

chm research newsletter

CHM Associate Dean's Office of Research



Greetings,

From the ground-breaking of the Secchia Center in Grand Rapids to medical students presenting at Research Day throughout our campuses, the College of Human Medicine has a presence in Michigan and is making a positive difference. This issue of the Research Newsletter features key faculty members in the Upper Peninsula (UP) and a UP student who drives home the message that community-based research is important and CHM has the capacity and heart to conduct it well. It also features news from the recent Research Days that have been held in Saginaw, Flint, Grand Rapids, Kalamazoo and Lansing. Each of these showcased the tremendous research talent we have among our faculty, residents and students. Please take the time to read the whole issue. You'll find useful information about animal use requirements, community of science, new NIH publication requirements and other items of interest.

The goal of the Office of Research is to provide leadership for building programs in basic science, translational, and clinical research within the College and with our various partners by supporting talented people with necessary resources and championing the work of team members so that their unique expertise and capabilities are appropriately rewarded. Establishing relationships with each other is essential. It is also critical that we increase our capacity to conduct diverse, multi-site studies that make the most of our community-campus system and statewide presence. I often have the pleasure of working with a wide array of organizations, informing them of the excellent research being conducted by CHM and its partners, and appreciate these opportunities to be a voice fostering support for the great work of everyone across the college. We are encouraged by all of your positive feedback and look forward to continuing to build CHM research together.

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

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

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stay connected

The CHM Research Listserv - This is an important communication tool that can connect us across the campus network. It can be used to broadcast research opportunities or accomplishments, request information, etc. Sign up today at <http://list.msu.edu/archives/chm-research.html>.

The CHM Research Website - This is our clearinghouse of information to help you conduct research. It is currently being redesigned and we would like your feedback. Please check it out, including the new Student Pages, and let us know how user-friendly it is and what changes and information would help you most. <http://research.chm.msu.edu>

The CHM Research Newsletter - Please send news items to chmresearch@hc.msu.edu. The newsletters are sent to you electronically. If you would like hard copies - let us know. Archived issues are available at <http://research.chm.msu.edu/newsletter/archive.htm>. Please forward the news on to friends and colleagues.

FEATURED RESEARCHER

Robert VanHowe, MD

CHM Department of Pediatrics

Upper Peninsula Health Education Corporation, Marquette

Robert Van Howe, MD, completed a residency in Pediatrics at Children's Hospital of Wisconsin in Milwaukee after graduating from Loyola University Stritch School of Medicine. After years in a general pediatrics practice, he developed an interest in research, initially focusing on infant circumcision. Following a move to Marquette, Michigan in 2001, he joined the CHM clinical faculty and also completed a Masters of Science in Clinical Research Design and Statistical Analysis from the University of Michigan, School of Public Health.

His research has included an analysis of the birth weight distributions of Upper Peninsula babies (they are heavier than the national averages), neonatal blood glucose levels in infants who are large for gestational age and infants of diabetic mothers, the cost-utility of testing for and treating group A streptococcal pharyngitis in children, and a prospective cohort study of gastroesophageal reflux in infants. His areas of interest in statistics include cost-utility analysis, meta-analysis, Monte Carlo simulations, marginal mixed models, and epidemiological modeling.

Regarding his work on neonatal circumcision, Dr. Van Howe states "It is a multifaceted topic that has been anything but boring and often divisive." He has conducted clinical research, cost-utility analyses,

meta-analyses, and bioethical analyses on the topic and his expertise has led to multiple national and international presentations including for the 1999 American Academy of Pediatrics Task Force on Circumcision, the WHO, the CDC, and the International Congress of Pediatrics.

Dr. Van Howe has found that being a primary care researcher in an isolated setting has presented challenges. "When I arrived in Marquette, the infrastructure for performing clinical research was almost non-existent. We had to develop a track record of successful research before we could get funding for subsequent projects. We continue to learn important lessons with each new project." He notes that having protected time for research is an ongoing concern. He has recently been encouraged by the enthusiasm of CHM students and Family Medicine residents in Marquette for getting involved in research projects, stating that "Learning about how research happens during your training gives you an appreciation for the research you encounter in the medical journals."

Dr. Van Howe and Co-Investigator Michelle R. Storms, MD (Assistant Director of the Marquette Family Medicine Residency Program) currently have research awards/grants from Blue Cross Blue Shield of Michigan Foundation and the Gerber Foundation.



MSU College of Human Medicine
RESEARCH

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campus network news

■ Flint

Hurley Medical Center has recently undertaken a number of initiatives aimed at enhancing the health of its employees. The 'Stoplight Project' involves nutrition education in the hospital's cafeteria. Color codes--like that of a traffic signal--are used to identify the health or nutritional value of foods sold in the hospital cafeteria. Employees were notified of the new "system" and completed baseline surveys on their food choices. Additionally, an observational study was undertaken in which research assistants stood near the check-out lines and documented which entree categories were being purchased (i.e., green, yellow or red). Follow-up surveys and observations will be conducted in approximately three months and again in six months. It is hoped that the use of color codes will have an impact on employee food choices--such that a greater percentage of employees will select the ideal (or 'green') items while fewer will opt for less healthier choices (yellow or red). Based on the findings, Hurley may increase education efforts to further influence food choices.

■ Grand Rapids

Construction of the Secchia Center, which will serve as the Grand Rapids home of the MSU-CHM is now underway. The facility is named in honor of Ambassador Peter F. Secchia, an MSU alumnus, long-time supporter of the university and former U.S. ambassador to Italy (1989 to 1993) who provided the lead gift for the building, expected to open in 2010. In addition to providing medical education, the college's presence in Grand Rapids also will focus on biomedical research. Working with its partners, MSU faculty and students will conduct research in five "clusters": cancer, obesity, cardiovascular disease, arthritis and neurobiology. Partners include Spectrum Health, Saint Mary's Health Care, the Van Andel Institute, Grand Valley State University, Grand Action, a nonprofit organization that works to support downtown building and revitalization projects, and The Right Place, a regional nonprofit economic development organization that promotes economic growth in Greater Grand Rapids.

As building in Grand Rapids moves forward, GRMERC faculty continue to actively conduct ongoing and new research projects and present findings in research publications and presentations. Most recently, faculty have been invited to give presentations at meetings of the Michigan Chapter of the American College of Physicians, the Pediatric Academic Societies, the Mid-America Orthopaedic Association, and the American Academy of Orthopaedic Surgeons.

