

chm research newsletter

CHM Associate Dean's Office of Research



Greetings,

Welcome to the second issue of the CHM Research Newsletter. Thank you for your generous comments regarding our first issue, and for your submissions since then. This newsletter will be a regular source of information about CHM research-related activities for all faculty, staff, students, and friends across the entire CHM network. Therefore, we need your help. If you have any research-related news (e.g., grants, published articles, presentations), have questions for our office, or know of any other information that you think would be important to include in this newsletter, please send them our way. This is an exciting time for CHM and we are looking forward to keeping you informed.

Best Regards,
Jeffrey Dwyer, PhD
Acting Associate Dean for Research

FEATURED RESEARCHER

Kay Taylor, PhD
Director of Research MSU – FAME
Hurley Medical Center, Flint

Dr. Taylor earned her PhD in Psychology from MSU in 1991, majoring in Community/Ecological Psychology with a dual minor in Developmental Psychology and Community Health Science. Her doctoral research focused on hospital-based prevention strategies for child abuse and neglect but her body of research has been diverse with published work in child maltreatment, elder abuse, community-based cancer screening programs (colorectal, prostate and breast cancers), recruitment of minorities into health promotion programs, the impact of second-hand smoke on childhood respiratory disease, trends of septicemia in elderly patients, association of acute myocardial infarction and depression, strategies to reduce hospital length of stay, and career planning initiatives with medical students and residents. Her current research interest is in evaluation of clinical competencies. She has published three manuscripts that detail strategies for curriculum development and the assessment of ACGME skills (Medical Education, Journal of Quality Assurance, and Medical Education Online).

Currently, Dr. Taylor is a co-Principal Investigator on an HIV screening project in Genesee County, funded by the Michigan Department of Community Health. Data generated using statewide prevalence estimates of HIV disease (including AIDS) per 100,000 population is 142.2 for the jurisdiction of the Genesee County Health Department. This is above the 50th percentile (89.65) of prevalence rates in Michigan. Genesee County is one of 17 counties/cities that account for 88% of the Michigan HIV/AIDS cases and 63% of Michigan's population. The goal is to achieve a high participation rate in this model screening and education program. Paramount to achieving this goal is careful planning. This planning includes the incorporation of proven recruitment strategies in the study design/methodology (well-trained staff, successful marketing techniques, patient incentives, etc.). The study team intends to develop and implement a strong patient education component. Possible teaching aids might include videos, DVDs, brochures, and one-on-one sessions with an HIV counselor.



MSU College of Human Medicine
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stay connected

The CHM Research Listserv

The CHM Research Listserv is an important and growing research communication tool for faculty, residents, students, and others that connects all of us across the campus network. Sign up today at <http://list.msu.edu/archives/chm-research.html>. The CHM Research Office will be using it to broadcast research announcements and news. Subscribers can post questions and research opportunities, highlight research accomplishments, request assistance, etc. Subscribe today and get some dialogue going!

Forwarding Your MSU E-Mail

This is important to do if you rarely check your MSU email address or prefer to use a different e-mail address as your primary email. If you don't set up the MSU address to forward to your primary address, you may miss out on important announcements, the CHM Research Newsletter, the CHM Research Listserv and other vital communications from the Office of Research and all of your colleagues. Simply follow these instructions:

1. Go to www.mail.msu.edu and log into your MSU e-mail inbox.
2. Click on "preferences"
3. Scroll down. On the left side, there will be a box for "forwarding address."
4. Type in your primary e-mail address.
5. Click on "update preferences" on the bottom center of the page.
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campus network news

■ Flint

Genesys Regional Medical Center is participating in a clinical trial of the OncoVue test, a new way to find out a woman's breast cancer risk through her DNA. Unlike testing for the BRCA gene, the OncoVue test is based on a set of genetic markers found in women who have had breast cancer, but who may not carry the BRCA gene. **Dr. Lindsay Gold**, Principal Investigator, hopes that it will lead to identifying a greater number of higher risk women earlier, a greater vigilance among women at moderate to high risk, and improved management for all women at risk of breast cancer. Ninety-one women have already been enrolled in the study, in a one month period, with 70 more on a waiting list. **Kim Barber, PhD**, Research Director, states that they can hardly keep up with the demand. Genesys is the only hospital in Michigan offering the test. For more info, go to <http://abclocal.go.com/wjrt/story?section=healthfirst&id=5619895>.

■ Grand Rapids

Bill Stratbucker, MD (lead presenter), with Janet Serwint, MD, Sue Fiegelman, MD, Jon Olsson, MD and Scott Krugman, MD, presented a workshop, *You CAN Do Research Within Your Continuity Clinic*, at the 2007 Pediatric Academic Societies Meeting in Toronto, Canada.

