

Research Matters is an internal monthly newsletter published by Marshfield Clinic Research Foundation.

MCRF and UW Madison Investigators Collaborate to Receive Wisconsin Partnership Program Funding



The Wisconsin Partnership Program represents a far-reaching commitment by University of Wisconsin School of Medicine and Public Health (UWSMPH) to improve the health and well-being of Wisconsin residents through investments in research, education, prevention practices and interventions, and policy development. One of several WI Partnership Program initiatives designed to meet this commitment is the New Investigator Program, which helps promising researchers take innovative approaches to improving health in Wisconsin. UWSMPH recently announced that investigator Amy Kind, MD, PhD in collaboration with MCRF investigator Robert Greenlee, PhD, MPH was awarded a New Investigator Program grant for her project entitled *Discharge Order*

Completeness and 30-Day Rehospitalizations in Rural Wisconsin Nursing Home Patients.

When hospital patients are released to skilled nursing facilities, thorough and timely discharge summaries can help promote patient safety and effective care during the early days after hospitalization. Yet, previous research by Dr. Kind in Madison hospitals shows these reports are frequently incomplete or delayed, and often lack important information on diet, activity level, therapies, and pending laboratory tests for patients on their way to nursing homes. This lack of complete and timely discharge summary reports may play a role in preventable rehospitalizations.



In this new project, Dr. Kind and Dr. Greenlee will work with 3 Marshfield Clinic partner hospitals in northern Wisconsin (Ministry St. Joseph's Hospital in Marshfield, Ministry St. Clare's hospital in Weston, and Flambeau Hospital in Park Falls) to evaluate the extent of discharge summary completeness and its role in rehospitalization rates. "I'm really excited about this project. Much of the research work on the study will be carried out by MCRF staff and is focused on partner hospitals serving rural patients. We'll generate a lot of useful data and experiences that will guide future work on this topic and facilitate other new research projects that involve Marshfield Clinic/hospital collaborations and data access", says Greenlee.

Center for Human Genetics Welcomes Research Associate Scientist Scott Hebring, PhD



Dr. Hebring received his Ph.D. in Biochemistry and Molecular Biology from Mayo Clinic in Rochester. His previous interests include the study of genes and enzymes responsible for folate (Vitamin B9) metabolism, pharmacogenomics and prostate cancer genetics. Scott has recently completed a fellowship from UW-Madison's Computation and Informatics in Biology and Medicine (CIBM) program.

Scott's current work within the Center for Human Genetics includes combining electronic medical records (EMRs) with genomics to identify novel gene-disease interactions. His novel approach is able to screen numerous diseases for association with a set of functional genetic markers. This important work has resulted in a recent publication in the journal *Blood* detailing the role of a genetic marker in chronic lymphocytic leukemia and an accepted publication to *Genes and Immunity*.

Letter to the Editor published in Science magazine



Dr. Amit Acharya, Dental Informatics Scientist, and Dr. Valerie J. H. Powell, a collaborator from Robert Morris University, recently had a Letter to the Editor, entitled, "Disease Prevention: Data Integration," accepted and published in the 7 December 2012 issue of *Science* magazine.

<http://www.sciencemag.org/content/338/6112/1285.2.full>

Science 7 December 2012: Vol. 338 no. 6112 pp. 1285-1286 DOI: 10.1126/science.338.6112.1285-b

2012 MCRF Summer Interns to Present Research at National Venues

Dr. Amit Acharya is proud to announce that both of the MCRF Summer Research Interns which he mentored this past summer, Lauren Janes and Onur Asan, had abstracts of their summer research projects accepted for presentation at a national venue.



Lauren's abstract was accepted by the American Dental Education Association (ADEA). She will present the results of her summer research project, "Development of Patient Friendly Education Modules Focusing on Oral-Systemic Connection" at the National 2013 ADEA, which will take place in Seattle, Washington, on March 16-19, 2013.

Onur's abstract was accepted by the Human Factors and Ergonomics Society (HFES). He will present the results of his summer research project, "Understanding Dental Provider-EHRs Interaction during the Patient Visit in Dental Care" at the 2013 International HFES Annual Meeting, which will take place in Baltimore, Maryland, on March 10-13, 2013.



http://mclweb.mfldclin.org/mcrf/?page=mcrf_updates

Wisconsin Tractor Rollover Protection Program Begins with Focus Groups

The National Farm Medicine Center has concluded focus groups with farmers in Spencer, Abbotsford, Marshfield, Pittsville and Granton as part of its new Wisconsin tractor rollover protection program. Twenty participants reviewed potential marketing ads designed to encourage farmers to retrofit their tractors with a rollover protective structure (ROPS), typically a cab or rollbar.

The program will reimburse farmers up to 70 percent of the cost up to a total of \$865. The program is sponsored by the National Farm Medicine Center of Marshfield Clinic Research Foundation, with first-year funding provided by the Auction of Champions, an annual event that raises money for the Farm Center.



Julie Sorensen, Deputy Director for the New York Center for Agricultural Medicine and Health (NYCAMH), conducted the focus groups with assistance from Farm Center staff Tammy Ellis and Barbara Marlenga, PhD. NYCAMH is in its seventh year of offering ROPS rebates to New York farmers. The Wisconsin program is being patterned after the successful New York program, and should be installing ROPS by June 2013. Dr. Marlenga estimated that the program could encourage the installation of approximately 50 ROPS in its first year.

Several volunteers were instrumental in organizing the focus groups: Mark Zimmerman, Spencer High School Agricultural Education Instructor and FFA Advisor; Maria Bendixen, Clark County UW-Extension dairy and livestock agent; Heather Roth, Marshfield Clinic Division of Education; Jerry Minor, Pittsville Fire Company Chief; and Cheryl Steinbach, Granton High School Agricultural Education Instructor and FFA Advisor.

“We sincerely appreciated the time farmers spent reviewing the ads and providing candid feedback especially with their busy schedules,” Ellis said. “The good turnout and great discussions reinforced the importance of installing ROPS to reduce the leading cause of deaths on the farm.”

A three-minute video, featuring dairy producer Bill Herr, Greenwood, explains the need for a tractor rollover protection program. It can be viewed on the Farm Center’s home page, <http://www.marshfieldclinic.org/nfmc>.

For more information, contact the National Farm Medicine Center, 1-800-662-6900, <http://www.marshfieldclinic.org/nfmc/> or nfmcsh@mcrf.mfldclin.edu.

ICTR Funding Opportunities

As a reminder, Letters of Intent are due Monday, January 14, 2013, or February 1, 2013, for the following RFA Award Programs. The Institute for Clinical and Translational Research (ICTR) offers annual funding to clinical and translational researchers at UW and Marshfield Clinic. The table below details the ICTR Award Programs for 2013. Individual RFAs and applications are available for each category at <https://ictr.wisc.edu/FundingOpportunities>.

RFA Award Program	Maximum \$ /Time	Letter of Intent	Application Due
<u>Clinical and Type 1 Research Pilot Awards Program</u> (Release: December 1, 2012)	\$50,000/ 12 Months	2/1/2013	3/15/2013
<u>Type 2 Translational Research Pilot Awards Program</u> Program (Release Date: December 1, 2012)	\$75,000/ 12 Months	1/14/2013	4/1/2013
<u>Dissemination & Implementation Research Pilot Awards Program</u> (Release Date: December 1, 2012)	\$150,000/ 18-24 Months	1/14/2013	4/1/2013
<u>Patient Centered Outcomes Research Pilot Awards Program</u> (Release Date: December 1, 2012)	\$100,000/ 12 Months	1/14/2013	4/1/2013

Epidemiology's Christmas Food Drive

Christmas is a time of year for celebrating with friends and family. Also it is a time of hope and generosity. Exchanging gifts can be a traditional setting for some, while others just hope to share a meal. Locally, the pantry expressed that this same time of year has been a difficult time for them to keep the shelves stocked. As a group, the Epidemiology Department pulled together their efforts and provided a unified support to the Marshfield Community by collecting a significant donation to the Saint Vincent DePaul



pantry. This food drive took the shape as one of the Christmas festivities leading up to the department's Christmas party. (continued on next page)

Food Drive (continued)

After contacting the food pantry to inquire about the items they collected and struggle to keep in stock, they gave a list of items that are the most difficult to keep on the shelves, what goes the quickest, what the back-ups are, and other suggested preferences. It was learned that fruits are their hottest commodity trailed by vegetables. Next in line was peanut butter and jelly as these were described to be the back-ups and they also tend to fly off the shelf rather quickly. There was an additional suggestion for boxed meals as a good and healthy choice to hand out to families. They even expressed their need for some fresh items such as fresh fruits/vegetables or breads.

The activity began by dividing the department into random teams. There was a point value system installed for the various items to be collected. The categories included: fruits, vegetables, peanut butter/jelly, boxed meals, cereals, grains, various canned, and miscellaneous items. The point system gave higher points for those items of greater need at the pantry. Fruits had the highest point value and vegetables were the second ranking group. The guide was provided as a reference, but anything that came through the door was welcomed. Each team brought collaborative efforts to their separate collections as they strived to go for gold and take the prize of victory all in one week.

As it can be seen in the picture above, Epidemiology was very successful in their mission to give the families of Marshfield hope during the holiday season. Together, the group collected 540 items that were loaded up in several vehicles and delivered on December 21, 2012. This collection included fresh fruits and vegetables, an abundance of canned fruits and vegetables, juices, boxes of cereal, a good supply of grains, and so much more. Epidemiology took a stance against hunger in our home communities and brought a little Christmas magic to Marshfield.

In Addition:

- The next MCRF Full Foundation meeting is Thursday, January 10th, 9:00 AM in the Froehlke Auditorium.
- *Research Matters* is always accepting announcements. Your contributions are truly appreciated.

Contributors to this issue: Bobbi Bradley, Scott Heiberger, Sally Lang, Jeanette Normington, Kristina Reisner, Dixie Schroeder

Edited by: Alexis Tavano, MPH, tavano.alexis@mcrf.mfldclin.edu, ext. 1-8939.

MERC Flu Team Contributes to CDC Analysis of Vaccine Effectiveness

The flu season started earlier than usual this year, and the MERC flu team began enrolling patients in mid-December. On January 11 CDC published an early estimate of influenza vaccine effectiveness in the MMWR. The report was based on data from five sites around the country, including MCRF. The overall estimate of vaccine effectiveness was 62%, similar to what has been found in prior years. Other participating sites include the University of Michigan, University of Pittsburgh, Scott & White Health Care in Texas, and Group Health in Seattle. The estimated effectiveness against influenza A was 55 percent and against influenza B 70 percent.



The researchers estimate vaccine effectiveness by enrolling patients with acute respiratory illness and collecting nose and throat swabs for PCR testing. The overall vaccine effectiveness is estimated by comparing the proportion of patients with and without the flu who received the vaccine. For the report, researchers looked at data from 1,155 children and adults who had acute respiratory infections between December 3, 2012, and January 2, 2013. For the interim analysis, MCRF contributed the greatest number of enrollments and had the greatest number of influenza B cases. About 50 percent of those tested were positive for one of the flu viruses.

The Epidemiology Research Center has been conducting CDC funded influenza vaccine research since the 2004-05 season. The project manager for the 2012-13 season is Maria Sundaram, MSPH. "Every year this study requires a large multidisciplinary team working together to be ready for a flu season that could begin at any time," said Dr. Ed Belongia, who serves as local PI for the study. "This is a complex and intense study that succeeds thanks to our highly skilled and dedicated research team, including our research coordinators/interviewers, epidemiologists, programmers, and core lab staff." As of February 4, MERC staff had enrolled more than 1100 patients in the study, and 58% were positive for influenza. Flu activity has started to decline, but enrollment is expected to continue into March.

