

chm research newsletter

CHM Associate Dean's Office of Research



Greetings,

Welcome to the first edition of the CHM Research Newsletter, with timely research news "at-a-glance" for a quick and easy read. We hope that it will become an important venue for:

- Showcasing the research accomplishments of CHM faculty, residents and students across our whole network of campuses.
- Enhancing communication about research-related initiatives, issues and opportunities
- Providing a forum for dialogue related to research among administration, faculty, residents, students and staff.

The success of the newsletter rests heavily on you letting us know about your research activity and what's on your mind. If you have any research achievements or news, please tell us. We want to recognize you and all that you're doing. The plan is to send the newsletter to all faculty, staff and students on a monthly basis by email as well as posting it on our website and listserv. All feedback is welcome. I look forward to hearing from you and to ever better communication and collaboration.

Best Regards,
Jeffrey Dwyer, PhD
Associate Dean for Research

MSU College of Human Medicine
RESEARCH
research.chm.msu.edu

July 2007
Volume 1 Issue 1

stay connected

The CHM Research Listserv
Over 300 subscribers already!

Sign up today at <http://list.msu.edu/archives/chm-research.html> for this important research communication tool for faculty, residents, students, and others that can connect all of us across the campus network. 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. We urge you to join the list, tell others to join, then post messages and get some dialogue going.

FEATURED RESEARCHER

Rich Martin, M.D., M.A.

Associate Professor
Department of Medicine, Grand Rapids

A 1986 CHM graduate, and physician scientist, Dr. Martin completed his residency in primary care internal medicine at the University of Rochester and a rheumatology fellowship at Mayo Clinic before joining CHM faculty in Grand Rapids. He has since completed a M.A. in Educational Psychology (MSU) and the CHM TRECOS Clinical Epidemiology Post-doctoral Fellowship. Currently, Dr. Martin is senior partner at the Arthritis Education & Treatment Center in Grand Rapids, a five physician community rheumatology practice, and is an active and accomplished researcher. With a MSU Strategic Partnership Grant, through the CHM Office of Research, he is assessing Health Literacy in RA Patient Decision Making with **Margaret Holmes-Rovner, PhD**, CHM, Lois Bader, PhD, Capital Area Literacy Center, and Tenko Raykov,

PhD, MSU College of Education, Measurement and Quantitative Studies. He and the Office of Research are jointly recruiting a 2 year post-doctoral fellow in health psychology / decision sciences to expand related research. Dr. Martin also has a broad clinical investigation program related to biologic therapies in RA, Psoriatic Arthritis, Scleroderma, Raynauds, Systemic Lupus and dermato/polymyositis. A NIH sponsored clinical trial of Rituxan (anti CD-20) for adult and pediatric dermato/polymyositis is underway with former student/mentee and new partner **Aaron Eggebeen, M.D.** (CHM -1991) serving as Principal Investigator. Dr. Martin has a long, strong history of working closely with CHM to develop as a clinical investigator and build academic-community partnerships. He now provides an excellent model for conducting practice-based clinical translational research.



MSU College of Human Medicine
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campus network news

■ Flint

Kay Taylor, PhD, Hurley Medical Center, has overseen development of new web-based learning modules, now available to Hurley residency programs. Residents and faculty can complete such topics as ACGME Competencies, Sleep Deprivation, Scientific Writing and Stress Management on their own schedule. More topics are in development. Each module includes an evaluation component and early findings indicate that the modules are an efficient and effective learning tool. For more information, contact Laura McCoy at LauraMcCoy@hurleymc.com.

■ Grand Rapids

The Department of Emergency Medicine had eight abstracts accepted for the American College of Emergency Physicians Fall Research Forum in Seattle. Abstracts will be published in the October issue of *Annals of Emergency Medicine*.

■ Kalamazoo

Luis Toledo, M.D., PhD, PhD, KCMS Research Director, recently spoke with the Student Research Interest Group on pursuing a research career, integrating research into a clinical career, and the importance of research and the humanities in medicine. His book, *Vignettes on Surgery, History and Humanities*, illustrates the role of discovery in current and future clinical practice.

■ Lansing

Mary Nettleman, M.D., Chair, Department of Medicine, presented a seminar on "Assessment of Risks and Benefits: The Key Concept of Minimal Risk." as part of an IRB-related series offered by the MSU Office of Vice President for Research and Graduate Studies.

■ Saginaw

John Clements has rejoined the Synergy Research team as a consultant to provide faculty with grant writing support. He previously served as the Research Director for the CHM Saginaw campus. Welcome back, John!