■ Kalamazoo

During summer 2006, **Colleen Calvey** and **Carolyn Mullonkal**, both now CHM Block III medical students, participated in research with **Dr. Luis Toledo**, KCMS, related to ischemia and reperfusion and have recently published articles in the Journal of Investigative Surgery. Toledo and Calvey published "Selectin inhibitors and their proposed role in ischemia and reperfusion" (*J Invest Surg* 2007 Mar-Apr;20(2):71-85). Toledo and Mullonkal published "Akt in ischemia and reperfusion" (*J Invest Surg*. 2007 May-Jun;20(3):195-203).

■ Lansing

Rae Schnuth, PhD, CHM Assistant Dean, Director of Clinical Curriculum Development and Saginaw Community Assistant Dean, has been appointed to serve on the MSU Women's Advisory Committee to the Provost (WACP) whose mission is to advise Provost Wilcox on matters of importance related to women at MSU. **Clare Luz, PhD** was recently elected Co-Chair of the WACP. The Provost has identified 3 areas in which the group will focus attention in 2007-08 including the recruitment and retention of women graduate students, support for female research productivity, and civility.

■ Saginaw

Thanks to **Dr. Patricia Obando**, Research Manager for recently hosting all of the CHM campus Research Directors for their quarterly meeting in Saginaw. Every campus was represented and exciting plans are in development for cross-campus research resources and collaborations.

■ Upper Peninsula

UPHEC hosted a five-day Grantsmanship Training Program, July 30 - August 3, 2007. The program was developed by The Grantsmanship Center (TGCI), the world's oldest and largest fund development training organization. It is designed for both novice and advanced grantseekers and is a hands-on learning experience that covers researching grants, writing grant proposals, and negotiating with funding sources. UPHEC staff members **Carolyn Weissbach** and **Jody Lindberg** attended the training.

ask the research office

Question: How do I get an MSU NetID and ID Card?

Answer: MSU Net IDs, ID cards, and email addresses are available at no cost to all MSU students, staff, faculty, and approved Community/Volunteer Adjunct faculty. They allow you to access many benefits including library privileges, computer store and athletic ticket discounts, MSU credit union membership, CEU credits and many more. For most, a NetID and e-mail address are assigned at orientation. They are not automatically assigned to Community/Adjunct Faculty who need to contact their Community Administrator for assistance with submitting the appropriate forms. The Community Administrator will either submit the forms on your behalf or provide you with complete instructions on how to do it yourself. If you want to have an ID card with a photo on it, visit Room 50 of the Administration Building at the East Lansing campus.

Question: Who are the Community Administrators?

Answer:

Flint

Kathy Assiff, M.A.
kassiff@msufame.msu.edu

Grand Rapids

Andrea Berry, M.P.A.
andrea_berry@grmerc.net

Kalamazoo

Harriet Roelof
roelof@kcms.msu.edu

Lansing

Karlene Torres
torresk@msu.edu

Saginaw

Bridget Hinds, M.L.P.A.
bhinds@synergymedical.org

Upper Peninsula

Patti Copley, R.N.
pcopley@mggh.org



research highlight



Donna Wang, PhD
CHM- Lansing
Department of Medicine

On August 7-9th, the **1st Institute of Electrical and Electronics Engineers (IEEE) International Conference on Nano/Molecular Medicine and Engineering** was held in Macau, China, and was co-chaired by CHM Professor **Donna Wang, PhD**. This conference was created to bring together leading researchers to focus on the advancement of biological and clinical sciences using engineering methods related to MEMS, Nano, and Molecular technologies. The topics encompassed everything from molecular nanotechnology and nanomachine tools to ion channels in cells and animals and humans. It is anticipated that the integration of nanotechnology, biological sciences, and medicine will have extraordinary implications for the medical profession and the improvement of human biological structure and function.

Nanotechnology & MSU

In collaboration with investigators in College of Engineering at MSU, CHM is developing unique and powerful nanotechnology for innovative investigation of biological systems in health and disease states. Examples of these tools include 1) the robotic atomic force microscopic system that will eventually enable us to identify and stimulate single receptors on a cell membrane and to observe consequences of receptor activation; 2) nanoparticles carrying genetic materials, proteins, or therapeutic agents for targeted and enhanced delivery of these materials for molecular interventions; and 3) biosensor array systems for continuous, real time, and in-situ measurement of hormones/neuronpeptides concentrations and for characterization of membrane receptors/ion channels. The goal is to understand the molecular basis of cardiovascular function in health and disease and to develop specific regimens for treatment of cardiovascular diseases.