The initial report on vaccine effectiveness is available online (www.cdc.gov/mmwr/preview/mmwrhtml/mm6202a4.htm), and a follow-up report is being planned. On the day the report was released, Ed Belongia, M.D. and the Marshfield Clinic Research Foundation appeared online in nearly 200 news outlets, either through the distribution of the press release or interviews.

The University of Wisconsin Institute for Clinical and Translational Research (ICTR) announces the request for KL2 Program Applications



Photo obtained from:
<http://catalyst.harvard.edu/services/kl2>

The KL2 Program is a mentored career development award intended to train and support UW Madison junior faculty pursuing and actively engaged in clinical and/or translational research careers.

ICTR will hold 2 information sessions to discuss the application process for 2014 KL2 Program Awards. Potential applicants and their 2 proposed mentors are strongly encouraged to attend one of these sessions:

Wednesday, April 3, 2013 from 12:00 - 1:00pm in HSLC 2158

Or

Friday, April 12, 2013 from 11:30am - 12:30pm in HSLC 2158

KL2 Candidates must be nominated by their department chairperson or school/college dean. The nomination letter deadline is **June 1, 2013**. Applications are due by **August 1, 2013**. Award announcements will be made in December 2013. The cohort selected from this round of applications will start on June 1, 2014.

Attached please find the KL2 Program RFA. Application materials (including the Dean/Chair sample Letter of Nomination) can be found at this link: <https://ictr.wisc.edu/KL2Scholars>



KL2 RFA for 2014
Awards.doc

For more information regarding ICTR's KL2 Program, please visit <https://ictr.wisc.edu/> or contact ICTR Administrator Pamela Asquith at psasquith@wisc.edu.

Final Changes to HIPAA Rules Implementing HITECH



Photo obtained from: <http://www.hhs.gov/ocr/privacy/>

The Department of Health and Human Services has published modifications to the HIPAA Privacy, Security, Enforcement and Breach Notification rules to implement provisions of the Health Information Technology for Economic and Clinical Health (HITECH) Act and the Genetic Information Nondiscrimination Act (GINA). The Office of Research Integrity and Protections is in the process of reviewing and analyzing the 500+ page document, but initial discussion in the research regulatory community is that the following modifications will impact research most significantly:

1. Combined authorizations – Under the current rule, subjects are able to authorize banking of their protected health information (PHI) for future research, but researchers are not allowed to ask subjects to authorize the actual future research. Researchers are also not allowed to combine authorization for treatment research with authorization to bank PHI for future research. At the time the future research with banked PHI is to take place, the researcher is required to either obtain authorization from the subjects for the specific research activity or ask the IRB to waive the authorization requirement. The revised rule now allows researchers to combine authorization for current research with authorization for future research as long as the purpose of future research is adequately described.
2. Change to breach reporting – The definition of a “breach” has been revised to create a presumption that an impermissible use or disclosure of PHI is a reportable breach. The current rule includes a harm standard that triggers reporting of a breach to research subjects and the government. Under the revised rule, a breach is reportable unless it can be demonstrated that there is a low probability that PHI has been compromised.
3. Sale of PHI – The HITECH Act restricted sale of PHI, with an exception for research. The revised regulation now implements this requirement. PHI may be exchanged for remuneration for research purposes as long as any remuneration is limited to that necessary to cover the cost to prepare and transmit the PHI. Fees may be charged for both direct and indirect costs including labor, materials and supplies for generating, storing, retrieving and transmitting PHI. Labor and supplies to ensure PHI is disclosed in a permissible manner and related capital and overhead costs are also allowable. Additional guidance is expected from the Office of Civil Rights on this topic.



Photo obtained from:
<http://www.hhs.gov/ocr/privacy/hipaa/understanding/special/genetic/>

ORIP Quarterly Update: Policies/Procedures/Guidances and Forms

These revisions are in effect as of **January 1st, 2013**, unless otherwise noted.



ORIP Updates.docx

The First “Silver” Shining Star

Marshfield Clinic physician and researcher, Dr. Adedayo Onitilo, is the first person to be recognized 5 times through the Marshfield Clinic Shining Star program. Pictured with Dr. Onitilo are Shining Stars recognized by the same donor - Jill Depke, oncology nurse practitioner, and Pat Kinney, Weston Center administrator, accepting the Shining Star certificate on behalf of the entire Weston Center. Dr. Onitilo is proudly holding his silver Shining Star pin, which is given to those recognized 5 times. The Shining Star program offers grateful patients and their families the opportunity to recognize someone who has made a significant difference in their care at Marshfield Clinic by making a philanthropic gift in their honor.



Dr. Onitilo is a busy clinician, caring for patients in Weston and Stevens Point, and is also an accomplished investigator who focuses his efforts on cancer-related research. In addition, Dr. Onitilo serves on the MCRF Board of Trustees.

Epidemiologist Joins MERC



Jennifer King joined the Epidemiology Research Center as a Masters Prepared Epidemiologist in January. King will support ongoing development and research within the Epidemiology research program with a focus on the Vaccine Safety Datalink cohort, a resource for population-based vaccine research. King received her Master of Public Health from Emory University, Rollins School of Public Health, and has an undergraduate degree from Marquette University. Previously, King worked at Northwestern University, Feinberg School of Medicine where she was the project lead for a large multi-site grant to determine the prevalence of consumer misunderstanding of over-the-counter pain relievers and to investigate feasible interventions to prevent

unintentional misuse. “The opportunity to contribute to a nationally recognized and respected research foundation while also enjoying the comforts of a more relaxed pace of life attracted me to Marshfield Clinic and Marshfield itself. I enjoy golfing, softball, volleyball and being outdoors in general and since moving to Marshfield I am eager to try curling,” said King. Please join in welcoming Jennifer King to Marshfield.

http://mclweb.mfldclin.org/mcrf/?page=mcrf_updates

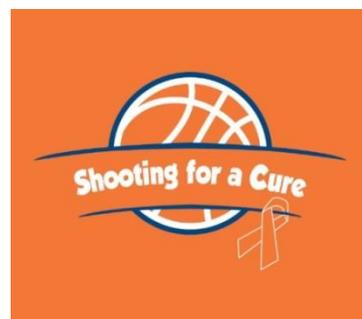
MCRF Director Invited to Participate in World Health Organization Meeting



Dr. Ed Belongia, MCRF Center Director for MERC was invited to participate in the World Health Organization International Meeting on Influenza Vaccine Effectiveness (VE). WHO brought together targeted VE experts throughout the world to review the status of influenza vaccine effectiveness research and establish guidelines and best practices for conducting VE studies in other countries. There was a particular focus on the challenges of implementing vaccine effectiveness research in countries with limited resources. The meeting took place December 3rd & 4th in Geneva, Switzerland.

Shooting for a Cure Event to Benefit Cancer Research at MCRF

Many of you within Marshfield Clinic Research Foundation know Teri Wilczek, the Clinic's chief development officer. Teri and her family have done something special to support cancer research at MCRF.



This past September, Teri's mother, Jane Herr, lost her courageous battle with leukemia. When Teri and her husband Ron, who coaches the UW Marshfield Wood County Marauders men's basketball team, thought of how they could raise awareness of leukemia, they came up with a great idea. This

Saturday, February 9, the Marauders men's basketball team will host their first "Shooting for a Cure" event as they take on UW Rock County **at 3:00 pm** at UW-Marshfield Wood County. Not only will Ron coach the game, but Teri's brother, Brandon, is a member of the team as well.

Please show your support of Teri and her family as well as cancer research by coming to the game and wearing orange, which symbolizes leukemia awareness. There will be several raffles at the game, fun activities for the kids and other great ways to participate. The players are also seeking donations to directly support cancer research at Marshfield Clinic.

If you have any questions, would like to support the event or get involved, please contact Pete Schmeling, Development Officer – Research, at 715-389-3238 or schmeling.pete@marshfieldclinic.org.

Core Laboratory Congratulates Staff Member

Wayne Frome was recognized on January 15th for his 45th year of service at the Marshfield Clinic Research Foundation (MCRF). Wayne ranks 5th overall in “male” longevity of current clinic employees. Dr. Jennifer Meece, Director of Core Laboratory, said Wayne has been a dedicated and trusted employee of MCRF for a very long time. He has witnessed decades of change and has adapted to a vastly different work place over time as technology has changed. Every day he comes to work with a “bring it on” attitude. We congratulate Wayne on his many years of service and dedication.



In Addition:

- Dr. Robert Steiner, candidate for the position of Director of MCRF, will be presenting “Background and Vision for the Foundation” on **Tuesday, February 12th** from 10:00 to 11:30 in the Froehle Auditorium. Laird 50 is also reserved for overflow if needed. If you are at another Center or unable to attend in person and would like to watch the presentation via Media Site, please use the following link:
<http://mediasite01a.mfldclin.edu/mediasite/SilverlightPlayer/Default.aspx?peid=5e11e625f78a408fb96fede96e98782d1d>
- Rich Seubert’s Celebrity Trap Shoot Returns for 2013! Join us **Saturday, April 13** at the Rod & Gun Club in Eau Claire. Proceeds support Cardiology Research at Marshfield Clinic. Contact Development at x79249 for more information.
- The next Scientific Writing Workshop will be held in March 2013. This workshop has 2 sections, a two-day Manuscript Writing section and a one-day Grant Writing section. For more information, contact Karin Silet, silet@wisc.edu, (608) 262-3903.
- *Research Matters* is always accepting announcements. Your contributions are truly appreciated.

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http://mclweb.mfldclin.org/mcrf/?page=mcrf_updates

Marshfield Clinic Physician Published in *New England Journal of Medicine*



Dr. William G. Hocking, Oncologist/Hematologist and former President and CEO of Marshfield Clinic, participated in research leading to the publication of *Selection Criteria for Lung-Cancer Screening* in the February 2013 issue of the *New England Journal of Medicine* (NEJM). The results from the Prostate, Lung, Colorectal, and Ovarian (PLCO) Cancer Screening trial showed that the modified lung-cancer risk-prediction model from the PLCO was more sensitive than the risk factors used by the National Lung Screening Trial. Dr. Adedayo Onitilo said, "What an honor! (Less than 1% of providers/scientists get into NEJM). It is great to see the results of this study being published again, especially since the results may influence screening, early detection and

management of patients with lung cancer. The Marshfield Clinic was one of the highest enrolling sites for this study. Kudos to our oncologists and CCOP program. This publication and the significant patient involvement really show the strength of our Marshfield clinic." The full article can be viewed at this link: <http://www.nejm.org/doi/full/10.1056/NEJMoa1211776>.

N Engl J Med 2013; 368:728-736, February 21, 2013; DOI: 10.1056/NEJMoa1211776

ORIP Compliance Officer Published in *The Monitor*

Melissa Ostrowski, JD, CHRC, Compliance Analyst, Office of Research Integrity & Protections, was a contributing author to the April 2013 issue of *The Monitor*, a peer-reviewed bi-monthly publication of the Association of Clinical Research Professionals. Ostrowski's article, *Planning for and Responding to Research Subject Withdrawal*, highlights the requirements and considerations to be made by investigators when subjects must be removed from a clinical study, or voluntarily withdraw from participation. The complete article can be viewed at the following link:

http://www.nxtbook.com/nxtbooks/acrp/monitor_201304/index.php#/36

The Monitor, 27:35-38; April 2013 ISSN 1088-2111



Collaboration between Marshfield Clinic and UW-Stevens Point Finds Association between Geographical and Seasonal Access to Mammography Services and Stage of Breast Cancer at Initial Diagnosis



Dr. Adedayo Onitilo, Clinical Epidemiologist and Marshfield Clinic Oncologist/Hematologist, and Mr. Doug Miskowiak, UW-Stevens Point Geographic Information Systems (GIS) Education Specialist, presented the results of their research collaboration entitled “Geographical Access to Mammography Services and Stage of Breast Cancer at Initial Diagnosis” at the Wisconsin Land Information Association (WLIA) annual meeting in Lake Geneva on February 15, 2013. Because early diagnosis of breast cancer is an important prognostic indicator,

missed mammograms represent missed opportunities for earlier diagnosis, and geographical access to mammography services is an important factor in mammography screening. Dr. Onitilo, as Principal Investigator, sought to utilize modern GIS technology to determine the association between geographic proximity to mammogram centers and stage of breast cancer at diagnosis. Results of this study showed that increased travel time to nearest mammogram facility was associated with more advanced breast cancer at diagnosis and that women underwent mammography less frequently during the winter months. Their presentation at the WLIA meeting has led to an invitation to present findings of this study to the Wisconsin Department of Health Services. This successful collaboration between Marshfield Clinic and UW-Stevens Point is one of the first that has been established, and there is much promise of future research endeavors between the two organizations.