■ Upper Peninsula

The Munising Community Health Study (MCHS) kicked-off its second year in May with surveys mailed to all Alger County households. This longitudinal study represents a CHM-Community Partnership involving UPHEC, CHM medical students and residents, MSU Extension, and multiple agencies. Data are collected on the health related status, behaviors, service utilization, and needs of all adults 18 and older. Findings will be used to inform health services practice and policies. Three other counties have expressed interest in replicating the study. **Jeff Dwyer, PhD**, is the Principal Investigator.

FEATURED MENTOR

Michael Boivin, Ph.D., M.P.H.
Associate Professor, Neurology
Member, Core Faculty, International Neurological and Psychiatric Epidemiology Program

The SEQL (Spirituality, Emotional Well-being & Quality of Life) Project, (Dr. Janet Osuch, MD Co-Principal Investigator) examines the comparative impact of breast cancer and its treatment on spiritual well-being, depression, anxiety, social support, quality of life, neuropsychological functioning, and immunological resilience. The design includes several arms, with women who have undergone different treatment protocols. It also includes a small sample of breast cancer survivors for comparison, as well as women who have recently undergone breast biopsy that was found to be non-cancerous.

Dr. Boivin has enlisted the assistance of undergraduate and medical students all of whom are actively involved in the research. Three of the students have been selected for the McInay-Guthrie/Sanborn Summer Research Awards (see page 4) to support an intense, mentored summer research experience. One of these students is working under the supervision of **Laura Symonds, PhD** on an fMRI brain activation component to the SEQL study. In addition, these students will learn how to be mentors themselves, as they work with the undergraduate students, most of whom are MSU Lane Program scholars.



did you know about...

The Office of Clinical Research?

The Office of Clinical Research (OCR) is a core facility under the MSU VP for Research and Graduate Studies, established in 2007 to assist clinical researchers by facilitating the research processes of industry and government-funded clinical research conducted through MSU and its community partners. OCR is also working on expediting the research administration process and helping MSU meet research compliance requirements. This is an important new resource, especially given the increasingly complex process of clinical research in an environment of restrictive funding and stringent regulatory requirements. Visit <http://www.clinicalresearch.msu.edu/> for more information on available services.

The Committee on Research?

CHM has an elected standing Committee on Research (COR). Its mission is to provide a faculty forum for the generation and discussion of college policies and programs regarding research and to advise the Dean on these matters. 2006-07 COR members include **Mark Delano, MD**, Chair (Radiology), **Barbara Conley, MD** (Medicine), **Francesca Dwamena, MD** (Medicine), **Rebecca Henry, PhD** (OMERAD), **Jeffrey Dwyer, PhD** and **Clare Luz, PhD** (Office of Research). The COR will soon be sponsoring events including mixers, time with the Associate Dean for Research, and other opportunities to build dialogue across units, faculty, students, administration and campuses. For more info, contact **Jennifer Roy** at royj@msu.edu.

The Student Research Interest Group?

A CHM Student Research Interest Group (SRIG) was started 2 years ago by **Robert VanHaren** and **Sharon Chan**. Current Chair **Michele Gilmer**, is recruiting other students to help. The SRIG, sponsored by the CHM Office of Research with Clare Luz serving as Faculty Advisor, provides a forum for students to learn about and discuss research-related issues and opportunities and to network with other students interested in research. Meeting dates and times are posted on the listserv. Participation from multiple locations can be arranged. For more info, contact Michele Gilmer at gilmermi@msu.edu.

ask the research office Frequently Asked Questions - and Answers

Question: Does the Research Office provide "bridging funds" for CHM investigators that are between grants?

Answer: A small amount of money is available for this purpose. Funding is decided on a case by case basis and is predicated on past performance and future potential. The amount and disbursement schedule must be requested through and approved by Associate Dean Dwyer.

Question: Does the Research Office provide assistance with writing grant applications?

Answer: We can assist with budget development and provide templates for some forms, but do not participate directly in writing or designing the research plan of an application.

Question: How can I get help with the statistical plan necessary for my research grant application?