■ Kalamazoo

MSU/KCMS faculty members are actively publishing and presenting their findings from research studies. Recent publications and presentations are listed in this issue of the Newsletter and recognize **William Fales, MD**, **David Overton, MD**, **Richard L. Lammers, MD**, and **Rashmikant Kothari, MD** for their scholarly achievements. Congratulations!

■ Lansing

Henry Barry, MD, MS, Department of Family Medicine, has been appointed as an Evidence-Based Medicine Consultant to the American Academy of Family Physicians Commission on Continuing Professional Development's Subcommittee on Clinical Content and Accreditation.

Libby Bogdan-Lovis, MA, Center for Ethics & Humanities in the Life Sciences, was nominated and elected to the Advisory Board for the

Cochrane Developing Countries Network (CDCN), a newly developed entity of the International Cochrane Collaboration. She will provide both strategic advice and support, and monitor developing country participation in the CDCN.

Margaret Holmes-Rovner, PhD, Center for Ethics and Humanities in the Life Sciences, has been appointed to the External Scientific Advisory Board of the Maine Medical Center, Portland, Maine.

Clare Luz, PhD, CHM Office of Research and Department of Family Medicine, has been re-elected to chair the Women's Advisory Committee to the Provost (WACP) - <http://provost.msu.edu/planning/WACP.php>. **Rae Schnuth, PhD**, Assistant Dean and Director of Clinical Curriculum Development, and Community Assistant Dean, Saginaw will serve her third year on the Committee. The WACP advises the Provost on issues of special interest to women within the University community, focusing on such topics as equitable access to tenure, promotion and salaries, gender discrimination, and safety. Their report on recruitment and retention, civility, and support for research productivity, was recently released and can be accessed at http://provost.msu.edu/planning/documents/WACPsummaryof3KeyIssueCommitteeReports3_14_08.pdf

■ Saginaw

Synergy Medical Education Alliance will be holding its 17th Annual Research Day on May 20, 2008. Along with resident presentations, MSU-CHM third year students are presenting on research projects that they designed and implemented as part of their Critical Appraisal/Analytic Medicine core competency course. The Saginaw campus focus on leadership for the underserved is evident in these projects, which include the following topics: **Sean Paul and Alisha Floyd** - osteoporosis treatment in long-term care facilities; **Nathan Woolsey and Peter Byers** - disparities in colorectal cancer screening in an urban family medicine clinic; **Jonathan Egle, Libby Egle and Lisa McElroy** - disparities in diabetes care based on patient weight; and, **Dennis Montoya and Neil Malhotra** - race and the influenza vaccine. Completing projects and disseminating information about research designs and findings helps students understand the medical literature and how to approach clinical care and medicine in a scholarly, evidence-based way.

■ Upper Peninsula

Tihele Walkowsky and **Davita Burkhead-Weiner**, both Block III students, will be conducting a retrospective study on whether intrathecal anesthesia increases the risk of cesarean delivery. According to the American College of Obstetricians and Gynecologists (ACOG) having the option of epidural anesthesia is currently the standard of care. Studies have shown that epidural anesthesia is safe and efficacious and does not increase the risk of cesarean section. Clinical practicing opinion within hospitals holds that it may be more cost effective and time efficient to utilize intrathecal anesthesia for routine laboring patients. Studies done involving intrathecal anesthesia have shown it to be safe and efficacious, but few studies have been documented that specifically look at whether or not this method increases the rate of cesarean delivery. The proposed study will examine all deliveries at Marquette General Health System from January 1, 2006, through December 31, 2007, to determine if administration of intrathecal anesthesia increases the rate of cesarean delivery.



research highlights

■ The 2008 Pearl J. Aldrich Endowment in Aging-Related Research Awards Announced

The Pearl J. Aldrich Endowment in Gerontology supports research, education, and service activities in gerontology-related programs at MSU. It was created through an estate gift established by Pearl Aldrich, Ph.D., long-standing faculty member who devoted nearly 36 years to MSU's Department of Family Ecology before retiring in 1978. Dr. Aldrich was especially committed to encouraging interdisciplinary approaches to discovering new knowledge in the field of gerontology and/or applying such knowledge to improve the lives of older adults. Congratulations to the following recipients of this year's two faculty awards and a student award:

Ghassan Bachuwa, MD, MS, MHSA, FACP, AGSF, CHM, Department of Medicine, Flint Campus, who will be conducting a randomized, controlled parallel-group clinical trial measuring the impact of non-surgical management of thoracic hyperkyphosis on quality of life, physical activity and ventilatory dysfunction in an elderly population.

Tamara Reid Bush, PhD and Ranjan Mukherjee, PhD, College of Engineering, Department of Mechanical Engineering, **Clare Luz, PhD**, CHM Office of Research and Department of Family Medicine, and **Jack Rubinstein, MD**, Cardiology Fellow, Department of Medicine who will be developing an innovative assistive device using biomechanics and robotics to reduce falls among older adults.

Lihua Huang, MSW, Doctoral Student, School of Social Work will study productivity among older grandmothers who are primary caregivers for their grandchildren.

■ MSU Physician Searches for Links to Leukemia

Said Omar, MD, MSU-CHM associate professor of pediatrics and human development, has received a grant from the Blue Cross Blue Shield of Michigan Foundation to determine if two common treatments for newborn babies that experience distress, oxygen and phototherapy, might increase their risk for acute lymphocytic leukemia, one of the more common forms of leukemia that afflict children.

According to Dr. Omar, it is not uncommon for newborns to be exposed to one or both of the treatments. Phototherapy is used routinely to treat jaundice – a condition in newborns in which the skin and whites of the eyes are yellow, caused by excess bilirubin in the blood. Further, as many as 15 percent of newborn babies are exposed to oxygen. Dr. Omar states that there are many opportunities for the baby or the mother to be exposed to oxygen such as when the mother has a chronic disease or asthma or if she has to have a C-section. "Some earlier epidemiologic studies have shown that there could be an association between these treatments and leukemia," Omar said. "If we find that they do increase the risk, then perhaps it would be possible to find alternative treatments."

Omar and his colleagues are conducting a population-based, case-control study using data from the Michigan Cancer Registry. They are examining more than 1000 birth records, comparing children with and without leukemia. The research team, assisted by the Michigan Department of Community Health, includes **Nigel Paneth, MD, MPH**, **Hossein Rahbar, PhD**, and **Ali Artaman, MS**, CHM Department of Epidemiology. Additional funding has been provided by the National Cancer Institute and the Children's Leukemia Research Association.