Core Laboratory Celebrates Career of Mary Vandermause

The Core Laboratory celebrated the retirement of Mary Vandermause on April 4, 2013 after 42 years of service to Marshfield Clinic. Mary started her career in Marshfield working at St. Joseph’s Hospital in 1970. She then transitioned to working for Marshfield Labs and later to Marshfield Clinic Research Foundation in 1998. Along the way, Mary worked on many research projects in the clinical laboratory, with colleagues in Epidemiology, Center for Human Genetics and Clinical Research. On her last day, Mary reminisced about all the changes she witnessed during her career in Marshfield.



“Mary has been a trusted co-worker and friend in the Core Laboratory. She provided significant leadership for many projects and her insight and experience will be greatly missed,” according to Jennifer Meece. We wish Mary the best of luck in her future endeavors.

Research Committee Process Changes: Effective April 1, 2013

On April 1st the Research Committee adopted procedural changes to provide earlier proposal development guidance to investigators who seek intramural funds for research projects.

The principal task of the Research Committee is to determine the scientific merit of those research proposals that seek intramural funds. In that role, the Committee seeks to establish and maintain a supportive relationship with investigators to facilitate and promote the highest quality research standards. To that end, the Committee requires that the investigator first submit a “pre-proposal” (PP) in which he/she presents a concise overview of the research project plan. The Committee will evaluate the PPs promptly (no submission cycle) during a convened meeting, and provide guidance and feedback on the proposal to ensure a quality project moving forward. The use of PPs is encouraged as of 4/01/13, and required as of 10/01/13.

Once the PP is approved, the investigator proceeds with the creation of a more detailed “full proposal” (FP). The Committee subsequently reviews the FP for scientific merit during a convened meeting. A general expectation is that FP applications are submitted for Committee review no more than 6 months after the PP approval. The FP follows the same format, application, and review process previously used for projects seeking intramural funds, but utilizes a “new name” to differentiate it from the PP application and process.

Some other changes to also be aware of:

1. To ensure an ongoing quality focus for internally funded studies, a maximum of three active studies approved by Research Committee per PI will be allowed.
2. Studies are typically expected to conclude within two years. One timeline extension request, up to one additional year in length, may be considered for each project.

The Research Committee Procedure Manual, the Internal Funding Policy (#253), and all Research Committee forms are updated (or created) to reflect the changes. Please see these documents for more detail – available in the Policy and Forms library and the ORIP intranet site. Questions may be directed to Kathy Leick, RC Administrator, @ ext #1-8840.

ORIP Quarterly Update: Policies/Procedures/Guidances and Forms

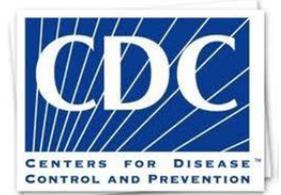
These revisions are in effect as of **April 1st, 2013**, unless otherwise noted.



ORIP Policy and
Form Updates 04-01-

CDC Visits MCRF

On Feb 25 and 26, a team of five investigators visited MCRF from the Influenza Division at CDC. They met with members of the influenza vaccine effectiveness investigation team in the Epidemiology Research Center and the Core Lab to discuss 2012-13 seasonal enrollment, review the status of ongoing influenza research, and plan future research activities.



http://mclweb.mfldclin.org/mcrf/?page=mcrf_updates

Child Safety Campaign Keeps Priorities Straight on the Farm

You're a parent first, farmer second.



That is the message of a national campaign to keep children safe on the farm. The National Children's Center for Rural and Agricultural Health and Safety, at Marshfield Clinic, is

working with a Twin Cities marketing agency to spread the word about its many safety resources.

A new website, <http://cultivatesafety.org>, provides one-stop shopping for keeping children safe while they work and play in agricultural settings. It includes easy-to-use information about child development and best-practice work guidelines. An interactive feature allows users to upload stories (in words, photos or video) about child injury incidents on farms so that farm families can learn from one another.

It didn't take Josh Meissner long to join the campaign. The Chili, Wis., dairy producer is pictured in one of the ads. "The campaign's message puts things in perspective," Meissner said. "No matter how important the farm is to our way of life, it is never worth the life of a child."

Although farm injuries and deaths are tragic, much can be done to prevent them, said Barbara Lee, Ph.D., director of the National Children's Center. "It starts with getting the right information to the right people at the right time so they are motivated to take action," Dr. Lee said.

The multi-pronged campaign is focusing first on Wisconsin with print ads, Internet banner ads, radio ads and media releases. Visitors to Marshfield Clinic's Marshfield Center are seeing the ads on monitors throughout the medical complex.

The campaign is part of an intervention to determine if working with an agricultural marketing firm is effective in reaching farm parents and ultimately minimizing injuries and fatalities to children under 18 years of age.

Meissner, partner in Norm-E-Lane Farm, said he's gotten positive feedback on the campaign. "Everyone seems to love it," he said. "Most say, 'Parent first, farmer second,' is a very cool message, and it's something I can identify with. As farms grow, change and get busier, there comes an increased responsibility for the safety of our families and employee's families."



MCRF TO Welcome Research Interns this May

As spring arrives, the change of season marks the start of a special annual research program. MCRF welcomes a diverse group of students to the 2013 Summer Student Research Internship Program (SSRIP). Through this program which began in 1978, students have a chance to put their education into practice as they work side-by-side with scientists who are experts in their fields.

The SSRIP is supported entirely through philanthropy. This year marks a special milestone. Thanks to the generosity of many community partners, Clinic employees, foundations, businesses and a major sponsorship by The Boldt Company, the program has the financial resources to expand to 10 students for the first time in its history.

The MCRF Summer Student Internship Program is proud to announce this year's 2013 Summer Interns and Mentors:

Student	University	Mentor
Amy Callear	University of Pittsburgh	Steve Schrodi, PhD- CHG
Christopher Campbell	University of Minnesota	Anna Schotthoefer, PhD- Core Lab
Anna Gajewski	Emory University	TBD, MERC
Andrew Kuhn	UW - Stout	Max He, PhD- BIRC
Patrick Lau	John Hopkins University	Steve Yale, MD- CRC
Emily Olson	St. Olaf College	TBD, CRC
Stephanie Omage	University of Texas Health Science Center at Houston	Simon Lin, MD & Robert Moritz- BIRC
Erica Swenson	UW - Stevens Point	Elisabeth McPherson, MD- Medical Genetics
Adam Sorenson	UW - La Crosse	Amit Acharya, PhD- BIRC
Megan Vesel	Northern Michigan University	Amit Acharya, PhD- BIRC

Directed by Huong McLean, PhD, MPH and Bobbi Bradley, MPH, SSRIP will run May 20 – August 9. Please mark your calendar, SSRIP will continue its tradition of concluding with a Research Symposium on Thursday, August 8, 8:00AM – 1:00PM in the Froehle Auditorium.

Rich Seubert's Celebrity Trap Shoot Returns to Support the Celine Seubert Endowment in Cardiology Research



Super Bowl champion and Wisconsin native Rich Seubert continues to lead efforts that raise awareness and support for heart research, because he knows firsthand how heart disease affects Wisconsin families.

Rich Seubert's Celebrity Trap Shoot, presented by Security Health Plan, returns this year on April 13 to the Eau Claire Rod & Gun Club.

"Heart disease is the No. 1 killer of Wisconsin residents, which is why we need to continue to support research that leads to better care and cures," Seubert said. "You don't need to be good at shooting trap to have fun and help support heart research."

Seubert created the Celine Seubert Endowment in Cardiology Research at Marshfield Clinic Research Foundation in honor of his grandmother, Celine Seubert, who had a heart transplant more than 25 years ago. The endowment is earmarked to benefit heart research and is currently held by Shereif Rezkalla, MD.

The Trap Shoot was launched in 2008 on the heels of the New York Giants' Super Bowl win. Seubert, who played for the Giants from 2001 to 2010, will be joined by his former teammates, Kareem McKenzie and Kevin Boss, and current Giants offensive lineman Jim Cordle. Patrick Flanigan, a world-record professional shooter, also will participate.

"The trap shoot supports research to continue to push heart care forward at the Clinic, all in an effort to improve the lives of people in Wisconsin," said Matt Schneider, Clinic regional development officer.

Registration is \$1,000 per five-person team or \$200 per individual shooter and includes:

- Support of heart research at Marshfield Clinic
- Lunch
- Ammunition
- Event shirt
- Reception
- Opportunity to meet professional athletes

A \$100 spectator entry fee includes everything except the opportunity to shoot. The fee for only attending the reception is \$50.

For more information or to register, call 715-387-9249 or email giving@marshfieldclinic.org. For online registration and additional information, visit: <http://www.marshfieldclinic.org/trapshoot>.

MCRF Regulatory Affairs Specialist Invited to Serve on NCI Panel

National Cancer Institute
at the National Institutes of Health

Ms. Debra Schillinger, Oncology Regulatory Affairs Specialist, has been invited to serve on the National Cancer Institute's (NCI) Central Institutional Review Board's (CIRB) Local Site Advisory Panel (LSAP). The LSAP provides feedback to the CIRB Operations Office regarding any changes to current CIRB policies and procedures. The LSAP is also welcome to discuss any concerns and/or issues with the CIRB. Ms. Allison Peel, Outreach Specialist at NCI CIRB Operations, said of Schillinger, "Your experience in the independent model pilot study would be of great benefit to the LSAP."

In Addition:

- The next Full Foundation Meeting will be held on Wednesday, April 17th, from 10 to 11AM in the Froehlike Auditorium. This will be Dr. Steiner's first meeting as Executive Director of MCRF. Please plan on attending to welcome Dr. Steiner and to thank Dr. Leer for all the time he has dedicated to MCRF. As in the past, questions can be emailed or routed to Jeanette Normington. (The source of all questions will remain confidential.)
- Ed Belongia, MD gave a keynote presentation entitled *Are vaccines safe? Evidence, Opinion, and YouTube* at the 55th Annual Conference of the Wisconsin Society of Science Teachers, March 14 – 16, 2013.
- *Research Matters* is always accepting announcements. Your contributions are truly appreciated.

Contributors to this issue: Bobbi Bradley, Jessica M. Engel, Scott Heiberger, Linda Jaros, Kathy Leick, Kristin Martinez, Jennifer Meece, PhD, Jeanette Normington, Adedayo Onitilo, MD, Melissa Ostrowski, Pete Schmeling

Edited by: Alexis Tavano, MPH, tavano.alexis@mcrf.mfldclin.edu, ext. 1-8939.