Answer: Several statistical consulting services exist to support biomedical researchers. CSTAT (cstat.msu.edu) can assist with routine statistical methods or direct you to an appropriate expert consultant. BRIC (bric.msu.edu) provides informatics support and expertise for research projects with large data handling needs.



students and residents

■ McInay-Guthrie/Sanborn Fund Winners

Congratulations to **Chioma Atueyi, David Chao, David Ishiyama, Christine Liszewski, Piro Lito, and Donna Tyungu** who recently received the 4th annual CHM Office of Research summer cancer research awards. Made possible through the estates of Ruth A. McInay, a former MSU Agricultural Extension Home Economics Agent and Barbara Guthrie, in memory of her friend Mr. Gale Sanborn, each student receives \$2500 to support an intensive, mentored research experience related to cancer and oncology. Their research Mentors each receive \$500. For more information on these awards, contact Jennifer Roy at royj@msu.edu.

■ **Piro Lito**, a fourth-year CHM MD/PhD student, has been appointed as the American Physician Scientist Association (APSA) Institutional Representative for MSU CHM from July 1, 2007 – June 30, 2008. He will serve as a liaison between APSA and the CHM student community, reporting on research events and opportunities and providing a voice for MSU students within the APSA. Congratulations, Piro! www.physicianscientists.org

■ **Elizabeth Struble** presented a poster at the American College of Physicians, National Annual Meeting in San Diego, CA on *Michigan Primary Care Physicians' Attitudes and Practices Regarding Spirituality and Religion in Medicine*, held from April 19-21.

Authors: Elizabeth Struble and Clare Luz, PhD

■ Family Medicine Research Day Awards

Katherine Clark and **Kwasi KariKari** won the Best Family Medicine Research Poster Presentation award at the Michigan Family Medicine Research Day XXX - May 24, 2007 for *Attitudes, Experiences, and Interest in Geriatrics Among First Year Allopathic and Osteopathic Medical Students*.

Authors: Shannon J. Voogt, BA, Kwasi KariKari, MS, Katherine E. Clark, BS, and Maureen Mickus, PhD.

Dean McFarlane-Parrott won the Best Presentation by a Student award at the event for his presentation *Practice Utilization of a Community Health Education Referral Liaison (CHERL)*

Authors: Dean McFarlane-Parrott, Jodi Summers Holtrop, PhD, Steven Dosh, MD, Trissa Torres, MD

research days

FAME, GMEI, GRMERC, KCMS and **Synergy** all recently sponsored successful Research Days. These are terrific opportunities to showcase resident and student research. Many thanks to all of the coordinators, judges, sponsors, participating faculty, residents, and students, attendees, and mentors who helped to make these events such a success. Congratulations to all of the winners. For detailed information on each of the Research Days and all of the winners, please visit research.chm.msu.edu

Sixth Annual Pediatric Research Day

Ninety participants and presenters gathered in April 2007 for the Sixth Annual Department of Pediatrics Research Day at the Kellogg Center on MSU's East Lansing campus. The Department was particularly delighted to welcome faculty, staff and students from the Wayne State University Department of Pediatrics to participate in Research Day for the first time.



Research Day Lansing



presentations

■ Original Research Quality Improvement Track
Evaluation of Inpatient Mortality Associated with Nesiritide and Other Vasoactive Medications for Acute Decompensated Heart Failure: An Analysis Using the Acute Decompensated Heart Failure National Registry (ADHERE) at a Local Hospital
Raj Dasgupta, MD; Kate Meriwether, MS III; Deborah Lim, MD; Allen Shoemaker, PhD; **Tom Summerfelt, PhD;** Karen Postema, CRC; Sandra Chase, Pharm D; **David Langholz, MD,** FACC. Presented at the American College of Physicians (ACP) National Annual Meeting in San Diego, CA.

In addition, Raj Dasgupta is the first person to win this award two years in a row. Congratulations, Dr. Dasgupta!

■ *Proton Pump Inhibitor Use By Hospital Inpatients As a Risk for Nosocomial Infection By Clostridium Difficile*
Raj Dasgupta, MD; Kate Meriwether, MS II; Kimberly Daugherty, Pharm D; Allen Shoemaker, PhD; **Tom Summerfelt, PhD.** Presented at the ACP National Annual Meeting in San Diego, California.

■ Resident Clinical Vignette Competition
One Diagnosis to Bind Them All: A Case of Mollaret's Meningitis. **Richa Mahajan; Robert Camp, MD.** Presented at the ACP National Annual Meeting in San Diego, California.

■ Medical Student Clinical Vignette Competition
Lamb's Excrescence: A Poorly Defined Source of Cerebral Emboli. **Henry Ra,** (student member); **Raj Dasgupta, MD** (associate member); John O'Donnell, MD, FACP. Presented at the ACP National Annual Meeting in San Diego, California.