FEATURED MENTOR

Laura Symonds, PhD
CHM - Lansing
Departments of Psychiatry and Radiology

Dr. Symonds runs a functional magnetic resonance imaging (fMRI) lab in the Radiology wing of the MSU Clinical Center. She came to MSU from the University of California at San Diego nearly 10 years ago at which time she set up a neuroimaging research program to investigate how a person's cognitive and emotional states can affect the level of pain a person feels. This is clinically important as individuals who are depressed feel pain more intensely and are more prone to developing a chronic pain disorder. Dr. Symonds's research in pain has led to several research grant awards and the mentoring of scores of students. From the beginning, she has been dedicated to the education and mentoring of undergraduate, graduate, and medical students as well as postdoctoral fellows and medical residents, and has individually worked with close to 200 MSU students. Many of these students have gone on to earn advanced degrees, and to become faculty members and employees in the private sector.

Dr. Symonds's laboratory personnel are drawn from several talented pools of MSU students including the Medical Scholars Program, the Advanced Baccalaureate Learning Experience

(ABLE) program, the Lyman Briggs Residential College, undergraduate Honors programs in various departments, and the Professorial Assistants program in the College of Natural Science. In addition, she regularly receives emails



from interested potential students who have learned of her lab through word of mouth or the internet. It is not unusual to pass by her one-room lab and see every one of the seven or so work stations occupied and a flurry of activity directed toward analyzing fMRI data, figuring out the proper statistical test, or debating the merits of a particular experimental design. Dr. Symonds considers each of the people in her lab to be equal participants in the lab projects, and most students with extended tenure in the lab lead their own projects, with the cooperation and help of others. Freshman undergraduates and second year postdoctoral fellows alike share in authorship of publications. The students unanimously express that they have a great time learning how to conduct research, and interacting with each other. Dr. Symonds herself believes that the opportunity to interact with so many students has enabled her to continue learning and growing as a cognitive neuroscience researcher, and she acknowledges that it is one of the most meaningful aspects of her job.



students and residents

■ **Jack Rubinstein, M.D.**, second year Fellow, Cardiovascular Diseases, Department of Medicine, Division of Cardiology, provides an excellent example of multidisciplinary research that includes faculty-student collaborations. He is interested in developing an assistive device that may someday help reduce falls. Falls are a leading cause of injury in the elderly population, many of them occurring between the bed and bathroom.

Dr. Rubinstein has been working with Clare Luz, PhD, CHM Office of Research, Tamara Reid Bush, PhD, College of Engineering, Department of Mechanical Engineering, and Lindsay Bockstiegel and Lindsay Kredo, Mechanical Engineering students, to conduct a market analysis and develop initial prototypes that will help determine next steps, including the possibility of field testing various designs.

For more information on potential research collaborators in Engineering, contact Peggy Wade, PhD, wadem@egr.msu.edu, 353-9492. Also, stay posted for updates on the development of the MSU Institute for Engineering and Health.

Dr. Rubinstein is also developing a puzzle designed to assist doctors, nurses, medical students, and other health care practitioners in improving their electrocardiogram interpretation skills. He has been working with **Gary Ferencick, M.D.**, Department of Medicine, to conduct IRB approved pilot tests on the effectiveness of this novel teaching technique compared to traditional methods of instruction. Results are forthcoming and will be reported in an upcoming CHM Research Newsletter.

■ **Alger County/Munising Community Health Study**
MSU Office of Outreach and Engagement and the MSU Extension awarded \$50,000 for the 2007 Alger County Community Health Study. Additional funders include Upper Peninsula Health Education Corporation, Medical Care Access Coalition and MSU CHM. There has been tremendous community support. The 15 Advisory Board Members made up of local health professionals and other community members have been active in planning and facilitating this opportunity to learn more about the health and well-being of the community. Medical students have played a critical role in the development of the project and data collection. They were highly visible in the community during distribution of the survey. Third year medical students spent two full days during the week of May 14th in Munising visiting nursing, assisted living, alternative care and other key facilities to assist community members in completing the survey. They gained hands-on research experience as well as a better understanding of elderly participants' needs.

■ **Helping Hands Grant**

Sarah Roberts, Year 4 CHM student, received a \$3,750 grant from the American Psychiatric Foundation to establish a postpartum depression screening and support program in the Upper Peninsula. Preliminary stages are underway for the project, and MGHS Family Birthing Center, Women's and Children's Center, UPHP, as well as other local agencies are providing in-kind support. Other students involved in this program are Frank Powers, Year 4; Davita Burkhead-Weiner, Year 3; Tihele Walkowsky, Year 3; Meredith Rumon, Year 3; and Dana Klope, Year 4. Sarah will also be conducting research as an elective during the month of September 2007, along with this study.