Marshfield Welcomes New Executive Director



Robert D. Steiner, MD, comes to us from Portland, Oregon. He is the Executive Director at Marshfield Clinic Research Foundation, Chief Science Officer Marshfield Clinic, and Executive Associate Director, University of Wisconsin Institute for Clinical and Translational Research (ICTR). Steiner was formerly Credit Unions for Kids Professor of Pediatric Research, Professor of Pediatrics and Molecular & Medical Genetics, and Vice Chair for Research in Pediatrics at Doernbecher Children's Hospital and the Institute for Developmental Disabilities, Oregon Health & Science University (OHSU) in Portland, Oregon. Steiner earned his BS with Honors from the

University of Wisconsin, followed by MD from the University of Wisconsin School of Medicine. He subsequently completed residency in pediatrics at Cincinnati Children's Hospital Medical Center and fellowship in medical genetics at the University of Washington and Seattle Children's Hospital. Dr. Steiner is board certified in pediatrics, clinical genetics, and clinical biochemical genetics. For more on Dr. Steiner's background, please contact Jeanette Normington at ext. 93140.

Work of Researchers and Dedicated Rural Cancer Research Staff Continues to Make an Impact



Drs. Douglas Reding and William Hocking have long been involved in research for ways to reduce mortality from cancers. A large part of their research efforts were conducted through the Prostate, Lung, Colorectal and Ovarian Cancer Screening Trial (PLCO) and the National Lung Screening Trial (NLST) which were funded by the National Cancer Institute. With the dedicated assistance of the staff in the Rural Cancer Research Center (RCRC), more than 17,000 participants were enrolled in

PLCO and more than 2,500 participants were enrolled in NLST at Marshfield. Although the main phase of follow-up for PLCO ended in 2011, Marshfield continues to be involved in passive follow-up of participants under the direction of Robert Greenlee, PhD through 2016. NLST ended in 2009.

In addition to PLCO and NLST, RCRC staff were involved with many studies related to the health of farmers and Hispanic migrant farm workers beginning in the mid-1990s. These studies have had a significant impact on the health of the nation in general, and Wisconsin in particular. Under the leadership of Dr. Reding and Karen Lappe, Study Coordinator, the RCRC facilitated

over \$30 million in grants from sources such as the NIH, CDC, and NIOSH and while the RCRC staff has moved on, the work they completed continues to make an impact.

PLCO and NLST publications can be viewed at <http://prevention.cancer.gov/plco/pubs>; and <http://www.cancer.gov/clinicaltrials/noteworthy-trials/nlst/publications-from-nlst>. For questions related to PLCO/NLST or other studies the RCRC was involved with, please contact Deb Multerer at Ext. 93108.

New Software – iRIS – to be Implemented by ORIP

The Office for Research Integrity and Protections (ORIP) will be implementing a new software solution which includes electronic submission to and review by the Institutional Review Board (IRB) and Research Committee (RC). The application, being installed and configured as a team effort with ORIP and BIRC's Infrastructure and Central Resource (ICR) group, is an iMedRIS product called iRIS. iRIS stands for Integrated Research Information System.

The vendor/product selection phase of the project began in the summer of 2012, with contract negotiations finalizing in early 2013. A development/test version of the application is now available for the team to begin mapping data with existing research information systems. The team is planning for a pilot period of Aug 1 to Aug 30th with an anticipated go-live date of Sept 1.

If you have any questions about this project please contact Bryan Weichelt, BIRC IT Project Manager.

Marshfield Clinic Physician Takes Leadership Role with Wisconsin Medical Society

[Wisconsin Medical Society \(WMS\)](#) members elected Richard A. Dart, MD of Marshfield president-elect during the Society's annual meeting in April. Dr. Dart has served as a member of the Society's Board of Directors and in several other leadership roles during his 40-year tenure with the Society.

Dr. Dart will take office in 2014 as the Society's 163rd president, succeeding Dr. Timothy McAvoy. The Wisconsin Medical Society is the largest association of medical doctors in the state and a trusted source for health policy leadership.



"This is a truly distinct honor, an exceptional opportunity and a challenge," Dr. Dart said. "Health care is in a state of flux. This is a unique period and a time to shape the way of health care for the future, especially as that impacts on the care of citizens of Wisconsin and the physicians, and allied health care providers who care for them."

Dr. Dart is an adjunct clinical professor of medicine at the University Of Wisconsin School Of Medicine and Public Health's Marshfield Campus and serves as an attending physician at the St. Vincent Free Clinic in Marshfield.

http://mclweb.mfldclin.org/mcrf/?page=mcrf_updates

Dr. Dart is a graduate of the University of Illinois, College of Medicine and is board certified in internal medicine and nephrology. Dr. Dart retired from Marshfield Clinic as a nephrologist after serving from 1973 to 2007. Currently he serves as an Emeritus Research clinician in the Center for Human Genetics at the Marshfield Clinic Research Foundation.

Marshfield Center Neurologist Involved with National Migraine Prevention Study



Dr. Hema Murali, Marshfield Center Neurologist, is participating as Principal Investigator on a clinical trial funded by the National Institute of Neurological Disorders and Stroke (NINDS). The study is titled, “The Childhood and Adolescent Migraine Prevention Study (CHAMP)”.

The purpose of this study is to test two medicines – amitriptyline and topiramate – for migraine prevention in children and adolescents. In the study, researchers will compare amitriptyline and topiramate to placebo (a sugar pill) and to one another to see if the study drugs are better than placebo in reducing headache frequency in children and adolescents ages 8 to 17 with migraines. At this time, there are no FDA (Food and Drug Administration)-approved medicines in the United States for the prevention of migraine headaches in children and adolescents.

The study will enroll 675 participants at up to 40 locations throughout the country, and will occur in three phases—screening, treatment, and weaning off medication. For participants, this study includes at least 8 study site visits, and a total duration of about 34 weeks. Pam Mundt is the lead clinical research coordinator for the trial.

BIRC Analyst Selected as PCORI Panelist

Daniel Wall, Applications Analyst in the Biomedical Informatics Research Center, has been selected as one of 84 panelists – out of over 1200 applicants – to participate in a Patient-Centered Outcomes Research Institute (PCORI) Advisory Panel. The panel on which Wall is participating is the Advisory Panel on Assessment of Prevention, Diagnosis, and Treatment Options. Dr. Anne Beal of PCORI said, “Although not policy-making bodies, the panels are critical to our commitment to meaningfully factor stakeholder input into the process of developing and refining our research portfolio.” Daniel will be representing patients, caregivers, and patient advocates on the panel, which will evaluate topics such as bipolar disorder, ductal carcinoma in situ, migraine headache, and osteoarthritis.



HMO Research Network Conference

Marshfield Clinic Research Foundation had a substantial presence at the 19th annual HMO Research Network Conference entitled *Advancing Research in the Era of Healthcare Reform*, April 16-18, 2013 in San Francisco, CA. Twenty-two MCRF investigators and staff were involved in the authorship of 11 accepted posters. Posters with a Marshfield first author include:

Investigator	Poster
Jessica Engel, NP – Lead Author	Advanced Pancreatic Cancer: Patterns of Care and Recommendations for Education and Support
Robert Greenlee, PhD – Lead Author & Presenter	Accuracy of Diagnostic Codes to Identify Rheumatoid Arthritis in Archived Electronic Health systems Data: Support for Future Cancer Research Network Studies of Lymphoma Risk Pathways
Jay Fuehrer – Lead Author & Presenter	Comparison of Two Different Methods of Classifying Periodontal Disease Severity
Zhiyi Zhou – Lead Author Aaron Miller, PhD – Presenter	Informatics Challenges to Implement Pharmacogenetics to Clinical Practice
Jeff VanWormer, PhD – Lead Author & Presenter	Heart Health in Your Pocket: Lessons Learned from the Development of a Smartphone App
Adedayo Onitilo, MD – Lead Author Rachel Stankowski, PhD – Presenter	Geographical Access to Mammography Services and Stage of Breast Cancer at Initial Diagnosis in Wisconsin

The HMO Research Network is an organization of 18 health care delivery organizations with defined patient populations and formal research programs, whose mission is to use collective scientific capabilities to integrate research and practice for the improvement of health and health care among diverse populations.

Through membership in the HMO Research Network, investigators have access to a large defined population base to carry out clinical epidemiology, comparative effectiveness, and translational health services research as a means to advance clinical care and population health. MCRF leveraged the Marshfield Epidemiologic Study Area (MESA) cohort and Security Health Plan enrollees to define a local population and develop a 'Virtual Data Warehouse' to facilitate membership in the HMORN. Membership in the HMORN has expanded Marshfield Clinic and MCRF's participation in federally-funded consortia and research projects focused on cancer, cardiovascular diseases, diabetes, genomics, and vaccine safety.

Beyond the regular scientific conference agenda, other activities for our local attendees included ongoing research study meetings, network governing board and steering committee meetings, and research administration sessions. Virtual data warehouse implementation group meetings were well attended and were co-coordinated by Deb Multerer of the Epidemiologic Research Center.

For more information on the HMO Research Network visit: <http://www.hmoresearchnetwork.org/>

http://mclweb.mfldclin.org/mcrf/?page=mcrf_updates

New Certificate for Clinical Research Center Compliance Specialist



Anne Nikolai, Research Quality Assurance & Compliance Specialist, has passed the exam to become Certified in Healthcare Research Compliance (CHRC) through the Healthcare Compliance Association (HCCA). HCCA is an organization for compliance professionals in the healthcare field, and the CHRC requires “knowledge of relevant regulations and expertise in compliance processes sufficient to assist healthcare industry in understanding and addressing legal obligations, and promote organizational integrity through the operation of effective compliance programs”, per their website. Kristin Martinez, Clinical Research Administrator, said, “Anne continues to be a key resource in all education and compliance areas and this additional recognition will benefit the entire Clinical Research Center. Congratulations Anne!”

MCRF Director Gives Presentations on Influenza

Ed Belongia, MD, Center Director for MERC, gave a presentation entitled *Flu Vaccine Efficacy and Efforts for a Universal Vaccine* at the 2013 WI Association for Professionals in Infection Control and Epidemiology (APIC) Seminar, April 26 in Pewaukee, WI. Dr. Belongia also presented on the avian influenza A (H7N9) virus that continues to be reported in China. APIC is a multi-disciplinary international organization with over 10,000 members. Its purpose is to influence, support and improve the quality of healthcare through the practice and management of infection control and the application of epidemiology in all health settings. For more information on WI APIC visit: <http://www.wisconsinapic.org/> and for the H7N9 virus visit: <http://www.cdc.gov/flu/avianflu/h7n9-virus.htm>.



In Addition:

- National Farm Medicine Center study in the news recently: <http://news.wpr.org/post/researchers-begin-study-farm-childrens-health>
- Dr. Steiner was acknowledged in an article in the *Marshfield News Herald* on April 29th. The article can be found at: http://www.marshfieldnews herald.com/apps/pbcs.dll/article?AID=2013304290396&nclick_check=1
- *Research Matters* is always accepting announcements. Your contributions are truly appreciated.

Contributors to this issue: Diane Austin, Bobbi Bradley, Jane Carl, Sally Lang, Kristin Martinez, Deb Multerer, Marlene Stueland, Daniel Wall

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http://mclweb.mfldclin.org/mcrf/?page=mcrf_updates

A Word from the Executive Director



This is my first column for Research Matters since my arrival at the Marshfield Clinic Research Foundation only 9 weeks ago. I wanted to thank everyone for being patient with me as I learn my way around and become acclimated. You all have been very supportive, helping me to avoid getting lost, orienting me to the Foundation, and being available to answer my many questions. We have an outstanding group of individuals in MCRF, and we are doing great things. I am delighted to be here, and am looking forward with great enthusiasm to serving you as your Executive Director. Keep up the good work!