■ Family Medicine Research Day

Family Medicine Research Day XXXI will be held at The Genoa Woods Conference Center, Brighton, on Thursday May 22. This year's keynote presentation will feature Joseph J. Gallo, MD, MPH, Associate Professor, Department of Family & Community Medicine, the University of Pennsylvania. The title of the plenary is "Many Ways to Answer Questions—Mixed Methods Approach." Dr. Gallo, a family physician who began in rural practice, is a distinguished scholar who has studied depression and common problems in the elderly. He has used multiple methodologies to pursue his research. Finally, he has a particular love for mentoring young researchers. The day will begin at 8:00 and conclude with an awards ceremony at a 3:30. For information, contact Deb Richardson, Conference Assistant, at (517) 884-0400, or deb.richardson@hc.msu.edu.

■ Seventh Annual Pediatrics Research Day

On March 28, 127 pediatric professionals gathered at the Marriott in East Lansing for Pediatric Research Day. William D. Lyman, PhD, Director of the Children's Research Center of Michigan (CRCM) was the keynote speaker. He presented a preview of The National Children's Health Study (NCS), a national longitudinal study of environmental influences (including physical, chemical, biological, and psychosocial) on children's health and development. This will be the largest and longest study of children ever to be conducted in the United States, following 100,000 children for more than 20 years. Five Michigan counties (Genesee, Grand Traverse, Lenawee, Macomb, and Wayne) will be study sites, and Kent County is a pilot site. The project is being directed by **Nigel Paneth, MD, MPH**, CHM Departments of Epidemiology and Pediatrics and Human Development. For more information on the NCS, visit the NIH NCS website at www.nationalchildrensstudy.gov. Or contact: Nigel Paneth at (517) 353-8623, ext. 112; paneth@epi.msu.edu or Dele Davies, MD, CHM Chair of Pediatrics and Human Development: (517) 355-3380, daviesde@msu.edu

In addition to the keynote address, Pediatrics Research Day event featured oral presentations, posters, and speakers including Dr. Joel Nigg, MSU Professor of Clinical Psychology who is well known for his work on the cognitive correlates of ADHD.



news from the research office

■ Top Ten Reasons to Keep your Community of Science (COS) Profile Updated

10. Updated profiles provide a quick, accurate means of identifying the key words that help the Research Office define the list of faculty that should receive funding opportunity announcements we become aware of...

9. When we receive a call from a researcher at another University who is looking for a collaborator on a specific research topic, we can refer to the COS list of MSU faculty generated by search terms and then refer the caller to the appropriate CHM faculty members...

8. When MSU Administrators call our office looking for information related to who is conducting research in a specific area for the purpose of reporting this in an upcoming presentation or media conference, the Research Office can provide accurate information about the research activity occurring in CHM...

7. When a researcher in one of MSU's departments is considering submitting a grant proposal that requires a collaborative effort across several academic areas, the Research Office can refer them to the appropriate CHM faculty to determine if participation in the project is of interest...

6. When researchers across the globe are looking for expertise in specific areas of scientific research, the COS database can serve as the means of identifying experts in the field. MSU researchers can offer assistance in overcoming obstacles to other researchers, but only if they can be accurately identified and easily contacted...

5. If you are considering applying for the Scholarly Activities Grant (SCGA) or the New Faculty (NF) grant opportunities offered each year by the VPRGS Office, you will have fulfilled a primary requirement when your COS profile is entered and kept updated...

4. By keeping your profile updated on an annual basis, you are keeping your professional activity information organized and readily available. This means when an unexpected funding, research collaboration, etc. opportunity arises, you will save time and effort and improve your ability to take advantage of it...

3. By keeping your COS profile updated, you are contributing to the overall research image of your department, CHM and MSU. This is important when grant applications are being reviewed and reviewers are recalling their understanding of the quality of research that occurs at MSU...

2. The COS tools can help you keep your information in a "ready to submit" format for the SF424 form required for Grants.gov submissions...

1. FINALLY, the more updated the information that is available on the COS database about CHM research activity, the more assistance the Research Office can offer to you as you strive to achieve your research goals!

Help us Help You! Keep your COS Profile Updated!
For more information, visit the CHM website at <http://www.research.chm.msu.edu>

■ CHM Statistical Support Gains Momentum!



In response to requests from CHM researchers for statistical assistance, the Research Office has contracted for 50% of **Emily (Yan) Xie's** time (the other 50% is contracted by the College of Nursing). Emily brings a medical background (she received an M.D. in China), extensive research experience (she is currently working on her Ph.D. dissertation and has both academic and industry research

experience) and knowledge of statistics (an M.A. in statistics) to CHM. She is available to assist on Monday afternoons and all day Tuesdays and Thursdays in the research office, 209 E Fee Hall.

During the first three months of 2008, Emily has provided CHM researchers with 162 hours of statistical assistance on a variety of topics:

Number of researchers assisted: 7
Number of departments/units represented: 7
Number of campuses represented: 1

Tasks performed:
Data analysis
Sample size calculation
Statistical analysis plan
Paper review
Statistical support letter

Anticipated outcomes:
Manuscript preparation
Grant proposal submission



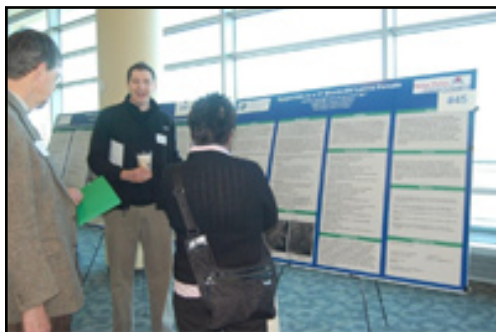
2008 community research days

Four Excellent Events, Saginaw Still to Come

Flint, Grand Rapids, Kalamazoo and Lansing have all recently held very successful Research Days with outstanding speakers, attendance, posters, oral presentations, and awards. Many thanks to all of the people who made these Research Days possible: the coordinators, sponsors, judges, researchers, attendees, and others. They are tremendous undertakings but very important to the research development and portfolios of all of the participants and to raising awareness and visibility of CHM research within the college, our communities and the state. Congratulations to all who submitted an abstract and had it accepted. Special congratulations to all of the winners. To see a list of all this year's winners so far, please visit the CHM Research website, located at <http://research.chm.msu.edu> or click [here](#). Saginaw's Research Day is still upcoming - scheduled for May 20. Check out the details at http://www.synergymedical.org/research/research_day/index.html



Lansing Community Research Day Award Winners



GRMERC Community Health Research Day

Special notes from each of the campuses:

The MSU/Flint Area Medical Education (FAME) Community Research Forum celebrated its tenth year – a milestone for this important collaboration between Genesys Regional Medical Center, Hurley Medical Center, McLaren Regional Medical Center, and MSU/Flint Area Medical Education. The annual event has grown and now includes an average of more than 170 oral and poster presentations of original research conducted by teaching faculty, resident physicians, medical students, nurses, and other health professionals.