■ **Students Take Part in Summer Research Fellowship in Kalamazoo**

MSU/KCMS invited six undergraduate students to participate in a Summer Research Fellowship Program in Science and Humanities. Eleven students applied, six were selected based on their grades and curriculum accomplishments. Each student was paired with a faculty member and had the opportunity to work on a research project with their assigned mentor. **Dr. Luis Toledo** and his staff organized lectures, and introduced students to research, medical topics, the history of medicine, medical humanities, and careers in the field of medicine.

At the end of the fellowship, each student prepared an abstract of their research and gave an oral presentation. Several plan to present their findings at the 2008 Research Day in Kalamazoo.

For more information, please visit research.chm.msu.edu



Summer Research Program participants.



did you know about...

■ CHM Campus Research Directors

Every CHM Campus has a Research Director or Manager whose responsibility it is to facilitate research productivity, oversee research electives and coordinate the 3rd year Critical Appraisal and Analytic Medicine core competency course, among other tasks. The Directors are:

Flint: Kay Taylor, PhD - ktaylor1@hurleymc.com

Grand Rapids: Alan Davis, PhD - davis@msu.edu

Kalamazoo: Luis Toledo, MD, PhD, PhD - toledo@kcms.msu.edu

Lansing: Clare Luz, PhD - clare.luz@hc.msu.edu

Saginaw: Patricia Obando, PhD - patricia.obando@hc.msu.edu

Upper Peninsula: Jody Lindberg - jlindberg@mgh.org

■ Lunch with Jeff

The CHM Committee on Research (COR) and the Office of Research are sponsoring several informal—no agenda, no program—lunches to provide faculty and staff with ongoing opportunities to meet with Dr. Jeff Dwyer, Associate Dean for Research and other members of the Research Office, spend time together and discuss any and all issues related to research in CHM. It is an open forum during which faculty can voice concerns, questions, and suggestions on how CHM can support research efforts and facilitate research success. Lunches are scheduled for the following dates:

Tuesday, October 2

Tuesday, November 6

Rooms to be announced.

RSVPs appreciated for purposes of ordering food.

Please contact either Maureen Cullen (cullenm@msu.edu) or Jennifer Roy (royj@msu.edu) or call 432-4789 to let us know if you plan to attend!

■ **Community of Science (COS)**, is an important and useful electronic resource for CHM researchers! COS is an international, membership organization (MSU belongs through the Office of the Vice President for Research and Graduate Studies) that offers a variety of features including:

1) **COS Funding Opportunities:** A comprehensive funding information resource, with more than 22,000 records representing nearly 400,000 opportunities, worth over \$33 billion. Especially useful is the COS Funding Alert which can be set up to deliver weekly updates about relevant funding information directly to the user's desktop. User defined criteria (including KEYWORDS) allows COS Funding Alert to automatically scan the COS Funding Opportunities database for new and updated information about funding in the user's area of interest. Weekly updates are automatically sent, saving the need to initiate a search, and include the Title, Sponsor, Deadline, and Amount.

2) **COS Expertise:** COS Expertise is a database of first-person profiles of researchers at leading universities and other institutions involved in basic or applied research in a wide variety of disciplines. It is searchable by keywords, names and other fields including institution and college so you can look up researchers at MSU.

3) **COS Profile:** A COS Profile is a valuable professional tool that organizes your career and research information. All profiles are accessible through the COS Expertise database. NIH Biosketches can be automatically generated from your profile.

Visit <http://www.cos.com/> to learn more. You may need to create a "workbench" for yourself - see the left panel. If you need additional help, contact Sally Harris in the Research Office at 353-7217 or sally.harris@hc.msu.edu.

faculty survey reminder **For ALL CHM Faculty at ALL Campuses**

A Faculty Survey on Research has been sent to you from the CHM Dean, Marsha Rappley, M.D. All faculty at all campuses with at least a partial appointment/affiliation with CHM are asked to complete this survey, regardless of whether or not you conduct research. It will provide us with important information about the research activity, climate, challenges and needs across our campuses. Findings can be used by all of us to develop both central and campus-specific research resources for faculty, students and residents. The value of the findings is dependent on how good the response rate is. We need to hear from as many of you as possible. It will only take about 15 minutes and your responses will be confidential. Thank you in advance for your participation. The URL for the survey is https://www.surveymonkey.com/s.aspx?sm=J8FnyrGrrlUwRROqwdXA_3d_3d