NFMC Pilot Project Gains National Attention

A new interactive Web tool that allows farmers to map their farms and provide emergency responders with onsite information about hazards and physical layouts via QR codes was featured in a recent national Associated Press article.

Farm Mapping to Assist, Protect and Prepare Emergency Responders (Farm MAPPER), is a pilot project of the National Farm Medicine Center. Responders using a smartphone or other device such as a tablet with a reader application can access vital information by scanning a unique QR code sticker on a mailbox pole or other nearby location.



The Project PI is Dr. Matthew Keifer, and the coordinator is Iris Reyes. The active project area is covered by the Pittsville Fire Department. The Biomedical Informatics Research Center led technical development of Farm MAPPER. (continued on next page)

http://mclweb.mfldclin.org/mcrf/?page=mcrf_updates

NFMC Pilot (continued)

An Associated Press reporter in Milwaukee took interest in the project after being contacted by NFMC communications specialist Scott Heiberger. She convinced her editors to release the story nationally. The story has been posted on more than 200 websites, including ABC, NBC, Huffington Post, Yahoo News and Bloomberg Business Week, as well as newspapers in most of the largest cities.

The project was funded through a \$20,000 grant from the Midwest Center for Occupational Health and Safety at the University of Minnesota, along with NFMC donor dollars and significant volunteer time from the Pittsville Fire Department.

The full AP article can be viewed at <http://news.yahoo.com/wis-farmers-firefighters-partner-hazards-182054648.html>.

Radio interviews featuring Dr. Keifer and Pittsville Fire Chief Jerry Minor are available at <http://brownfieldagnews.com/2013/06/04/farm-mapper-helps-response-to-farm-emergencies/>.

Marshfield Center Cardiologist Involved In a Clinical Research Study Evaluating the Effect of an Investigational Medication On Individuals' Risk for Cardiovascular Events



Dr. Shereif Rezkalla, Marshfield Center Cardiologist, is participating as Principal Investigator on a clinical trial titled, *A Double-blind, Randomized, Placebo-controlled, Multicenter Study Assessing the Impact of Additional LDL-Cholesterol Reduction on Major Cardiovascular Events When AMG 145 is Used in Combination With Statin Therapy In Patients with Clinically Evident Cardiovascular Disease (Fourier)*. ClinicalTrials.gov Identifier: NCT01764633

The primary hypothesis is that additional LDL-C lowering with the investigational medication when used in addition to other treatment for dyslipidemia is well tolerated and decreases the aggregate risk of cardiovascular death, myocardial infarction, hospitalization for unstable angina, stroke, and coronary revascularization in subjects with clinically evident cardiovascular disease.

Key eligibility criteria include:

- Between 40 and 80 years of age
- Diagnosed with myocardial infarction or stroke in the last 5 years

The study will enroll approximately 22,500 participants globally. Co-Investigators on the trial are Drs. Vidaillet, Abidi, and Shah. The lead study coordinator for this study is Rachel Thiel.

http://mclweb.mfldclin.org/mcrf/?page=mcrf_updates

Marshfield Clinic Weighs in on Raw Milk Debate

On June 6, 2013, Dr. Ed Belongia represented Marshfield Clinic in a discussion on raw milk issues with other opponents of the retail sale of raw milk. Guests included: Shawn Pfaff, Lobbyist and Spokesperson, Wisconsin Safe Milk Coalition; Ed Belongia, Epidemiologist, Marshfield Clinic; and Doug Gieryn, Past President, Wisconsin Public Health Association. According to Marshfield Clinic Government Relations, a small but vocal group of dairy farmers, consumers, and health food advocates will push again for raw milk legislation to sell raw unpasteurized milk directly to consumers on the farm. For all the health and public health reasons, this is not good legislation. Marshfield Clinic will oppose this if introduced.



Interview can be viewed here:

<http://www.wiseye.org/Programming/VideoArchive/EventDetail.aspx?evhdid=7657>

Announcement of Donated Funds Available for Research

Through Marshfield Clinic Research Foundation's Internal Funding policy: http://srdweb1/clinic/policies/policy_details.asp?RecID=253, employees of Marshfield Clinic can apply for access to donated research funds raised by the Development Department by submitting a research proposal to the Research Committee for scientific merit review. In recent months, the level of funding available was increased to \$50,000 per project.

Research Committee application forms for "Full Proposal Applications – Projects Requesting Funds" are located at:

http://srdweb1/clinic/policies/form_results.asp?FL=Yes&L=R&typeEntity=clinic

Applications may be submitted any time prior to the start of each quarterly cycle, with new cycle dates for Full Proposals beginning on the 16th of March, June, September, and December. Applications are reviewed in the order they are received during the cycle, so it can be advantageous to submit proposals earlier in the cycle rather than later.

A listing of disease specific funds available can be found on the Research Mentor intranet landing page, with a link titled "Donated Funds Available for Research":

<http://mclweb/mcrf/?page=researchmentor>. Questions regarding this funding mechanism can be directed to Deb Hansen (ext 7-9130).

http://mclweb.mfldclin.org/mcrf/?page=mcrf_updates

Multispecialty Research Coordinator Receives Recognition from a Patient



Daphne York, Senior Clinical Research Coordinator in the Clinical Research Center's Multispecialty group, recently received the following letter from a patient for her work on the C-Diff study with Dr. Hall:

"Hi Daphne:

Thank you for taking time to see me last week. You always make me feel so very important and comfortable as a previous patient of yours. Thank you for asking how I am doing and your concern that I am doing well. It sure means a lot to me.

I am very happy I participated your C-dif research study last year. Your follow up calls and appointments helped me through some rough times. I would recommend anyone who is offered research study to participate.

Hope all is well you and your staff."

BIRC Biostatistician Elected to Editorial Board of Journal *Computers in Biology and Medicine*



Dr. Zhan Ye has served as a reviewer for the journal *Computers in Biology and Medicine* since 2012. The journal is a medium of international communication of the revolutionary advances being made in the application of the computer to the fields of bioscience and medicine. The journal encourages the exchange of important research, instruction, ideas and information on all aspects of the rapidly expanding area of computer usage in these fields. Dr. Ye has recently been selected as one of the new editorial board members (a total of 10 new members were selected) of this journal in 2013 for his contribution of support and excellence of reviews to the journal.

Dr. Po-Huang Chyou, Director of Biostatistics, states, "After 5 years of working at BIRC, Dr. Ye has become a key player of the Biostatistics group for supporting MCRF scientists and MC clinician researchers, particularly in the areas of statistical genetic study design and data analyses."

Congrats Dr. Ye on this election!

Annual Disclosures for Investigators Begin this Month

Requests for annual disclosures of significant financial and associational interests will be sent electronically to MCRF investigators the week of June 17th. The disclosure collection is based on our [Investigator Conflicts of Interest in Research policy](#) and follows regulatory requirements of the Department of Health and Human Services.

Investigators will notice the following helpful changes with this year's disclosure form:

1. Thanks to a talented BIRC team, the annual disclosure form is more intuitive for users. The improvements will hopefully result in more seamless disclosure entries for investigators. Efforts to improve the electronic disclosure form will continue into next year. If questions arise with form use, assistance is available.
2. The disclosure de minimis for Reimbursed or Sponsored Travel is increasing from \$0 to \$5000 (aggregated over 12 months) from one entity. A recent policy change accommodating this was prompted by a suggestion from NIH, because some other categories use a \$5000 de minimis.
 - A word of caution: Investigators will benefit from tracking sponsored or reimbursed travel throughout the year, so that if it ever reaches \$5000 from one entity, the required disclosure can be made.



Reminders that may help:

- Disclosures are based on institutional responsibilities (not one's research)
- After annual disclosures, "Transactional" disclosures may be prompted by:
 - A PHS grant
 - Within 30 days of a new interest acquisition
 - Question on IRB forms asking for confirmation that disclosure records for each investigator are up-to-date
- The seven interest disclosure categories include: (see policy for more detail)
 1. Remuneration: Salary & payments made directly to investigator for services (e.g. consulting fees)
 - \$5000 de minimis aggregated from one entity over 12 months
 2. Equity: non-publicly traded company (\$0 de minimis)
 3. Equity: publicly traded company
 - \$5000 de minimis in aggregate (stock + payment)
 - Excludes: mutual funds, retirement accounts, 401K
 4. Investigator-owned Intellectual Property (IP) (\$0 de minimis)
 5. Royalties from MC-owned IP: (reviewed at least annually)
 6. Reimbursed or Sponsored Travel:
 - \$5000 de minimis aggregated from one entity over 12 months
 - Travel (lodging, airfare, etc.) reimbursed directly to investigator – **OR** –
 - Travel paid on behalf of the investigator (value is to be reasonably estimated).
 7. Associational Interests: formal or informal relationship or involvement with a sponsor of the investigator's research (e.g., positions on advisory boards) (continued on next page)

Disclosures (continued)

In general, interests are exempt from disclosure if reimbursed by MC, or if provided by a Federal, state, or local government agency, an institution of higher education as defined at 20 U.S.C. 1001(a), an academic teaching hospital, a medical center, or a research institute that is affiliated with an institution of higher education.

If you need assistance on guidance for disclosures required for PHS grant applications, please contact Deb Hansen (ext 7-9130) or Bonnie Ohlsson (ext 7-9192).

For other questions or concerns, please contact Kathy Leick (ext 1-8840) in the Office of Research Integrity and Protections, or e-mail at conflict.interest@marshfieldclinic.org.

SoCRA Certificates Awarded to CRC and MERC Clinical Research Associates



Lisa Larson, Daphne York, Jodi Schiller, and Angie Bulgrin of the Clinical Research Center (CRC) and DeeAnn Polacek and Tara Johnson of Marshfield Epidemiology Research Center (MERC) have passed the exam to become Certified Clinical Research Professionals through the Society of Clinical Research Associates (SoCRA). Manager Jane Carl, Assistant Manager Melissa Slager, and CCOP Administrator Brian Acker commented, “Lisa, Daphne, Jodi, and Angie have been a huge asset to the Multispecialty/Oncology research departments, and we look forward to their continued growth and contributions within the Clinical Research Center. Congratulations!”

Regarding DeeAnn and Tara’s accomplishment, Deanna Cole, Research Studies Manager at MERC, stated, “I would like to take a moment to personally congratulate you on your outstanding performance and achievements. Passing the SoCRA exam brought a wonderful learning opportunity for the both of you and without a doubt I knew you would pass! Your experience as a coordinator, the time invested in preparation, and one very large deep breath carried you right to the top. I am extremely proud of you!!”

Center for Human Genetics Bids Farewell to Dr. Deanna Cross



Dr. Deanna Cross accepted a position at the University of North Texas Health Science Center, Department of Forensics and Investigative Genetics in Fort Worth, Texas. Dr. Cross's last day at Marshfield Clinic Research Foundation was May 30th.

Dr. Cross received her Undergraduate and Graduate degrees from the Texas A&M University. She continued her training from 2002–2007 as a post-doctoral fellow, mentored by Dr. James Burmester. She was the Project Scientist in charge of the Personalized Medicine Research Project in the Center for Human Genetics from 2007-2010. In 2010, she was promoted to Associate Research Scientist.

Dr. Cross was responsible for the whole-genome and fingerprinting for the Personalized Medicine cohort. Her research entailed prostate cancer, colon cancer and cardiovascular disease, which led her to publishing several articles in various journals. Dr. Cross was also awarded a prestigious KL2 Scholarship in 2010 for her project, "*Development of an Individualized Risk Assessment for Secondary Complications of Radiation Therapy for Prostate Cancer*".

We wish Deanna the very best in her new position.