The longest-running of the CHM Community Research Days, Grand Rapids Medical Education and Research Center (GRMERC) has held a Research Day for over 40 years. This special forum provides an opportunity for local residents, health professional students, and attending physicians to present the latest findings from their research studies. The emphasis

is on allowing researchers an opportunity to present their work in a supportive, constructive learning environment. This year, GRMERC Community Health Research Day had over 420 attendees and 136 oral and poster presentations!

Kalamazoo Center for Medical Studies (KCMS) held its 26th Annual Kalamazoo Community Medical and Health Sciences Research Day which was open to all interested health professionals, allied health professionals, biomedical science professionals, and students of these disciplines. Recognizing the great tradition of medical and health sciences research that exists in the Kalamazoo community, MSU/KCMS has joined with Borgess Medical Center, Bronson Methodist Hospital, Ferris State College, Kalamazoo College, Kalamazoo Valley Community College, Pfizer and Western Michigan University to establish this forum in which to celebrate, promote, and further develop the richness and diversity of research in the Kalamazoo medical community.

In Lansing, Graduate Medical Education, Inc (GMEI) and its institutional partners, MSU College of Human Medicine, MSU College of Osteopathic Medicine, Sparrow Health System and Ingham Regional Medical Center hosted the 3rd Annual Lansing Community Research Day on April 30, 2008. This year's event succeeded in drawing participation from medical students, residents and fellows from all GMEI partner institutions and across specialties. The number of submitted abstracts more than doubled from 2007 to 2008 and there were more than 150 participants, 19 oral presentations, and 68 poster presentations. Judges commented on the originality and quality of research submitted.



Lansing Community Research Day

For further information on each individual Research Day, please visit the following websites:

Flint - http://www2.msfame.msu.edu/index.php?content=rsch_index

Grand Rapids - <http://www.grmerc.net/research/researchday.html>

Kalamazoo - http://www.kcms.msu.edu/pages/research/research_day/researchday.php?url=introduction

Lansing - <http://www.gmei.msu.edu/researchday/researchday.htm>

For photos from this year's Community Research Days, please visit <http://research.chm.msu.edu/students/researchdaypics.php>



did you know about...

■ The NIH Public Access Policy Law

The new publication requirements for NIH-funded grants require that any publications resulting from NIH funded projects are required to be available to the public through the NIH PubMed Central—a digital archive offering free and unrestricted access to biomedical and life sciences literature. There are many journals that have arranged with NIH to automatically deposit any NIH funded articles into this archive, which means that investigators do not have to initiate the action to comply with the requirement. The NIH website offers a comprehensive list of all publications that make this automatic deposit on behalf of the PI. This list can be accessed through the research website at <http://research.chm.msu.edu/administrators/nihpolicy.php>.

For journals that do not agree to do so, it is the Principal Investigator's responsibility to make sure that the publication is deposited into the archive within 12 months of the date of publication. For more information about this procedure, visit our website at <http://research.chm.msu.edu/administrators/nihpolicy.php>.

Especially important is the fact that it is the Principal Investigator's responsibility to make sure that they do not transfer copyright ownership to the journal because this means that it cannot be deposited into the NIH PubMed Central archive.

Please visit our website for a complete review of all pertinent information!

FEATURED RESEARCH MENTOR

Steven A. Dosh, M.D, M.Sc.

Associate Professor, Department of Family Medicine
Upper Peninsula Health Education Corporation, Marquette

Dr. Dosh graduated from CHM in 1976 followed by a residency in internal medicine at Mary Imogene Bassett Hospital in Cooperstown, NY and a fellowship in family medicine at Mid-Michigan Regional Center. He then established a private practice in family medicine and internal medicine in Escanaba, Michigan. In 2000, Dr. Dosh completed a Master's degree in Epidemiology at MSU. He has been affiliated with the CHM-UP Campus since 1980 and currently serves on the steering committees for the Great Lakes Research into Practice Network (GRIN) and the American College of Physicians Network. He has been a Co-Principal Investigator or collaborator on numerous research projects. His academic interests include evidence-based medicine, practice system design, and behavior change.

Dr. Dosh teaches the third year Critical Appraisal/ Analytic Medicine (CAAM) core competency course

for medical students, evidence-based medicine courses to family practice residents, and advance cardiac life support to hundreds of students, paramedics, nurses, and physicians as an ACLS course director. In addition, he has provided research mentoring to dozens of medical students and residents over a wide-range of topics, helping them develop their own research interests and projects. Dr. Dosh finds that, as a mentor, he is constantly challenged to learn and relearn the essentials of research design, analysis, and reporting. He states that "working on their research projects, young researchers develop an appreciation for the research methodology and the value of life-long participation in research." Our sincere thanks to Dr. Dosh for his commitment and contributions as a research mentor.



students and residents

■ **Sanjeet Rangarajan**, CHM Block I, was appointed North American Coordinator for the NATO Advanced Research Workshop on Nanoengineered Systems for Regenerative Medicine, based on his work in the Vanderbilt Biomaterials, Drug Delivery and Tissue Engineering Laboratory. The proceedings for the meeting are set to be published by Springer in coming months, and Sanjeet will be listed as an editor. To find out more about the workshop, please visit the following website: <http://www.bme.vanderbilt.edu/shastrilab/nato/arw/index.html>

■ **Amit Sachdev**, CHM Block II, NIH/NIA SRP Fellow, MAPI Scholar will be presenting a paper, "Alopecia universalis is associated with PTPN22 R620W", at the International Investigative Dermatology Conference

being held in Kyoto, Japan this May. He works with **Animesh Sinha, MD, PhD**, Director of the Center for Investigative Dermatology, MSU-CHM. He and other members of the Center had several abstracts accepted and will be presenting research on genomic associations in specific autoimmune disorders.

■ **Cecily Anne Clark**, CHM Block IV, was invited to present her paper, entitled "Adenoid Cystic Carcinoma of the Breast: The Mayo Clinic Experience," at the 90th Annual Meeting of the American Radium Society, which was held May 3-7, 2008 at the Ritz Carlton Laguna Niguel, California. An abstract of her paper will be printed in *Oncology*, the peer reviewed journal of the American Radium Society. Congratulations, Cecily!