publications

- Anderson JB, Luchtefeld M, Dujovny N, Hoedema R, Kim D, Butcher J. (2007) *A comparison of laparoscopic, hand-assist and open sigmoid resection in the treatment of diverticular disease.* Am J Surg 193:400-403.
- Bettendorf MJ, Mansour MA, **Davis AT**, Sugiyama GT, Cali RF, Gorsuch JM, Cuff RF. (2007) *Carotid angioplasty and stenting versus redo endarterectomy for recurrent stenosis.* Am J Surg 193:356-359.
- Birch, DW, **Mavis, B.** *A needs assessment study of undergraduate surgical education.* Canadian Journal of Surgery. 2006; 49(5): 335-340.
- **Davis, AT**, Monroe TJ. (2007) Unaltered gene expression of carnitine biosynthetic enzymes in mil-dronate treated rats. Nutr Res 27:225-229.
- **Sleight, D, Mavis, B.** Study aid use and academic performance among second-year medical students in problem-based learning. Medical Education Online [serial online]. 2006;11:23, Available from <http://www.med-ed-online.org>
- **Solomon DJ.** *The Role of Open Source Software in Open Access Publishing.* St. Amant K and Still B Eds. Handbook of Research on Open Source Software: Technological, Economic, and Social Perspective. Idea Group Inc May 2007.
- Symons JL, Kemmeter PR, **Davis AT**, Foote JA, Baker RS, Bettendorf MJ, Paulson JE. (2007) *A double-blinded, prospective randomized controlled trial of intraperitoneal bupivacaine in laparoscopic Roux-en-Y gastric bypass.* J Am Coll Surg 204:392-398.
- **Wagner, D. & Mavis, B.** *Comparing problem-based learning and lectures: Opinions of second year medical students.* Academic Exchange Quarterly. Winter 2006; 10(4): 1

presentations

- **Barletta, G., Bunchman, T.** *Rapid Discontinuation of Corticosteroids in Pediatric Renal Transplantation.* Presented at the 2007 Pediatric Academic Societies Meeting, Toronto, Canada, May 2007
- Krugman, S., Hobson, W., Garfunkel, L., Serwint, J., Parra-Roide, L. *Hispanic Patients Receive High Quality Care in Resident Continuity Practices: A CORNET Study, for the CORNET Investigators* (including **Bill Stratbucker, MD**). Presented at the Pediatric Academic Societies Meeting, Toronto, Canada, May 2007
- **Pearson, R.,** Kendzierski, S. & **Mavis, B.** *Parent to parent: Can parent liaisons increase parental awareness, involvement and use of school-based/school-linked health centers?* Presented at the annual meeting of the National Assembly of School-Based Health Care, Washington DC, June 28, 2007.
- **Luz, C.** A Pilot Nursing Home Dining Assistance Program. Presented at the Festival of International Conferences on Caregiving, Disability, Aging and Technology in Toronto, Canada, June 19, 2007.
- **Solomon, DJ.** *New Models of Peer Review: Implications for the different roles journals play in scholarly communities.* Presented at the First International PKP Scholarly Publishing Conference, Vancouver, July 2007.
- **Dobies, D,** *Predictors of stent thrombosis in real-world use of drug-eluting stents: the TAXUS-ARRIVE trial.* Presented at the annual Paris Course on Revascularization (EuroPCR) meeting, May 2007, in Barcelona, Spain. In attendance, **Kim Barber, PhD**, Director of Research, Genesys Regional Medical Center.



grants

Abela, George S; Medicine; \$5,000; Laser Stabilization of Arterial Injury to Prevent Thrombosis in Stents; A Ward Ford Memorial Institute

Arnosti, David N; Biochemistry & Molecular Biology CNS; Chiu, Chichia C; \$204,516; Molecular Analysis of Transcriptional Repression; NIH/PHS

Arnosti, David N; Biochemistry & Molecular Biology CNS; Henry, Ronald William; \$280,366; Analysis of the COP9 Signalosome for Retinoblastoma Function; NIH/PHS

Atchison, William D; Pharmacology & Toxicology CVM; Fink, Gregory D; \$143,176; Mechanisms of PB-Induced Hypertension: Role of Altered Calcium Homeostasis; Natl Inst of Environ Health Sci

Benning, Christoph; Biochemistry & Molecular Biology CNS; \$130,000; Regulation of Oil Biosynthesis in Algae; Air Force Office of Scientific Research

Bozoki, Andrea C; Neurology & Ophthalmology COM; \$7,937; Capacity to Appoint a Proxy for Research Consent; University of Michigan

Britton, Robert A; Microbiology & Molecular Genetics CNS; \$170,000; Career: GTPASE Control of Ribosome Biogenesis; NSF

Busik, Julia V; Physiology CNS; \$125,000; Dyslipidemia and Diabetic Retinopathy; Juvenile Diabetes Research Foundation