In Addition:

- The next full Foundation meeting is Tuesday, July 16th at 9:30AM. If you have any questions you would like addressed, please send them to Jeanette Normington at 1R3.
- Please remember to complete the Staff Satisfaction Survey by June 30th.
<http://mclweb/clinic/satisfactionsurvey/>
- *Research Matters* is always accepting announcements. Your contributions are truly appreciated.

Contributors to this issue: Bobbi Bradley, Jane Carl, Deanna Cole, Debra Hansen, Scott Heiberger, Jolene Knetter, Sally Lang, Kathy Leick, Anne Nikolai, Jeanette Normington, Robert Steiner, MD

Edited by: Alexis Tavano, MPH, tavano.alexis@mcrf.mfldclin.edu, ext. 1-8939.

Researchers from Marshfield Clinic and Marshfield Clinic Research Foundation Participate in Landmark Study



Recently, the Subcortical Stroke and Blood Pressure Control Study (SPS3) was published in the *New England Journal of Medicine* (*N Engl J Med.* 2012 Aug 30;367(9):817-25. doi: 10.1056/NEJMoa1204133). The Marshfield Clinic and Marshfield Clinic Research Foundation (MCRF) were a part of this study, including Drs. Percy Karanjia, Richard Dart, and Narayana Murali, of the Departments of Neurology and Nephrology, assisted by Kathy Mancl, Clinical Research Coordinator from MCRF. This very important clinical trial focused on whether systolic blood pressure (SBP) following subcortical lacunar strokes should be < 130 mmHg versus a target of 130-149 mmHg. Though the results suggested a lower SBP is possibly beneficial, some unanswered questions remain.

The ideal blood pressure that should be attained after a stroke often is dependent on the age of the patient, co-morbid medical conditions, and the type of stroke the patient has suffered, which are either ischemic or hemorrhagic. Subcortical lacunar strokes are of the ischemic type. The optimum blood pressure to maintain after a stroke is very important in the prevention of recurrent strokes.

The SPS3 study concluded that patients with chronic, post-subcortical lacunar stroke may benefit from gentle reduction of SBP to < 130 mmHg.

Despite the large study size of 3020 patients, the trial was underpowered to reach true statistical significance at the 0.05 level; this study had a p-value of 0.08. This study suggests there may be a 92% chance that keeping patients' upper blood pressure numbers below 130 mmHg reduces their risk of having another stroke by 19%. Given past studies, this degree of reduction in stroke risk appears to be real and not just explained by pure chance. In addition, patients' risk of having a hemorrhagic stroke, characterized by bleeding, was reduced by two-thirds and was statistically significant. (continued on next page)

Landmark Study (continued)

Still, this study is a very important one and contributes to assurance that lower blood pressure in such strokes is likely to help prevent future similar events, and reflects how Marshfield Clinic and MCRF incorporate clinical research into finding ways to improve the care of those who come here to be seen and treated.

CHG Director Attends HHT Conference in Ireland



Dr. Murray Brilliant, Director – Center for Human Genetics, attended the 10th HHT Scientific Conference (Hereditary Hemorrhagic Telangiectasia) June 12-15, 2013 in Cork, Ireland. Since the first conference in Edinburgh in 1996, the goal has been to provide a meeting point for clinicians and basic scientists where participants have access to the most recent advances in clinical research, therapeutics, and basic research in the field of HHT. At the conference, Dr. Brilliant presented a case study from the Marshfield Clinic highlighting the need for pharmacogenetic testing for a drug used to treat HHT.

During the last decade major advances have been achieved in clinical and molecular diagnosis as well as in the treatment of HHT. Among these are:

- The discovery that the gene Smad4 is involved in HHT;
- Advanced in imaging techniques that allow better visualization of arteriovenous malformations in internal organs;
- The development of interventional radiology techniques to treat vascular malformations in lung and brain;
- The use of anti-angiogenic therapies to treat HHT.

Dr. Brilliant sits on the HHT GRMAB (Global Research Medical Advisory Board), which met during the conference; an outcome of that meeting has been to collaborate on a PCORI grant application with an HMORN team, headed by Group Health.

This being his first trip to Ireland, Dr. Brilliant experienced some of the local ambience, such as driving on the left side of the street (which was done by his wife), more pubs than you could imagine (and him being gluten-free), and the fascinating history of Ireland and its people.

Latest Policy and Form Changes: ORIP Updates

These revisions are effective July 1, 2013. With ongoing Association for the Accreditation of Human Research Protection Programs (AAHRPP) accreditation efforts, investigators and staff may expect additional releases of policies and procedures to be made off of the quarterly cycle. Investigators and staff must access the documents in Policy and Forms Library to ensure that the most recent version is used.

Revised Policies/Procedures/Resource Guides:

- ❖ Appealing IRB Decisions (4424.1)
- ❖ Continuing Review (888.12)
- ❖ Expanded Access to Investigational Drugs, Biologics or Devices (Individual Patient, including Emergency Use, Intermediate Size Populations, Treatment IND or Treatment Protocol) (3889.6)
- ❖ IRB Membership (695.6)

IRB Forms:

- ❖ IRB Amendment Revision Update (ARU) Submission
- ❖ IRB Application – Bio-Bank
- ❖ IRB Application – Clinical Trial Research
- ❖ IRB Application – Database
- ❖ IRB Application – Observational, Data or Specimens
- ❖ IRB Institutional Certification Form for IRB Deferred Studies
- ❖ WIC Project Description and Review Request Form

On the above IRB forms, the terminology in a certification box was changed from 'Conflict of Interest' to 'Interest Disclosure Requirement' to specifically ask for disclosures of significant financial or associational interests (rather than COI).

Research Committee Forms:

- ❖ Research Committee – Amendment Submission
- ❖ Research Committee – Continuing Review Report

HIPPA Authorization Form:

- ❖ Alliance for Clinical Trials in Oncology (**New**)

http://mclweb.mfldclin.org/mcrf/?page=mcrf_updates

Clinical Medicine & Research – Original Articles, Case Reports, and More



The June 2013 issue of *Clinical Medicine & Research* (volume 11, number 2) presents original articles discussing patient adherence to medication regimens, circadian patterns of ST elevation myocardial infarction, genetic variation in therapeutic warfarin dosing requirements, and more! To read articles published by *Clinical Medicine & Research*, visit the journal's web site (www.clinmedres.org), or contact the Editorial Office (clinmedres@mcrf.mfldclin.edu) to receive a complimentary print copy. If you would like to receive email notification of future issues and articles published online ahead of print, visit the journal's web site, click on the "Sign up for Email Alerts" link in the center of the homepage, and enter the requested information.

Dental Care and Telehealth Among Topics Presented to U.S. Sen. Tammy Baldwin



Dr. Amit Acharya, Dental Informatics Scientist in the Biomedical Informatics Research Center, was among those presenting information to US Senator Tammy Baldwin, D-Mad, on July 1, 2013. Senator Baldwin was at Marshfield Clinic to discuss the Affordable Care Act. The full article can be found here: http://www.marshfieldnewsherald.com/article/20130702/MNH01/307020144/Baldwin-hears-health-care-quality-cost-saving-ideas-from-clinic-leaders?gcheck=1&nclick_check=1

Epidemiology Research Center and National Farm Medicine Center Raise Awareness and Funds for Project Shine

The 2013 campaign for Project Shine, the annual employee giving appeal, is winding down, but employees in the Epidemiology Research Center and National Farm Medicine Center found creative ways during the month of June to raise awareness about the appeal along with beneficial funds. Employee donations last year helped fund student internships, supported cancer patient care programs, and made many more causes, projects, and research studies possible. This year's theme, "Finding our Treasures," encouraged the fun filled pirate weeks and highlighted the good work that Clinic and Foundation staff members do for patients and the community.

The dual department efforts came together and raised over \$450 for Project Shine through a variety of activities. Activities included purchasing Friday jeans days, clues for finding Pirate coins hidden throughout the departments which could be exchanged for prizes, and guesses as to the number of coin and gem candies in a jar. (Continued on next page)

http://mclweb.mfldclin.org/mcrf/?page=mcrf_updates

Project Shine (continued)



Kathie Smith's photo of her "peg-leg" pup Pugsley won with 77 votes!

The top tier of fundraising came from a staff bake sale and a Pirate Photo Contest. While inviting the entire Marshfield Clinic Research Foundation and Marshfield Center, spirits were lifted with some home baked goodies and a peek at a creative cove filled with photos taken with co-workers, family, and even pets while sporting the Pirate look.

Jennifer King, an epidemiologist, Kristina Reisner, an administrative secretary and Maddie Minervini, a research coordinator teamed up to organize the event.

"Our department enjoys fun and friendly competitions, especially when it is geared towards a great cause like the Project Shine campaign," King said. "We know how important it is to build on the great reputation of the Clinic, whether through patient outreach initiatives, advancing research or opportunities for students like the Summer Student Research Internship Program."

In Addition:

- The next full Foundation meeting will be on Tuesday, July 16th, from 9:30-10:30 in Froehle Auditorium. Please email any questions to Jeanette Normington.
- *Research Matters* is always accepting announcements. Your contributions are truly appreciated.

Contributors to this issue: Richard Dart, MD, Jennifer King, Cathy Marx, Jeanette Normington, Melissa Ostrowski, Kristina Reisner, Sherry Salzman, Dixie Schroeder

Edited by: Alexis Tavano, MPH, tavano.alexis@mcrf.mfldclin.edu, ext. 1-8939.

A Word from the Executive Director



I hope you all will agree that there are many exciting things going on in the MCRF this summer. Summer is an exciting time at MCRF, with the coming of the winter thaw (ok, it was really in late spring, just seemed like summer), but also with the coming of the summer interns. This is an outstanding program that has been very well received, and gives students and trainees opportunities to learn about biomedical research. The founders and directors of this program, as well as all those who are involved (which includes many of you) should be very proud of this program and its success. I hope you will all make an effort to meet the interns and attend the talks they give.

Got Safety? *Journal of Agromedicine* Examines Worker Health, Safety in Changing Dairy Industry



Dairy is a dynamic industry, depending largely on immigrant employees working long hours at a high pace, under difficult environmental and social conditions. This changing industry and the health and safety of its workers is featured in the current issue of the *Journal of Agromedicine* (Volume 18, Issue 3), available through the Magnin Medical Library, <http://www.tandfonline.com/toc/wagr20/current>.

As much as 60 percent of the Wisconsin dairy workforce is Hispanic, said *Journal of Agromedicine* Editor-in-Chief Matthew Keifer, MD, MPH, director of the National Farm Medicine Center. An estimated 80 percent of all dairy workers in the United States are Hispanic.



“The influx of these new employees, who are often immigrants with little experience in agriculture, raises new safety issues,” Dr. Keifer said.

Dairy farming is among the most hazardous occupations, with high rates of injury, illness, and employee turnover. Several high-profile fatalities prompted the Wisconsin office of the U.S. Occupational Safety and Health Administration (OSHA) to begin inspecting Wisconsin dairy farms in 2012.

“For dairy farmers trained to manage cows, the operation of a modern dairy employing a large immigrant workforce is a daunting challenge,” said Guest Editor Stephen Reynolds, PhD, director, High Plains Intermountain Center for Agricultural Health and Safety (HICAHS) at Colorado State University. (*continued on next page*)

Journal of Agromedicine (continued)

The Journal enlisted an international guest editor team, led by Dr. Reynolds, to review the status of the world dairy industry, highlight current occupational health and safety research, and identify knowledge gaps and programmatic needs. The articles in this issue provide an overview of the industry and examine key areas, such as respiratory health, ergonomics, injury and fatality, and psychosocial and mental health. Other articles address occupational health and safety regulations, leadership and management, and guidelines for animal handling. All of the papers note the lack of peer-reviewed publications regarding effective health and safety interventions.