FEATURED STUDENT

Sarah Lynn Roberts

Block IV, Upper Peninsula Campus

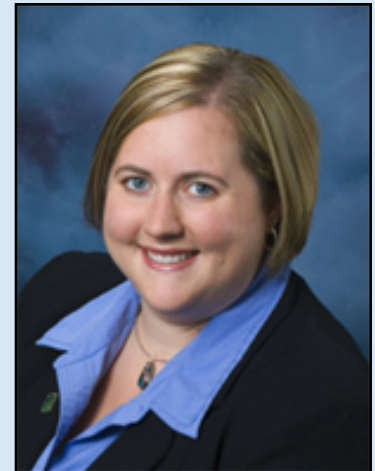
Sarah Roberts, MS-4 from Rockford, MI, never thought that research would be a part of her medical future. "I admit to having a very narrow view of research coming into medical school, like microscopic bench work and growing tissue samples." That notion soon changed when she was accepted into the Rural Appalachian Preceptorship through East Tennessee State University as a first-year summer elective. The program required that she complete a research project. She and her MSU faculty mentor **Jeanette Scheid, MD, PhD**, Department of Psychiatry, developed and implemented an IRB-approved depression screening program that demonstrated a 43% prevalence rate for undiagnosed depression in the clinic patient population. These findings were shared with the practice physicians and led to an increase in consistent screening, education, and referrals for mental health problems. Sarah's research project was featured in a number of both state-wide and national research conferences, and was a finalist for student-initiated research at the AAFP Scientific Assembly in Washington, D.C.

When Sarah arrived at the Upper Peninsula (UP) campus to begin her clinical training, she continued to be involved in research. She states she enjoyed the challenge of gathering data and translating her interests into feasible clinical research questions. She participated in the Munising Community Health Study, an annual Alger County health survey led by Dr. Jeffrey Dwyer, CHM Associate Dean for Research. She contributed questions on the prevalence of free drug sample use in a rural area and patient knowledge and attitudes about free samples and direct-to-consumer advertising. This information was compared with more urban areas and is currently being analyzed for journal submission.

In addition, recognizing that resources for emotional support after childbirth were limited in Marquette, Sarah surveyed all primary care providers in the UP to determine the need for a Postpartum

Depression (PPD) support network. She then applied for and

received a Helping Hands Grant through the American Psychiatric Foundation, which funds medical student initiated and managed mental health screening programs. With this support, she and a team of UP medical students have established the UP Maternal Emotional Support Program (UPMESP), which screens each new mother in the Marquette Family Birthing Center for risk factors for PPD, educates high-risk mothers, and provides follow-ups using telephone volunteers. They have established an extensive network of mental health professionals throughout the UP who are willing to see these mothers quickly and have established relationships with community programs such as WIC, MIHP and other agencies to educate both new mothers and health care providers about PPD treatment options and support. This program has demonstrated positive outcomes and will be continued at the hospital after Sarah leaves. She states, "At the heart of a good research program is the patient. I feel that I can walk away from the UP and CHM knowing that I have started an ongoing screening program that will serve new moms for years to come. And THAT is what community-based research is about. It's important to find your niche in something that excites you."



Sarah graduates May 2008 and will soon start the Alaska Family Medicine Residency Program in Anchorage, Alaska. She plans to pursue either a faculty development or OB fellowship. Congratulations Sarah. Thank you for all of your contributions to CHM and the community! We wish you all the best.



student research activities

Student Research Interest Group (SRIG): A strong interest in research among students continues to be evident with an average of 24 students in attendance at SRIG meetings and students taking the lead on organizing new research-related initiatives. At the last SRIG meeting, the new leadership for 2008-2009 was announced. Kyle Walsh will be the lead student coordinator and can be contacted at walshky@msu.edu for more information. Potential topics and speakers for future meetings were discussed. Updates were given on each of the current student initiatives – see below for updates. Plans are underway to replicate many of these initiatives in Grand Rapids. Students at other campuses who are interested in participating or establishing similar activities locally can contact Clare Luz at luz@msu.edu. The next SRIG meeting is scheduled for Tuesday, May 27 at noon in E4 East Fee Hall. Look for future announcements.

Research Journal Club: This new initiative has met with tremendous success. The first two sessions were well-attended and excellent presentations were given. There are two remaining meetings this spring: Friday, May 30, 12:00-1:00 in C102 E. Fee (the Patenge Room) and Monday, June 16, 12:00-1:00 in E4 Fee Hall (basement). Further questions can be directed to the coordinators, Ted Kelbel at kelbelth@msu.edu and Lindsey Korepta at koreptal@msu.edu.

Student Research Journal: Steven Plato and Andrew Wyman have taken the lead on a very exciting project – the establishment of a student run, primarily online journal that will feature articles by students affiliated with medical schools from across the world. They have made tremendous progress including writing a business plan and proposal, organizing a team of peer reviewers, establishing a website, developing submission guidelines and more. David Solomon, PhD, OMERAD, is providing valuable consultation. Dr. Solomon recently published the first book on the subject, *Developing Open Access Journals: A Practical Guide*. Steve and Andrew have also met with Dr. Jeff Dwyer and are finalizing a full proposal to present to Dean Rappley. Their goal is to begin accepting articles by late summer and to have the first edition of the journal out later this year. Please stay tuned for more information and how you can get involved, or contact Steven Plato at platoste@msu.edu or Andrew Wyman at wymanand@gmail.com.

Student Advising: The research office has been busy with requests from students for individual advising. Clare Luz, PhD, luz@msu.edu and Christine Liszewski, MD, liszews1@msu.edu are available for consultation. A revised referral form has been added to the website. If you are interested in learning more about research, or finding a research mentor or project, please complete this referral form and send it to either Dr. Luz or Dr. Liszewski. If you have a CV, please send this as well. This information is extremely helpful in terms of matching you with the best possible research experience. Check out the new student web pages at <http://research.chm.msu.edu/students/> for additional information.

chm student scholarships for oncology research

We are pleased to announce that the CHM Office of Research will again be presenting summer scholarships to CHM medical students involved in oncology related research. The donors and funds that have made this possible include:

Ruth A. McInay Revocable Trust Fund Grant Awards

Under the terms of a gift to CHM from the estate of the late Ruth A. McInay, a former MSU Agricultural Extension Home Economics Agent, funding is available to provide \$2500 in support for up to six medical students involved in research related to cancer and oncology. An additional \$500 will be provided to each student's faculty supervisor for their mentoring role, supplies, facilities and equipment used by the student, poster presentations, travel or other expenses related to the mentoring relationship.