Chen, Alex F Y; Pharmacology & Toxicology CHM; \$44,976; GTP Cyclohydrolase I and Carotid Artery Restenosis in Normotensive and Hypertensive Mice; Amer Heart Association

Chen, Alex F Y; Pharmacology & Toxicology CHM; \$21,796; The Effect of Oxidative Stress on Endothelial Progenitor Cell Reduction in Salt-Sensitive Hypertension; Amer Heart Association

Conley, Barbara Ann; Medicine; \$17,436; Phase I Dose-Escalation Study of Oral Ski-606 in Subjects with Advanced Malignant Solid Tumors; Wyeth Pharmaceuticals Inc

Della Penna, Dean; Biochemistry & Molecular Biology CNS; \$200,000; Mapping, Cloning and Understanding Qtls for Seed Carotenoids in Arabidopsis; Intl Food Policy Research Institute

Dillon, Patrick F; Physiology CNS; \$1,000; Electrophoretic Termination of Molecular Binding; Society of Sigma Xi

Dimitrov, Nikolay V; Medicine; \$1,000; Randomized, Double-Blind Trial Comparing Arimidex Alone with Nolvadex Alone, with Arimidex & Nolvadex in Combination; Zeneca Inc.

Friderici, Karen H; Microbiology & Molecular Genetics CHM; Thiem, Suzanne M; \$328,487; Autosomal Dominant Hearing Loss; Natl Inst Deafness & Oth Comm Disorders

Friderici, Karen H; Microbiology & Molecular Genetics CNS; Nigg, Joel T; Rappley, Marsha D; \$382,649; Genetics of ADHD: Haplotype and Endophenotype Approaches; NIH/PHS

Gallo, Kathleen Ann; Physiology CHM; \$2,000; Summer Student Fellows; Parkinson's Disease Foundation

Garavito, R Michael; Biochemistry & Molecular Biology CNS; \$99,309; Functional Analysis of Cyclooxygenase -2; Vanderbilt University

Garrity, George; Microbiology & Molecular Genetics CNS; \$38,115; Support of Bergey's Manual Trust Editorial Office; Bergey's Manual Trust



grants

Given, Charles W; Family Medicine; Given, Barbara A; Rahbar Mohammad H; Sikorskii, Alla; Conley, Barbara Ann; \$581,407; Automated Telephone Monitoring for Symptom Management; NIH/PHS

Gossain, Ved V; Medicine; \$265; The Global Hypopituitary Control and Complications Study (HYPOCCS); Eli Lilly Company

Gossain, Ved V; Medicine; \$265; The Global Hypopituitary Control and Complications Study (HYPOCCS); Eli Lilly Company

Gossain, Ved V; Medicine; \$530; The Global Hypopituitary Control and Complications Study (HYPOCCS); Eli Lilly Company

Gossain, Ved V; Medicine; \$530; The Global Hypopituitary Control and Complications Study (HYPOCCS); Eli Lilly Company

Gossain, Ved V; Medicine; \$755; The Global Hypopituitary Control and Complications Study (HYPOCCS); Eli Lilly Company

Goudreau, John L; Neurology & Ophthalmology COM; Ackerman, Glen N; Sikorskii, Alla; \$40,770; Michigan State University Parkinson Disease Clinical Center; Natl Inst Neuro & Comm Dis & Strokes

Goudreau, John L; Neurology & Ophthalmology COM; \$16,663; A Multicenter, Double-Blind, Randomized Start, Placebo-Controlled, Parallel-Group Study to Assess Rasagiline as a; Teva Neuroscience Inc

Goudreau, John L; Neurology & Ophthalmology COM; \$25,881; A Multicenter, Double-Blind, Randomized Start, Placebo-Controlled, Parallel-Group Study to Assess Rasagiline as a; Teva Neuroscience Inc

Haslam, Sandra Z; Physiology CHM; Atkin, Charles K; Conrad, Susan; Whitten, Pamela S; Osuch, Janet Rose; Smith, Sandi W; \$761,355; Breast Cancer and the Environment Research Center; Natl Inst of Environ Health Sci

Haslam, Sandra Z; Physiology CHM; Gallo, Kathleen Ann; Yuzbasiyan-Gurkan, Vilma; Kiupel, Matti; \$266,496; Role of Stroma in Mammary Cell Proliferation; NIH/PHS

Hausinger, Robert P; Biochemistry & Molecular Biology MAES; \$282,935; Characterization of Fe(11)/Alpha-Ketoglutarate-Dependent Hydroxylases; NIH/PHS

Haut, Roger; Osteopathic Manipulative Medicine; \$50,000; Footwear Biomechanics; Wolverine World Wide