In addition to Dr. Reynolds, guest editors include: Claudio Colosio, MD, MPH, University of Milan; David Douphrate, PhD, University of Texas; Christina Lunner Kolstrup, PhD, Peter Lundqvist, PhD, Swedish University of Agricultural Sciences; and Matthew Nonnenmann, PhD, CIH, University of Iowa. They all are part of the HICAHS-led International Dairy Research Consortium that first met in July 2011 in Colorado.

“Research is needed to develop and evaluate cost-effective solutions,” Dr. Keifer said. “We believe this special issue of the journal will be a resource to help guide future research to enhance the health and sustainability of the dairy workforce.”

Research Foundation Hosts Intern Symposium August 8



Marshfield Clinic Research Foundation (MCRF) continues a 40-plus-year tradition of concluding the Summer Student Research Internship Program with a Symposium on Thursday, August 8, from 8:00am until 12:30pm in Froehlke Auditorium at Marshfield Clinic Marshfield Center. A luncheon follows the presentations. (*continued on next page*)

http://mclweb.mfldclin.org/mcrf/?page=mcrf_updates

Intern Symposium *(continued)*

Directed by Huong McLean, PhD, and Bobbi Bradley, MPH, the summer internship provides a 12-week research experience tailored to the student's skill level and is related to ongoing research at the Marshfield Clinic. The program enables students to put their education into practice as they work side-by-side with scientists who are experts in their fields.

The Summer Student Research Internship Program is supported entirely through philanthropy. Thanks to the generosity of many community partners, Clinic employees, foundations, businesses and a major sponsorship by The Boldt Company, the program had the financial resources this year to expand to 10 students for the first time in its history.

Clinic staff and physicians are invited to attend as many of the presentations as their schedules allow. The Symposium can also be viewed via MediaSite Live: <http://mediasite.mfldclin.edu/Mediasite/Play/b360a57a7919401b8d5aa0601229bf941d>. For a list of the presentations and a brief description of the individual student projects, as well as more details about the Symposium, please see the attached files.



Research Symposium
Presentations.doc



2013 SSIP Invite.pdf

Dr. Peter Smith, Marshfield Center Cardiologist- Electrophysiologist, Participates on Device Clinical Trial



Peter Smith, MD, FACC, FHRS, is participating as Principal Investigator on a device clinical trial funded by the Biomedical Control. The purpose of the study, entitled "INcrease Of VAgal TonE in Heart Failure (INOVATE-HF)", is to demonstrate the long-term safety and efficacy of vagus nerve stimulation with the CardioFit[®] system for the treatment of subjects with heart failure.

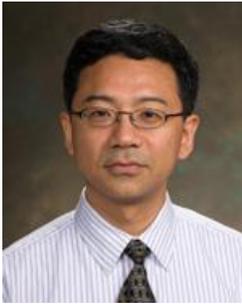
The study design is a prospective, randomized, open label, event-driven, interventional study. Subjects are randomized (3:2, active:control) to either CardioFit System implant or to usual care (no CardioFit System implant).

The planned overall duration of the study is approximately 5.5 years. An independent Data Safety Monitoring Board (DSMB) and Clinical Events Committee will be utilized.

The study will enroll 650 participants to provide up to 376 events, and will be conducted at up to 70 locations internationally. Up to 40 additional sites may be added to reach total enrollment goals and will be added as FDA approves expansion. Participants in both groups will be asked to attend follow-up visits 3, 6, 9, 12, 15, and 18 months from randomization and every 6 months afterwards for a period of up to 5.5 years. There may be approximately twenty visits in total from the first to the last visit. Lisa Larson is the lead clinical research coordinator on this project.

http://mclweb.mfldclin.org/mcrf/?page=mcrf_updates

ICTR BMI Leaders Receive Best Concept Award from PCORI



Simon Lin, MD, Director of the Biomedical Informatics Research Center at Marshfield Clinic Research Foundation, Eneida Mendonça, MD, PhD, Associate Professor of Biostatistics and Medical Informatics at the School of Medicine and Public Health, and Umberto Tachinardi, MD, MSc, Associate Dean of Administration in the School of Medicine and Public Health, both at University of Wisconsin – Madison, co-authored a concept paper of ACTONNECT (Act Together and Connect for Patient-Centered Outcome Research) to enable patients, clinicians, researchers, and others to conduct searches of health information gleaned from dozens of patient forums and sites and to share their results graphically. ACTONNECT is designed to connect researchers to patient concerns and patients to others with similar diagnosis or treatment options.

ACTONNECT received the first place prize of \$10,000 for the best concept of a patient:researcher matching system from the Patient-Centered Outcomes Research Institute (PCORI). The web-based search engine and interface is being developed by a team from five institutions: Marshfield Clinic Research Foundation (MCRF); Drexel University, Philadelphia; University of Wisconsin-Madison; Scripps Research Institute, La Jolla, Calif.; and Huazhong University of Science and Technology, Wuhan, China. MCRF, UW, and Scripps are CTSA Award sites.

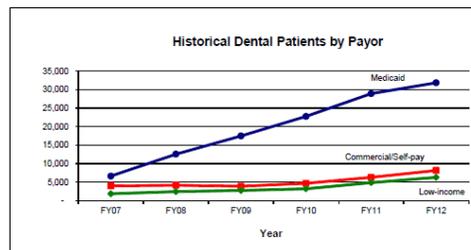
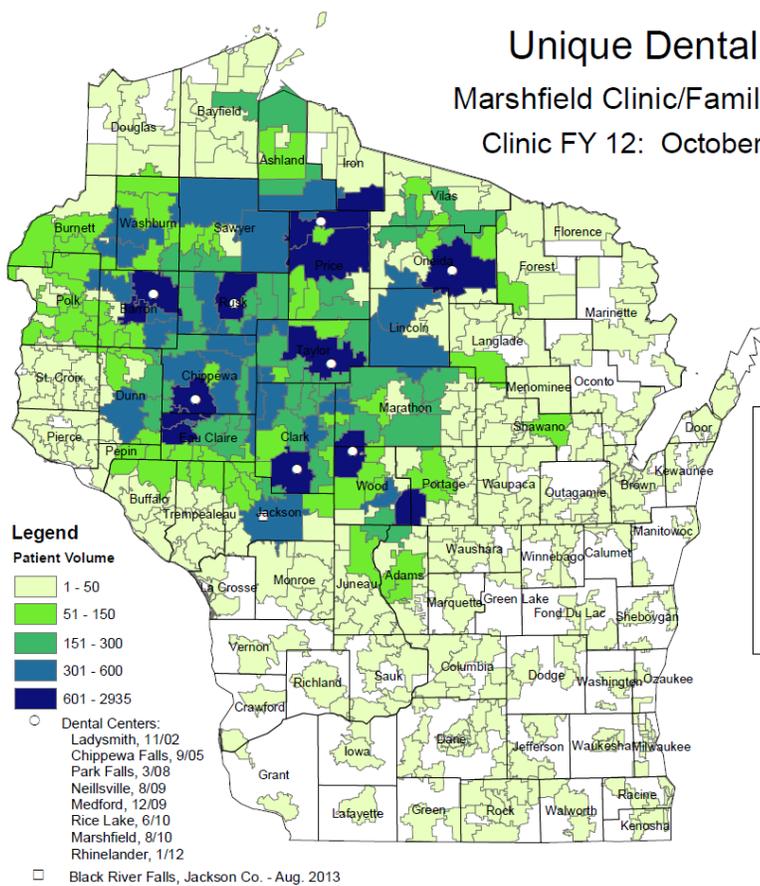
PCORI is an independent institution authorized by Congress to fund comparative effectiveness research that answers questions most important to patients and those who care for them. PCORI launched the challenge as an opportunity for innovators to help advance the goal of ensuring that patients, caregivers, clinicians, and others from across the healthcare community are actively engaged in all aspects of the clinical research process, from generating ideas through the conduct of studies and sharing of their results.

MCRF and FHC Collaborate in Assessing the Prevalence of Periodontal Diseases in the Ladysmith, WI Population

A collaborative research study that included several MCRF scientists and staff working closely with Family Health Center of Marshfield, Inc. (FHC) utilized the Clinic's electronic health record (EHR) data to assess the prevalent periodontal diseases in a Ladysmith service area.

FHC is a federally funded community health center with a service area of 10,354 square miles, covering 13 counties in predominately rural north central Wisconsin. FHC targets all individuals living at or below 200% of the federal poverty level who experience access-to-care barriers, and individuals who experience geographic and/or cultural/linguistic barriers. FHC, in collaboration with the Marshfield Clinic, opened its first dental center in November 2002 in Ladysmith, WI. In the first full year of operation, the center served over 5,500 patients from 45 of Wisconsin's 72 counties. As of today, the eight dental centers serve more than 46,000 residents who come from all over Wisconsin and the neighboring states.

Unique Dental Patients by Zip Code
Marshfield Clinic/Family Health Center - Dental Centers
Clinic FY 12: October 1, 2011 - September 30, 2012



Number of Unique Patients by Billing Type by Dental Center: Clinic FY12

Dental Center	Commercial/Self-pay	Medicaid	Low-income	Multiple Financing*	Total
Chippewa Falls	1,908	8,986	1,374	488	12,756
Ladysmith	1,745	3,661	977	168	6,551
Marshfield	700	2,883	991	150	4,724
Medford	867	3,203	715	158	4,943
Neillsville	677	3,084	606	185	4,552
Park Falls	961	2,652	610	121	4,344
Rhineland	549	2,393	737	94	3,773
Rice Lake	924	4,460	614	202	6,200
Total FY 2011 in aggregate	8,182	30,330	6,300	1,534	46,346
Percent	17.7%	65.4%	13.6%	3.3%	

* Multiple Financing: MA plus other dental insurance.

Map prepared January 2013 by Family Health Center of Marshfield, Inc.

This collaborative study resulted in the following paper authored by Amit Acharya, BDS, MS, PhD; Jeffrey VanWormer, PhD; Stephen Waring, DVM, PhD; Aaron Miller, PhD; Jay Fuehrer, BBA; and Greg Nycz, BS, being published:

<http://aje.oxfordjournals.org/cgi/content/full/kws293?ijkey=rBb3vz1fwYMuFzT&keytype=ref>

http://mclweb.mfldclin.org/mcrf/?page=mcrf_updates

Launch of the Delta Dental Oral and Systemic Health Research Initiative



After an initial feasibility study, a new and valuable resource, the Delta Dental Oral and Systemic Health Research Initiative (or Oral Systemic Research Project, OSRP, for short), launched this month, enrolling its first two participants on July 16, 2013. The project, led by Center for Human Genetics (CHG) Director, Murray Brilliant, PhD, is linked to the Personalized Medicine Research Project (PMRP). Adults 20-74 years of age, who have not had a dental cleaning in two years, are being enrolled at their next cleaning. All eight Family Health Center of Marshfield, Inc. (FHC) dental centers are participating.

In an effort to better link medical and dental research, the OSRP has been initiated to establish a biological repository (bank) of specimens for researchers to use in Institutional Review Board (IRB) approved studies looking at oral systemic health issues. An important focal area will be associations between the human microbiome, periodontal disease, and systemic disease, such as diabetes, cardiovascular disease, Alzheimer's disease, and rheumatoid arthritis. Specimens in the OSRP repository are linked to participants' medical and dental records, providing researchers with a rich source of data. This resource will be available to researchers for work to include:

- Hypothesis generation
- Definition of links between oral and systemic disease
- Evaluation of the efficacy of interventional approaches to improve patient care
- Reduction in health services disparities among targeted sub-populations
- Definition of environmental and genetic factors impacting oral health
- New product development relative to diagnostic and therapeutic approaches.