Barbara J. Guthrie/Gale Sanborn Endowment Fund

An additional \$2500 award is available through a gift from Barbara Guthrie, in memory of her friend Mr. Gale Sanborn. This is also designated for medical students involved in cancer-related research. The student's mentor will receive \$500.

For full submission guidelines, please visit our website at <http://research.chm.msu.edu/studnets/oncologyscholarships.php>

Proposals should be submitted by May 16, 2008 to:
Jeffrey Dwyer, PhD
Acting Associate Dean for Research
A209 East Fee Hall

Or they can be sent to Dr. Dwyer c/o Maureen Cullen via:
email: Maureen.cullen@hc.msu.edu or fax: 517/432-8021

An expert committee will be assembled to review proposals and to make selection recommendations to the Associate Dean for Research. Awards will be announced on June 2, 2008.

For additional information and questions, please contact:
Clare Luz
luz@msu.edu
517-432-2208



ask the research office

Animals as Research Subjects

Question: What do I need to know if I conduct research involving animal subjects?

Answer: You need to know about the Institutional Animal Care & Use Committee (IACUC) and the University Laboratory Animal Resources (ULAR). The use of vertebrate animals in research, teaching, and outreach activities is subject to state and federal laws and guidelines. Faculty members planning to use vertebrate animals for any University-related activity must submit an animal use form (AUF) to the IACUC for review. IACUC approval is required prior to the start of the project. The IACUC is a quasi-enforcement arm of the federal government; its decisions cannot be overruled administratively. It is under the auspices of the Office of Research Ethics and Standards (ORES) within the Office of the Vice President for Research and Graduate Studies (OVPRGS). IACUC inspects every animal care site on campus at least twice a year. In cases where MSU administers a grant but animal studies are conducted in another institution, the Public Health Service requires that a memorandum of understanding be exchanged between institutions that includes documentation of review and approval by the animal care committee responsible for the site at which the animals are used. For additional information, visit IACUC at <http://www.aucauc>.

msu.edu or contact the IACUC office at 517/432-4151 or aucauc@msu.edu.

ULAR, which also reports to the OVPRGS, is a campus-wide organization accredited by the American Association for Laboratory Animal Science (AALAS) that provides support for research involving animals. Support includes acquiring laboratory animals, providing animal care (specimens or colonies) such as feeding, bedding, equipment, cage washing, trucking, etc. 365 days a year, training investigators, and providing diagnostic services, surgical facilities, and a resource library. ULAR is responsible for a wide variety of animals from fish and frogs to goats and guinea pigs. All animals are acquired legally and cared for in a humane way. All animal care and use at MSU conforms to the standards in "The Guide for Care and Use of Laboratory Animals", DHEW publication number NIH 78-23 (Revised 1996), and to the "Guiding Principles for the Care and Use of Animals" of the American Physiological Society. Training programs are designed to ensure that every person involved with the care of animals is aware of the established standards and regulations. Supervisors in ULAR are certified as Animal Technologists by the AALAS and include veterinarians with animal science specialization. For more information about ULAR, visit <http://www.msu.edu/unit/ular/>

FEATURED RESEARCH ADMINISTRATOR

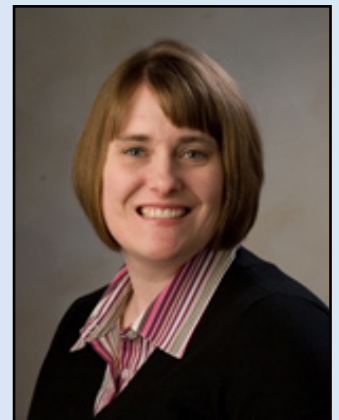
Julie A. Lowman

Accountant/Research Administrator

Department of Pediatrics and Human Medicine

In 1996, Julie moved to Michigan from the beautiful north country of Bemidji, Minnesota. Transferring from Bemidji State University, she attended Lansing Community College until she was able to receive in-state residency status, at which time she transferred to MSU. While a student at MSU, Julie worked in the CHM, Department of Medicine as a bookkeeper. After graduating with a B.A. in finance, she took a full-time position in the Department of Medicine as an administrative assistant and was introduced to research administration. She now works in the Department of Pediatrics and Human Medicine. Over the past 8 years, she has progressively gained knowledge in the areas of re-

search administration, university policies and procedures, and budget, financial and accounting processes. Julie has been a member of the Society of Research Administrators (SRA) since 2005 and has regularly attended annual conferences. She is currently running for the position of treasurer for the Midwest section of SRA, as well as pursuing a master's degree in public administration. Julie, her husband, Jeremiah, and two children, Haleigh and Charles enjoy visiting Bemidji for the scenic outdoors, fishing, boating, swimming and visiting with family and friends.



publications

Andre J. "Environmental Education in a Course on Ethics and International Development" in *Probing the Boundaries: Environmental Justice and Global Citizenship*. Oxford UK: Interdisciplinary Press, 2007. Pp. 301-306. An e-book: <http://www.inter-disciplinary.net/publishing/idp/eBooks/PTBEJGC%201.6b.pdf>

Andre, J. "American Medical Association," "Developing World," and "Productive Efficiency" in *Encyclopedia of Business Ethics and Society*. Encyclopedia of Business Ethics and Society, 2007.

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Holmes-Rovner M, Correa-de-Araujo R, Coulter A, Elwyn G, Nelson W, O'Connor A, Pignone M, **Rovner D.** Are patient decision aids the best way to improve the quality of clinical decision-making? *Med Decis Making* 27(5): 609-618.

Holmes-Rovner, M. Special Guest Editor, *Medical Decision Making on Shared Decision Making, Decision Aids, and Risk Communication*, September-October, 2007. Available for download through late November at: http://www.sagepub.com/upm-data/16753_Sep_Oct_Announcement_curissue.pdf.

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O'Connor AM, Bennett C, Stacey D, Barry MJ, Col NF, Eden KB, Entwistle V, Fiset V, **Holmes-Rovner M**, Khangura S, Llewellyn-Thomas H, **Rovner D**. Do patient decision aids meet effectiveness criteria of the international patient decision aid standards collaboration? A Systematic Review and Meta-analysis. *Med Decis Making* 27(5):554-574.

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Williams KP, Mullan, PB, **Todem, D**. Moving from theory to practice: implementing the Kin KeeperSM model. *Health Education Research*. (in press).