Havlichek, Daniel; Medicine; \$625; Linezoid in the Treatment of Subjects with Complicated Skin and Soft Tissue Infections; Pfizer Inc

Hollingsworth, Rawle; Biochemistry & Molecular Biology CNS; \$65,000; Characterization, Refinement and Economic Evaluation of Process for the Recovery and Separation of Pentose Sugars from P; MI Univ Comm Init Challenge Fund

Hoogstraten, Charles G; Biochemistry & Molecular Biology CNS; \$29,038; Analysis of RNA Dynamics Using 13C NMR Spin Relaxation Techniques; NIH/PHS

Jennings, Peter J; Pediatrics & Human Development; \$3,000; Community Giving Program Grant; Target Stores

Jordan, Cynthia Lee; Neuroscience Program; \$31,322; Novel Model of Spinal Bulbar Muscular Atrophy; NIH/PHS

Jordan, Cynthia Lee; Neuroscience Program; \$50,992; Androgen Targets in a Simple Behavioral System; NIH/PHS

Kuhn, Leslie A; Biochemistry & Molecular Biology CNS; \$108,000; ASCBASE: A Searchable Database of Complementarity between Ligand Fragments and Protein Binding Sites; Pfizer Inc

Kulkarni, Roshni; Pediatrics & Human Development; \$61,452; IP Agreement; Centers for Disease Control PHS



grants

Kulkarni, Roshni; Pediatrics & Human Development; \$2,400; A Retrospective Study to Describe the Incidence of Moderate to Severe Allergic Reactions to Factor IX in Patients with; Wyeth Pharmaceuticals Inc

Mackenzie, Charles; Pathobiology & Diagnostic Investigation CVM; \$4,376; Gates Filariasis; University of Georgia

Mackenzie, Charles; Pathobiology & Diagnostic Investigation CVM; \$40,000; Three Year Assessment of MDA; GlaxoSmithKline

Majid, Arshad; Neurology & Ophthalmology COM; \$6,200; A Double-Blind, Randomized, Placebo-Controlled, Parallel-Group, Multicenter, Phase IIB Study to Assess the Safety and to; Astra Zeneca

Majid, Arshad; Neurology & Ophthalmology COM; \$18,850; A Double-Blind, Randomized, Placebo Controlled, Parallel Group, Multicenter, Phase IIB/III Study to Assess the Efficacy; Astra Zeneca

Majid, Arshad; Neurology & Ophthalmology COM; \$2,000; Clinical Trial to Increase TPA Use in Stroke Treatment (Instinct Trial); University of Michigan

Mansfield, Linda S; Microbiology & Molecular Genetics CVM; \$103,559; Murine Models to Test Parasite Products as Cures for Inflammatory Bowel Disease; NIH/PHS

Martin, Jayne Heather-Ward; Neurology & Ophthalmology COM; \$10,086; A Phase II, Randomized, Double-Blinded, Placebo-Controlled, Multi-Center, Study of Subcutaneous Daclizumab in Patients; Protein Design Labs Inc

McCabe, Laura R; Physiology COM; \$318,078; Diabetes/Osmotic Influences on Osteoblast Phenotype; NIH/PHS

Meek, Katheryn Diane; Pathobiology & Diagnostic Investigation CVM; \$243,639; Defining Relevant Targets of the DNA Dependent Protein Kinase; NIH/PHS

Messman, Richard A; Medicine; \$9,850; NSABP-T Ind 090; Natl Surgical Adj Brst & Bwl Proj Fdn

Messman, Richard A; Medicine; \$22,150; NSABP-T Ind 090; Natl Surgical Adj Brst & Bwl Proj Fdn

Mohankumar, Puliyyur S; Pathobiology & Diagnostic Investigation CVM; Mohankumar, Sheba; \$240,458; Effects of Chronic Estrogen on Tida Neurons, Role of Cytokines and No; NIH/PHS

Monson, Carol Lynn; Family & Community Medicine; Greenberg, Joel S; \$39,676; Academic Administrative Units in Primary Care-FM and Peds; Health Resources & Services Admin PHS

Mundt, Charles Joseph; Health Care Studies, Institute for CHM; \$22,338; A Sub-Contract with University of Louisville to Provide Consultation in Newborn Screening Record Linkage; University of Louisville

Netzloff, Michael L; Pediatrics & Human Development; \$750; National Cooperative Growth Study; Genentech Inc.

