016/j.annemergmed.2008.11.014).

Cunningham RM, Murray R, Walton MA, Chermack ST, Wojnar M, Wozniak P, Booth BM, Blow FC. Past Year Assault among Inner-City ED Patients. *Ann Emerg Med*. 2009 (In press).

Hohne DN, Younger JG, Solomon MJ. Flexible microfluidic device for mechanical property characterization of soft viscoelastic solids such as bacterial biofilms. *Langmuir*. 2009 (In press).

Louie M, Bradin S. Aerodigestive foreign bodies in the pediatric population. *Pediatrics in Review*. 2009 (In press).

Schweigler LM, Desmond JS, McCarthy M, Bukowski K, Ionides EL, Younger JG. Forecasting models of emergency department crowding. *Acad Emerg Med*. 2009 (In press).

Seetharamaiah R, Younger JG, Bartlett RH, Hirschl RB. Factors associated with survival in infants with congenital diaphragmatic hernia requiring extracorporeal membrane oxygenation: A report from the Congenital Diaphragmatic Hernia Study Group. *J Ped Surg*. 2009 (In press).

Whiteside LK, Stanley R, Resko SM, Chermack ST, Zimmerman M, Walton MA, Cunningham RM. Gynecologic evaluations among adolescents: An opportunity to discuss dating violence? *Acad Emerg Med*. 2009 (In press).

Xue Y, Zimmerman M, Cunningham R. Longitudinal Relationship between Alcohol Use and Violent Behavior among Urban African American Youths from Adolescence to Emerging Adulthood. *Am J Public Health*. 2009 (Accepted).

## Family Medicine

Reed BD. Female Sexual Pain Disorders: Evaluation and Management. 1st Edition. Goldstein A, Pukall C, Goldstein I, Binik Y, editors. Hoboken, NJ: Blackwell Publishing Ltd.; 2009. Sexual Assault/Abuse And Its Link To Female Sexual Pain.

Wilkerson JE, Bailey JM, Bieniasz ME, Murray SI, Ruffin MT. Psychosocial factors in risk of cervical intraepithelial lesions. *J Womens Health (Larchmt)*. 2009 Apr; 18(4): 513-8.

## Human Genetics

Degnan JH, Rosenberg NA. Gene tree discordance, phylogenetic inference and the multispecies coalescent. *Trends Ecol Evol*. 2009 Mar 21 (Epub ahead of print).

Duffy SA, Ronis DL, McLean S, Fowler KE, Gruber SB, Wolf GT, Terrell JE. Pretreatment Health Behaviors Predict Survival Among Patients With Head and Neck Squamous Cell Carcinoma. *J Clin Oncol*. 2009 Mar 16 (Epub ahead of print).

Gartner EM, Griffith KA, Pan Q, Brewer GJ, Henja GF, Merajver SD, Zalupski MM. A pilot trial of the anti-angiogenic copper lowering agent tetrathiomolybdate in combination with irinotecan, 5-fluorouracil, and leucovorin for metastatic colorectal cancer. *Invest New Drugs*. 2009 Apr; 27(2): 159-65.

Gonzalez ME, Makarova O, Peterson EA, Privette LM, Petty EM. Up-regulation of SEPT9\_v1 stabilizes c-Jun-N-terminal kinase and contributes to its pro-proliferative activity in mammary epithelial cells. *Cell Signal*. 2009 Apr; 21(4): 477-87.

Hildebrandt F, Heeringa SF. Specific podocin mutations determine age of onset of nephrotic syndrome all the way into adult life. *Kidney Int.* 2009 Apr; 75(7): 669-71.

Hou G, Dick R, Brewer GJ. Improvement in Dissolution of Liver Fibrosis in an Animal Model by Tetrathiomolybdate. *Exp Biol Med (Maywood).* 2009 Mar 23 (Epub ahead of print).