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Andre J, Mongoven A. "A Multi Faceted Public Health Curriculum." The Association for Practical and Professional Ethics Mini-Conference on Public Health Ethics, San Antonio, Feb 2008

Barry H, Reznich C. "Evaluating student performance in evidence-based medicine," The Society of Teachers of Family Medicine. May, 2008.

Bogdan-Lovis, L. "The Ethics of Informed Consent." The Center for the Childbearing Year, Ann Arbor Nov 2007

Brotherton, S. "Emergent Capital, Shifting Ideologies, and Cuba's Changing Health Sector." XXVII Latin American Studies Association Meetings, Montreal, CA, Sept 2007

Brotherton S. "Socialist Entrepreneurs and the Biopolitics of Health in 21st Century Cuba." Anthropologie et mondes socialistes et (post-)/socialistes Workshop at the Conference on the Anthropology of Globalized Cultures Fieldwork in Complex Situations and Disciplinary Issues, Québec City, CA, Nov 2007.

Brotherton S. "Socialist Entrepreneurs, Emergent Capital, and the Biopolitics of Health in Contemporary Cuba." American Anthropological Association Meetings, Washington, D.C., Nov, 2007



presentations

Brotherton S. "Socialist Body Politics: Macroeconomic Change, Emergent Capital, and Expanding Therapeutic Itineraries in Cuba's Special Period." University of California - Davis Department of Anthropology, Jan 2008

Brotherton S. "Machinations of the State: Emergent Capital, Socialist Entrepreneurs, and Bodily Practices in Cuba's Health Sector." Yale University Department of Anthropology, New Haven, Jan 2008

Brotherton S, Andaya E. "Healthcare in Contemporary Cuba," The International Symposium: A Changing Cuba in a Changing World, City University of New York, New York, Mar 2008

Diab J, **Overton D,** Gaeta T, Hern H, Hwang E, Johnson P, Kass L, Kelly M, Lubber S, Martel M, Patterson L, Minns A, Sayan O, Thurman J, Vallee P. A Multicenter Study of the Family Education Rights and Privacy Act and the Standardized Letter of Recommendation: Impact on Emergency Medicine Residency Applicant and Faculty Behaviors. Kalamazoo Community Medical and Health Sciences Research Conference. Kalamazoo, MI; April 2008

Diab, J, **Overton D.** The Impact of the Family Education Rights and Privacy Act on Emergency Medicine Resident Applicant Behavior and Standardized Letter of Recommendation Outcomes – A Pilot Study. Kalamazoo Community Medical and Health Sciences Research Conference. Kalamazoo, MI; April 2008

Fleck L. "Ethical Challenges for Community Health Centers in the 21st Century." The Annual Meeting of Michigan Community Health Centers, Traverse City, Sept 2007.

Fleck L. "Balance, Judgment and Pluralistic Respect: Keys to Good Ethical Decisions." The Annual Bioethics Conference of the Michigan State Medical Society, Traverse City, Oct 2007.

Fleck L. "Embryonic Stem Cell Research: Ethical and Policy Challenges." The Annual Scientific Meeting of the Michigan State Medical Society, Troy, Oct 2007.

Fleck L. "Just Caring: How Should We Ration Access to Expensive Cancer Drugs?" The Annual Meeting of the American Society of Bioethics and Humanities, Washington D.C., Oct 2007.

Holtrop J, Dosh SA, Torres T. "Getting Patients to Services: Use of a Community Health Educator Referral Liaison (CHERL) in Primary Care Medical Practice." Society for Research on Nicotine and Tobacco, Portland, OR, February, 2008.

Holmes-Rovner, M. "Caring for Risky Patients: Duty or Virtue?" The Center for Healthcare Ethics, Los Angeles, Feb 2008.

Holmes-Rovner M, Olomu AB, Dhoble A, Siddiqi A, Burton K, Oluwole D. "Use of Beta Blockers, Lipid Lowering Agents, and Angiotensin Converting Enzyme- Inhibitors before Recurrent Acute Myocardial Infarction." SGIM Midwest Regional meeting, Chicago, Sept. 2007

Holmes-Rovner M. "Patient Decision Support Research in Oncology." Grand Rounds, Cancer Center, Virginia Commonwealth University, Richmond, Nov. 2007.

Holmes-Rovner M. "Shared Decision-Making in Women's Health: The View from the Field." Plenary Opening Symposium, North American Menopause Society (NAMS), Dallas, October 2007.
Janisewski J, Reister A, Farrell R,



presentations

Fales W. Changing Out-of-Hospital Airway Management: Attitudes of Paramedics Concerning a Paradigm Shift. Kalamazoo Community Medical and Health Sciences Research Conference. Kalamazoo, MI; April 2007

Krist A, Rothemich S, **Holtrop J.** "Helping primary care patients improve health behaviors: leveraging the primary care-community relationship." Summit on Linking Clinical Practice and the Community for Health Promotion. Baltimore, MD, May 30, 2008.

Lammers R, Byrwa M. MI 1st STEPPS – Lessons Learned. Society of Michigan EMS Instructor Coordinators Conference. Lansing, MI; October 12, 2007

Lammers R, Fales W, Byrwa M. Michigan's First Simulation Training & Evaluation of Paramedics in Pediatrics. Poster presentation. Society of Michigan EMS Instructor Coordinators Conference. Lansing, MI; October 12-13, 2007

Lammers R, Fales W, Byrwa M, Hale R. Simulation-based Assessment of Paramedic Pediatric Resuscitation Skills. Kalamazoo Community Medical and Health Sciences Research Conference. Kalamazoo, MI; April 2007

Patel N, **Fales W,** Farrell R. The Use of Photoionization Detector to Detect Harmful Volatiles Chemicals by Emergency Personnel. Kalamazoo Community Medical and Health Sciences Research Conference. Kalamazoo, MI; April 2008

Preusz C, **Fales W.** Impact of New Resuscitation Guidelines on Out-of-Hospital Cardiac Arrest Survival. Kalamazoo Community Medical and Health Sciences Research Conference. Kalamazoo, MI; April 2008

Sinha AA. "Lupus and the skin." Annual Detroit Alliance for Lupus Research, Detroit, March 6, 2008

Tomlinson, T. "Ethical Issues in Palliative Sedation." Avalon Hospice, Nov. 2007

Tomlinson, T. "The Ethics of Futile Resuscitation." Ethics Institute, Muskegon Community College, Nov. 2007

Torres T, Fitzpatrick L, Thompson A, **Holtrop J, Dosh S.** "CHERL (Community Health Educator Referral Liaison): A New Practice Role to Help Patients with Healthy Behaviors." Institute for Healthcare Improvement: 9th Annual International Summit on Redesigning Clinical Office Practice, Dallas, TX, March, 2008.