Omar, Said; Pediatrics & Human Development; \$8,392; Antibiotic Induced Feeding Intolerance in Newborns; Edward W Sparrow Hospital

Paneth, Nigel; Epidemiology; \$11,617; Molecular Antecedents of Brain Damage in Preterm Infants; Children's Hospital of Boston

Paneth, Nigel; Epidemiology; Davies, Herbert O; \$351,912; Training Program in Perinatal Epidemiology; NIH/PHS

Pivarnik, James M; Kinesiology; \$7,200; Development of a Treadmill Test to Determine Aerobic Fitness in Michigan Department of Natural Resources Firefighters; MI Natural Resources



grants

Rahbar Mohammad H; Epidemiology; \$600,000; Data Coordinating Center for Autism and Other Disabilities; Centers for Disease Control PHS

Reusch, Rosetta N; Microbiology & Molecular Genetics CNS; \$170,000; Polyhydroxybutyrate/Polyphosphate Complexes as Conductive Cores of Protein Ion Transporters; NSF

Roman, LeeAnne W; Obstetrics Gynecology & Reproductive Bio; Holmes, Denise L; Nettleman, Mary Dekker; Holtrop, Jodi S; Vasilenko, Peter; Gardiner, Joseph; \$678,763; Michigan Families Medicaid Project; MI Community Health

Roth, Robert A; Pharmacology & Toxicology CVM; Ganey, Patricia E; LaPres, John J; \$278,580; Neutrophils and Hepatotoxicity; NIH/PHS

Schneider, Stephen P; Physiology COM; \$295,023; Mechanisms of Local Synaptic Transmission in Dorsal Horn; NIH/PHS

Schwartz, Kenneth A; Medicine; \$300; A Multicenter, Randomized, Open-Label Study Comparing Two Alternative Dosing Regimens of Subcutan; Pharmion Corporation

Schwartz, Kenneth A; Medicine; \$895; A Multicenter, Randomized, Open-Label Study Comparing Two Alternative Dosing Regimens of Subcutan; Pharmion Corporation

Slomski, Carol A; Surgery; \$25,200; NSABP Star; Natl Surgical Adj Brst & Bwl Proj Fdn

Stein, Gary; Medicine; \$80,385; Ex-Vivo Analysis of Tigecycline in Surgical Patients: An Evaluation of Its Eradication Potential against Tissue Pathogen; Wyeth Pharmaceuticals Inc

Taylor, Terrie E; Internal Medicine COM; Birbeck, Gretchen Lane; Demarco, James Kevin; Wenjiang J; Potchen, Michael J; \$346,395; Clinicopathological Correlates of Cerebral Malaria; Natl Inst of Allergy & Infec Dis NIH/PHS

Thompson, Margaret E; Human Medicine Dean; **Noel, Mary M;** **Mavis, Brian E;** \$10,000; What Is Happening to Standardized Patients, Changing Health Behavior and Raising Patient Expectations; Blue Cross Blue Shield of Michigan Fdtn.

Voice, Thomas; Institute of International Health; **Long, David T;** \$144,500; Training and Research in Environmental Health in the Balkans; Fogarty Intl Center -NIH/PHS

Voice, Thomas; Civil & Environmental Engineering; Tarabara, V V; Bruening, Merlin L; \$462,140; USA-Ukraine-France-Russia Partnership New Generation Synthetic Membranes: Nanotechnology for Drinking Water Safety; NSF

Wang, Donna H; Medicine; \$212,629; Renal Angiotensin II Receptor and Sodium Intake; NIH/PHS

Wang, Hongbing; Physiology CNS; \$304,487; Regulation of BDNF Expression by Calcium-Stimulated Protein Kinases; NIH/PHS

Watson, Ralph E; Medicine; \$170,145; Endothelin Actions on Vascular Function in Hypertension; Natl Heart Lung Blood Inst NIH/PHS

Watts, Stephanie W; Pharmacology & Toxicology COM; \$321,115; Arterial 5-Ht Transporter Function; NIH/PHS
Wilkerson, Curtis G; Research Technology Support Facility; \$211,515; Integrated Biomedical Technology; University of Michigan

Xiao, Hua; Physiology/Human Pathology CHM; \$44,125; The Role of a Transcription Cofactor, Tip30, in Tumorigenesis; NIH/PHS

Yan, Honggao; Biochemistry & Molecular Biology CNS; \$292,011; Structure and Mechanism of Folate Biosynthetic Enzymes; NIH/PHS

Yassin-Kassab, Mounzer; Neurology & Ophthalmology COM; \$2,500; Multi-Modality Neuro Imaging During Headache-Free Intervals in Migraineurs; Natl Headache Foundation



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Please excuse our mess!

This newsletter is still a work in progress, and we really want and need feedback! Please let us know what you think of any part of our newsletter - layout, section formats, readability, anything at all!

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Publication Schedule and Guidelines

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Publication Date: October 10th

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