■ *Central Diabetes Insipidus and Antimalarial Mefloquine - Is There Any Association?* **Nimrit Sandhu-Goraya, MD; Jadvinder Goraya, MD; J. David Faichney, MD.** Presented at American College of Physicians - Michigan Associates Meeting in East Lansing, Michigan.

■ *Changing the Learning Environment Through Technology.* Hageman, H., Noll, K., Caputo, M., **Plantegenest, G., Mavis, B.,** Karr, M. & Paolo, A. Presented at the annual meeting of the Central Group on Educational Affairs, Association of American Medical Colleges, Indianapolis IN, March 23, 2007.

■ *Restructuring Residency Director Surveys to Incorporate ACGME Competencies.* Dottl, S.L., **Mavis, B.** & Bragg, D. Presented at the annual meeting of the Central Group on Educational Affairs, Association of American Medical Colleges, Indianapolis IN, March 24, 2007.

■ *Voices from the Front: Recruitment and Retention of Direct Care Workers in Long Term Care.* **Clare Luz, PhD** & Maureen Mickus, PhD, Western Michigan University. Presented at the Commonwealth Fund Colloquium on Long-Term Care, June 2 and the Academy Health Annual Research Meeting in Orlando, FL, June 3, 2007.

■ *Michigan Adult Abuse and Neglect Prevention Program.* **Clare Luz,** MSU, Lauren Swanson, OSA, Heather Picotte, Cathy Macomber, and Marla DeVries, BEAM. Presented at the CMS Background Check Pilot State Conference, June 13, 2007, in Baltimore, Maryland.

■ *Social Security, Elderly Divorced Women Living Arrangements, and Changes in Health Status.* **Cristian Meghea,** PhD. Presented at IHEA (International Health Economics Association) 6th Congress on Health Economics in Copenhagen, Denmark, July 8-11, 2007

■ *The Effect of a Community Health Worker Home Visiting Randomized Trial on the Health of Newborn Children.* **Cristian Meghea,** PhD. Co-author: **Lee Anne Roman, PhD.** Presented at IHEA 6th Congress on Health Economics in Copenhagen, Denmark, July 8-11, 2007

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.

honors

Brian Mavis, Ph.D. received the 2007 Laureate Award from the Central Group on Educational Affairs (CGEA), a regional affiliate of the American Association of Medical Colleges (AAMC). This award is the highest honor bestowed by the CGEA and recognizes the recipient for significant contributions to the organization as well as to the field of medical education. The award recognizes Brian's longstanding leadership in the CGEA and his national reputation in the field. As an associate professor and director of OMERAD, Brian leads the college's program outcomes studies and mentors faculty pursuing scholarship in medical education.

Rich Martin, M.D., M.A. Associate Professor, Department of Medicine, Grand Rapids was selected to participate in an inaugural fellowship program, the Institute for Informed Patient Choice, sponsored by the Dartmouth Center for Evaluative Clinical Sciences. Its purpose was to link the world leaders in patient decision making and the development of patient decision support systems to the "next generation" of clinical and cognitive scientists in a multi-year mentoring program. This competitive, intensive two-week program, funded by the Agency for Health Research & Quality (AHRQ), focused on clarifying patient values and preferences and dealing with probabilistic uncertainty in patient decision making. The role of health care workers in supporting patient decision making and health policy will be addressed in subsequent years. Dr. Martin stated that his fellowship experience was invaluable and will directly affect the course of his research related to patient decision quality and medication safety/adherence. It has already led to collaborations with colleagues at the University of Oregon John Eisenberg Center for Clinical Decision Making and Brown University related to osteoporosis and rheumatoid arthritis decision aid development and testing.

grants

- **Barry, Henry C**; Family Practice; \$222,575; Michigan Clinical Research Collaboratory (MCRC) Project; University of Michigan
- **Chen, Alex F Y**; Pharmacology & Toxicology CHM; \$26,000; The Effect of Oxidative Stress on Endothelial Progenitor Cell Reduction in Salt-Sensitive Hypertension; American Heart Association
- **Chen, Alex F Y**; Pharmacology & Toxicology CHM; \$43,476; GTP Cyclohydrolase I Regulation of Resistance Artery Function in Hypertensive Mice; American Heart Association
- **Chen, Alex F Y**; Pharmacology & Toxicology CHM; \$66,000; GTP Cyclohydrolase I Regulation of Cerebrovascular Function in Hypertension; American Heart Association
- **Eggenberger, Eric R**; Neurology & Ophthalmology COM; \$7,645; An Open-Label, Multicenter, Extension Study to Evaluate the Safety and Tolerability of Natalizumab Following Re-Initiate; Biogen, Inc.
- **Eggenberger, Eric R**; Neurology & Ophthalmology COM; \$1,200; A Multi Center, Randomized, Blinded, Parallel-Group Study of Avonex Compared with Avonex in Combination with Oral Methot; Cleveland Clinic Foundation
- **Fink, Gregory D**; Pharmacology & Toxicology COM; \$159,900; Long-Term Neural Determinants of Cardiovascular Disease; University of Minnesota

Have News?