Van Haren R, Talsma J, **Sinha AA.** Analysis of Differentially Expressed Genes in the Pathogenesis of Basal Cell Carcinoma. Grand Rapids Medical Education and Research Center 41st Annual Community Health Research Day. Grand Rapids, MI.

Viswanáthan S, **Weber AJ,** Malinkovsky V, **Harman CD.** "Comparison of progressive changes in the photopic negative response and the transient pattern electroretinogram of the cat following retrograde degeneration of retinal ganglion cells." Association for Research in Vision and Ophthalmology Annual Meeting, Ft. Lauderdale, FL, April 25-30 2008.

Weber AJ, Ramanathan C, Viswanáthan S, **Harman C,** "Combined BDNF Application to the Eye and Brain Enhances Ganglion Cell Survival and Function in the Cat Following Optic Nerve Injury." Association for Research in Vision and Ophthalmology Annual Meeting, Ft. Lauderdale, FL, April 25-30 2008.

Weber AJ, "Effects of optic nerve injury, glaucoma, and neuroprotection on the survival, structure, and function of ganglion cells in the mammalian retina." Association for Research in Vision and Ophthalmology Annual Meeting, Ft. Lauderdale, FL, April 25-30 2008.



grants

Al-Janadi, Anas; Medicine; \$2,098; Randomized Open Label Multi-Center Study for the Treatment of Hormone Refractory Metastatic; Amgen Inc

Arnosti, David N; Biochemistry & Molecular Biology CNS; Chiu, Chichia C; \$60,456; Molecular Analysis of Transcriptional Repression; NIH/PHS

Arnosti, David N; Biochemistry & Molecular Biology CNS; Henry, Ronald William; \$279,842; Analysis of the COP9 Signalosome for Retinoblastoma Function; NIH/PHS

Bachuwa, Ghassan; Department of Medicine CHM, Flint Campus; \$20,000; impact of non-surgical management of thoracic hyperkyphosis on quality of life, physical activity and ventilatory dysfunction in an elderly population; Pearl J. Aldrich Endowment

Birbeck, Gretchen Lane; Neurology & Ophthalmology COM; \$20,000; Global Burden of Disease Study-Cluster C Team-Neurologic Disorders; University of Washington

Boivin, Michael J; Neurology & Ophthalmology COM; Magen, Jed Gary; Page, Connie F; \$208,516; Cognitive and Psychosocial Benefit of Caregiver Training for Ugandan HIV Children; NIH/PHS

Bush, Tamara Reid; Mechanical Engineering, Mukherjee, Ranjan; Department of Engineering, **Luz, Clare;** \$20,000; Office of Research and Department of Family Medicine CHM, **Rubinstein, Jack;** Department of Medicine CHM; Developing an innovative assistive device using biomechanics and robotics to reduce falls among older adults; Pearl J. Aldrich Endowment

Conley, Barbara Ann; Medicine; \$100; NSABP-T IND 090; Natl Surgical Adj Brst & Bwl Proj Fdn

Conley, Barbara Ann; Medicine; \$5,525; NSABP-T IND 090; Natl Surgical Adj Brst & Bwl Proj Fdn

Davies, Herbert O; Pediatrics & Human Development; Whittam, Thomas S; \$280,910; Genetic Diversity and Molecular Epidemiology of GBS; NIH/PHS

Fales, William; Lammers, Richard L; Department of Emergency Medicine; 1st Simulation Training and Evaluation of Paramedics; EMS for Children.

Fink, Gregory D; Pharmacology & Toxicology COM; \$36,852; Long-Term Neural Determinants of Cardiovascular Disease; Univ of Minnesota

Friderici, Karen H; Microbiology & Molecular Genetics CHM; Thiem, Suzanne M; \$322,454; Autosomal Dominant Hearing Loss; Natl Inst Deafness & Oth Comm Disorders

Gardiner, Joseph; Epidemiology; \$27,287; Health Effects of PCB Exposure from Contaminated Fish; Illinois Univ of Illinois

Goudreau, John L; Neurology & Ophthalmology COM; \$30,609; Parkin and Differential Susceptibility of Dopamine Neurons in Parkinson's Disease; NIH/PHS

Goudreau, John L; Neurology & Ophthalmology COM; \$17,602; Randomized, Double-Blind, Active (Pramipexole 0.5 Mg TID) and Placebo Controlled, Efficacy Study of Pramipexole Given; Univ of Rochester

Goudreau, John L; Neurology & Ophthalmology COM; \$2,593; An Open Label SLV308 Safety Extension to Study S308,3,002 in Patients with Parkinson's Disease Experiencing Motor; Solvay Pharmaceuticals Inc

Goudreau, John L; Neurology & Ophthalmology COM; \$4,994; Randomized, Double-Blind, Active (Pramipexole 0.5 Mg TID) and Placebo Controlled, Efficacy Study of Pramipexole Given; Solvay Pharmaceuticals Inc

Goudreau, John L; Neurology & Ophthalmology COM; \$3,844; Randomized, Double-Blind, Active (Pramipexole 0.5 Mg TID) and Placebo Controlled, Efficacy Study of Pramipexole Given; Teva Neuroscience Inc

Rosenman, Kenneth; Medicine; \$20,000; AOEC Exposure Code System Updates; Assoc Occupational & Environment Clinics

Rosenman, Kenneth; Medicine; \$50,000; State-Wide Asthma Mortality Review; MI Community Health

Schwartz, Kenneth A; Medicine; \$19,802; A Multicenter, Randomized, Open-Label Study Comparing Two Alternative Dosing Regimens of Subcutan; Pharmion Corporation

Weber, Arthur J; Physiology CHM; \$353,675; Structure-Function of the Retina with Neuroprotection; NIH/PHS

Wirth, Julia J; Epidemiology; \$43,975; The Detroit Asthma Morbidity, Air Quality and Traffic Study; MI Community Health

Wagner, Dianne; Medicine; \$77,832; Lansing Patient Safety Initiative Infection Control Education Project; Blue Cross Blue Shield of Michigan Foundation

Xiao, Hua; Physiology/Human Pathology CHM; \$245,546; The Role of a Transcription Cofactor, TIP30, in Tumorigenesis; NIH/PHS



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

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We Need Your Help!

This newsletter is still a work in progress! 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: June 20th

Publication Date: July 10th

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