Omenn GS. A landmark systems analysis of prion disease of the brain. *Mol Syst Biol.* 2009; 5: 254.

Raskin L, Rennert G, Gruber SB. FOXP3 germline polymorphisms are not associated with risk of breast cancer. *Cancer Genet Cytogenet.* 2009 Apr 1; 190(1): 40-2.

Roy S, Raskin L, Raymond VM, Thibodeau SN, Mody RJ, Gruber SB. Pediatric duodenal cancer and biallelic mismatch repair gene mutations. *Pediatr Blood Cancer.* 2009 Mar 12 (Epub ahead of print).

Wu PY, Frit P, Meesala S, Dauvillier S, Modesti M, Andres SN, Huang Y, Sekiguchi J, Calsou P, Salles B, Junop MS. Structural and functional interaction between the human DNA repair proteins DNA Ligase IV and XRCC4. *Mol Cell Biol.* 2009 Mar 30 (Epub ahead of print).

Zhou W, Hildebrandt F. Molecular cloning and expression of phospholipase C epsilon 1 in zebrafish. *Gene Expr Patterns.* 2009 Mar 27 (Epub ahead of print).

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## Internal Medicine

### Infectious Diseases:

Collins KL. This bud's for Vpu. *Cell Host Microbe.* 2009 Mar 19; 5(3): 217-9.

Flinn DR, Malani PN. Infection Control in Long-Term Care Facilities: The Need for Engagement. *J Am Geriatr Soc.* 2009; 57(3): 569-570.

Harris L, Senagore P, Young VB, McCabe LR. Inflammatory bowel disease causes reversible suppression of osteoblast and chondrocyte function in mice. *Am J Physiol Gastrointest Liver Physiol.* 2009 Mar 19 (Epub ahead of print).

High KP, Bradley SF, Gravenstein S, Mehr DR, Quagliarello VJ, Richards C, Yoshikawa TT. Clinical Practice Guideline for the Evaluation of Fever and Infection in Older Adult Residents of Long-Term Care Facilities: 2008 Update by the Infectious Diseases Society of America (Reprinted from *Clinical Infectious Disease*, vol 48, pg 149-171, 2009). *J Am Geriatr Soc.* 2009; 57(3): 375-394.

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## Kresge Hearing Research Institute

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## Microbiology and Immunology

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Antonopoulos DA, Huse SM, Morrison HG, Schmidt TM, Sogin ML, Young VB. Reproducible Community Dynamics of the Gastrointestinal Microbiota Following Antibiotic Perturbation. *Infect Immun.* 2009 Mar 23 (Epub ahead of print).

Basma H, Soto-Gutiérrez A, Yannam GR, Liu L, Ito R, Yamamoto T, Ellis E, Carson SD, Sato S, Chen Y, Muirhead D, Navarro-Alvarez N, Wong RJ, Roy-Chowdhury J, Platt JL, Mercer DF, Miller JD, Strom SC, Kobayashi N, Fox IJ. Differentiation and transplantation of human embryonic stem cell-derived hepatocytes. *Gastroenterology.* 2009 Mar; 136(3): 990-9.

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.* 2009 Feb; 21(2): 153-67.

Chung KC, Swanson JA, Schmitz D, Sullivan D, Rohrich RJ. Introducing evidence-based medicine to plastic and reconstructive surgery. *Plast Reconstr Surg.* 2009 Apr; 123(4): 1385-9.

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Harris L, Senagore P, Young VB, McCabe LR. Inflammatory bowel disease causes reversible suppression of osteoblast and chondrocyte function in mice. *Am J Physiol Gastrointest Liver Physiol.* 2009 Mar 19 (Epub ahead of print).

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## Biomedical News • May 2009

Jones AC, Gu L, Sorrels CM, Sherman DH, Gerwick WH. New tricks from ancient algae: natural products biosynthesis in marine cyanobacteria. *Curr Opin Chem Biol.* 2009 Mar 21 (Epub ahead of print).

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