Send info on grants, honors, publications, events, new faculty and more to chmresearch@ht.msu.edu



grants

- **Fink, Gregory D**; Pharmacology & Toxicology COM; \$30,000; Agreement for Services for Measurement of Blood Pressure and Heart Rate in Normotensive-Telemetered Conscious Rats; Pfizer, Inc.
- **Goudreau, John L**; Neurology & Ophthalmology COM; \$3,219; A Multicenter, Double-Blind, Randomized Start, Placebo Controlled, Parallel-Group Study to Assess Rasagiline as a Disease; Teva Neuroscience, Inc.
- **Holtrop, Jodi S**; Family Practice; Weismantel, David P \$14,520; Depression, Anxiety and Health Risk Behaviors: What Is the Real Scope of the Problem in Primary Care; American Academy Family Physicians
- **Kaminski, Norbert E**; Integrative Toxicology, Center for; \$43,687; CB1/CB2 Dependent and Independent T Cell Modulation; NIH/PHS
- **Kaminski, Norbert E**; Integrative Toxicology, Center for; \$204,381; CB1/CB2 Dependent and Independent T Cell Modulation; NIH/PHS
- **Kulkarni, Roshni**; Pediatrics & Human Development; \$59,484; IP Agreement; Centers for Disease Control PHS
- **Kulkarni, Roshni**; Pediatrics & Human Development; \$2,588; A Comparison Study of Refacto and Advate in Previously Treated Patients with Hemophilia a; Wyeth Pharmaceuticals, Inc.
- **Rosenman, Kenneth**; Medicine; \$50,000; State-Wide Asthma Mortality Review; Michigan Community Health
- **Rosenman, Kenneth**; Medicine; \$10,000; Work-Related Asthma Education Project; Michigan Community Health
- **Sigal, Yakov Mikhaylovich**; Pediatrics & Human Development; \$3,635; Medical Home Model Clinic; Michigan Community Health
- **Sigal, Yakov Mikhaylovich**; Pediatrics & Human Development; \$95,888; Medical Home Model Clinic; Michigan Community Health
- **Sinha, Animesh**; Human Medicine Dean; \$75,000; Functional Analysis of IFN- α OAS1 Overexpression in Cutaneous Lupus; Alliance for Lupus Research
- **Taylor, Kay; Moses, Julia**; CHM-FAME; \$100,000; HIV Screening in High Prevalence Health Care Settings; Michigan Department of Community Health Division of Health, Wellness and Disease Control/HIV/AIDS Prevention & Intervention
- **Wang, Donna H**; Medicine; **Galligan, James**; \$283,506; Vanilloid Sensitive Sensory Nerves and Salt Sensitivity; NIH/PHS
- **Xiao, Hua**; Physiology/Human Pathology CHM; \$206,432; The Role of a Transcription Cofactor, TIP30, in Tumorigenesis; NIH/PHS
- **Young, Vincent B**; Internal Medicine, Microbiology and Molecular Genetics; Schmidt, Thomas M; \$261,857; Microbial Ecology of Helicobacter-Induced Colitis; NIH/PHS; This NIH RO1 Award totals \$1.3 million over the full grant period.



The CHM Research Newsletter is published by the CHM Research Office.

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Please excuse our mess!

Since this is our first newsletter, it's a work in progress - and we need your feedback to progress any further! Please let us know what you think of any part of our newsletter - layout, section formats, readability, anything at all!

Send any comments, suggestions or other feedback to chmresearch@ht.msu.edu

Publication Schedule and Guidelines

Deadline: August 10th

Publication Date: August 27th

- Please put "CHM Research Newsletter" in the subject line of your e-mail. E-Mail to chmresearch@ht.msu.edu.
- Attach images in a separate file, preferably as a jpeg.
- Submit as many articles as you like.
- We reserve the right to make editorial changes on all submissions. In most cases, contributors will have the opportunity to preview the entry before publication.

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