To participate in OSRP, subjects must agree to enroll in the PMRP as well, if not previously enrolled. Blood, urine, saliva, and dental plaque specimens are collected, vitals are measured, and a short questionnaire is given. These activities are repeated once more, during a follow-up visit when participants return for their routine dental cleaning six to twelve months after the initial visit.

The OSRP is a highly collaborative effort, involving many centers across the Research Foundation, as well as Marshfield Clinic and the FHC dental centers. The Marshfield Epidemiology Research Center's research coordinators and support staff carry out OSRP activities. The Biomedical Informatics Research Center's analytics and development groups have played a major role this past year in setting up the infrastructure for the project, and the Dental Informatics group is providing dental expertise. The Core Laboratory processes and manages the research specimens, while the Marshfield Clinic Laboratory performs the baseline clinical testing. By working together, we hope to make significant advances in our understanding of oral systemic health issues and translate this knowledge into improved health for Wisconsin and other communities. This project is funded by a gift from Delta Dental of Wisconsin. (*continued on next page*)

Oral Systemic Research Project *(continued)*

For more information check out the OSRP SharePoint site

(http://mcrfsp/sites/mcrf_home/CHG/OSRP/SitePages/Home.aspx) or contact CHG Research Specialist and OSRP Manager, Sarah O'Brien (obriense@marshfieldclinic.org).

NCI Cancer Research Network Scheduled to Visit MCRF

The Cancer Research Network (CRN) is a National Cancer Institute (NCI) - funded initiative to support and facilitate cancer research based in non-profit integrated health care delivery settings. The CRN welcomes collaborations that result in research projects that improve knowledge about cancer etiology, prevention, early detection, treatment and prognosis, and that decreases the burden of cancer across the cancer care spectrum.

Marshfield Clinic Research Foundation has received funding from the Cancer Research Network (CRN) for a number of years. Now in its fourth funding cycle, the CRN is established as a Research Resource, with the goals of expanding the scope and variety of research questions that can be addressed and facilitating access of non-CRN-affiliated investigators to CRN data and expertise.

CRN will be at MCRF mid-August conducting a site-visit. All of MCRF and Marshfield Clinic are invited to attend CRN's Grand Rounds presentation on August 15. Lunch will be provided.

Date: Thursday, August 15, 2013

Time: 12:00 noon – 1:00 pm

Location: Froehlke Auditorium

Presenters: Lawrence H. Kushi, ScD – Div. of Research, Kaiser Permanente Northern California

V. Paul Doria-Rose, DVM, PhD – Div. of Cancer Control and Population Sciences, National Cancer Institute

Title: *The NCI-sponsored Cancer Research Network – Past Accomplishments and New Opportunities*

Hosted By: [Robert Greenlee, PhD, MPH](#), Research Scientist, Epidemiology Research Center, MCRF

Objectives:

- Describe the history and composition of the NCI-sponsored Cancer Research Network (CRN)
- Define the role of Marshfield Clinic in recent activities of the Network
- List selected studies, research accomplishments and impact of the CRN on health and delivery of health care, including identification of practice gaps in cancer care
- Discuss opportunities for cancer research collaboration with CRN partners in the newly reformatted CRN, particularly in named priority areas which include prevention and screening, epidemiology of prognosis and outcomes, cost and quality of care, and cancer communication and dissemination.

http://mclweb.mfldclin.org/mcrf/?page=mcrf_updates

Marshfield Scientist Featured in *Lakeline* Journal

Anna Schotthoefler, PhD Project Scientist, was featured in the *Lakeline* Journal for the “Wisconsin Lakeshore Restoration Project”.

The ten-year study goal is to assess whether wildlife populations and native plant diversity increases following restoration on lakeshores that have been altered by housing and recreational development in Vilas County, Wisconsin. They are currently in year seven of the ten-year study.

Members of the project included Dr. Schotthoefler who partnered with Dan Haskell and Dr. David Flaspohler from Michigan Technological University; Dr. Michael Meyer from the Wisconsin Department of Natural Resources; and Dr. Patrick Goggin of the University of Wisconsin-Extension Lakes of the Wisconsin Lakes Partnership.

The group researched high and low developed lakes, measured native plant communities prior to lakeshore restoration, and has been monitoring responses to restoration along the lakeshores for the past two to three years. Surveys were done to measure breeding birds, calling frogs, and small mammal wildlife habitats. Drs. Schotthoefler and Jennifer Meece joined the project in 2011 to assess tick burdens on small mammals in relation to lakeshore development.

They found the small mammals captured on the restored lakeshores carried fewer black-legged ticks (*Ixodes scapularis*), the principle vectors for Lyme disease and anaplasmosis, than mammals captured on the developed lakeshores, raising questions regarding the potential mitigation effects that restoration may have on risks of tick-borne diseases.

The entire article can be read in *Lakeline*, Lake Management for Fish and Wildlife, Volume 33, No. 1, Spring 2013. To obtain a copy, please contact Sally Lang at 715-387-9433.

Latest Policy and Form Changes: ORIP Updates

These revisions are effective on or before August 1, 2013. Investigators and staff should always access policies, procedures, guidance documents, and forms directly from the Policy and Forms Library to ensure that the most recent version is used.

Revised Policies/Procedures/Resource Guides:

- ❖ Expedited Review
- ❖ IRB Initial Review
- ❖ IRB Membership
- ❖ IRB Review of Transnational Research
- ❖ Clinician/Investigator-Held INDs

http://mclweb.mfldclin.org/mcrf/?page=mcrf_updates

Golf for Research Swings into its 15th Year

“I didn’t think I would ever be able to bring my daughter home again.”



Theresa Lassig & Kelsey Hunter

This quote from Theresa Lassig about her daughter, Kelsey’s, fight with acute lymphoblastic leukemia is part of a story they will share with the attendees of this year’s Golf for Research event.

On Tuesday August 13, the 15th Annual Golf for Research event will be held at Lake Arrowhead in Nekoosa. Over \$620,000 has been raised since the event’s inception to support cancer research at Marshfield Clinic Research Foundation.

The event is very meaningful to the golfers, volunteers and sponsors, many who’ve been personally touched by cancer. Founded by cancer survivors, the event has been one of the premier golf events in the area.

Solarus has been the Presenting Sponsor of Golf for Research since 2003. A display at the event will recognize those friends and loved ones who have been touched by cancer.

To learn more and to register, please visit www.marshfieldclinic.org/golfforresearch or contact the Development Department at x79249 or 715-387-9249.

In Addition:

- The next full Foundation meeting will be on Thursday, September 12th, at 10 AM in Froehlike Auditorium. Please email any questions to Jeanette Normington.
- For the latest issue of the UW-Madison newsletter, *ICTR Today*, please click here: ictr.wisc.edu/Newsletters
- Upcoming Scientific Writing Seminars held through UW-Madison can be viewed here:



2013ICTRScientificWritingWorkshops.docx

- *Research Matters* is always accepting announcements. Your contributions are truly appreciated.

Contributors to this issue: Bobbi Bradley, Jane Carl, Scott Heiberger, Laura Hogan (UW-Madison), Sarah O’Brien, Melissa Ostrowski, Jeanette Normington, Pete Schmeling, Dixie Schroeder, Robert Steiner

Edited by: Alexis Tavano, MPH, tavano.alexis@mcrf.mfldclin.edu, ext. 1-8939.

http://mclweb.mfldclin.org/mcrf/?page=mcrf_updates

A Word from the Executive Director



Greetings! We at the Foundation are delighted to welcome Peggy Peissig to MCRF as a Tenure Track Scientist. Peggy is well known to MCRF, having worked here previously, but she comes to us now in an important new role after completing her training at the UW, where she excelled. I had the opportunity recently to hear Daphne York and Chris Bishop give a great presentation about the CIRT study (below) at an MCRF meeting. This is a very important study, and I am delighted that Dr. Abidi and her team were selected to be part of the distinguished investigator team chosen to carry out the study. This represents a wonderful collaboration between the clinic and foundation. Later this month I look forward to attending the 2013 North American Agricultural Safety Summit; it should be a great meeting. Unfortunately, due to commitments made last year, I will be unable to attend the 2013 Oral-Systemic Health Conference. I hope many of you will attend, as there is an outstanding speaker and topic list. Kudos to Dr. Lee and the *Journal of Agromedicine* team for their role in an important USA Today article on agricultural safety. I hope you will join me in attending the Auction of Champions on Thursday, September 19, to support the work of the National Farm Medicine Center (www.marshfieldclinic.org/aoc). Finally, I presented a brief preliminary Vision for MCRF for the future to the Clinic Board of Directors; this will form the nidus for development of a strategic plan, and my hope is that all of you will have the opportunity to contribute ideas to our plan. We will be sharing the vision soon.

Center for Human Genetics Welcomes New Associate Research Scientist, Peggy Peissig, PhD



The Center for Human Genetics is pleased to announce the addition of Peggy Peissig, PhD. Peggy received her PhD in Clinical Investigation from UW-Madison in 2013. Her research interests include translational and clinical informatics, applied machine learning, and electronic health record phenotyping. While new to the Center for Human Genetics, Peggy has previously held positions in the Marshfield Clinic, Marshfield Clinic Research Foundation (BIRC), and Security Health Plan.

Peggy's research within the Center for Human Genetics involves the application of machine learning to electronic health record phenotyping and adverse drug event detection. She is also involved with two multi-institution grants, funded by the National Human Genome Research Institute (NHGRI) under the electronic Medical Record and Genetics (eMERGE) Network umbrella, dealing with translating genetic information into clinical practice.

Marshfield Clinic Researcher Participates in International Study



Dr. Mateen Abidi is participating as Principal Investigator on a randomized clinical trial entitled *Cardiovascular Inflammation Reduction Trial* (CIRT). CIRT is a randomized, double-blind, placebo-controlled, event-driven clinical trial investigating whether taking low-dose methotrexate reduces heart attacks, strokes, or death in people with type 2 diabetes or metabolic syndrome that have had a previous heart attack. This trial is funded by the National Heart, Lung, and Blood Institute (NHLBI)/National Institutes of Health (NIH).

Patients may be eligible to participate in CIRT if they have had a heart attack in the past 5 years and have been diagnosed with either diabetes or a condition called “metabolic syndrome,” which puts them at high risk for developing diabetes. This is a long-term prevention trial and participation could be for up to 6 years. There may be up to 30 clinic study visits, with telephone visits by the study staff in between the regularly scheduled in-person study visits.

The study will enroll about 7,000 men and women from the United States and Canada with Marshfield Clinic’s goal at about 20 participants. Daphne York and Chris Bishop are the lead clinical research coordinators on this project.

NFMC, Security Health Sponsor Major Agricultural Safety Event



**2013
NORTH
AMERICAN
AGRICULTURAL
SAFETY
SUMMIT**

The National Farm Medicine Center and Security Health Plan are among sponsors of the 2013 North American Agricultural Safety Summit, Sept. 25-27, at the Marriott Minneapolis City Center Hotel.

The first-of-its-kind event will be “Raising Safety” across all agricultural sectors and empowering agricultural leaders to influence the adoption of safe practices in their businesses and organizations.

The Summit is being hosted by the not-for-profit Agricultural Safety and Health Council of America (ASHCA), which got its start within the National Farm Medicine Center. Attending the Summit as part of the Security Health Plan sponsorship are Marshfield Clinic Research Foundation Executive Director Robert Steiner, MD, Thomas Fritsche, MD, and Sanjay Shukla, PhD.

Summit speakers include CHS President Carl Casale, National Institute for Occupational Safety and Health (NIOSH) Director Dr. John Howard, Canadian Ambassador to the U.S. Gary Doer, Farm Foundation President Neil Conklin, Redlands Christian Migrant Association Executive Director Barbara Mainster, Dairy Farmers of America Vice President David Darr, National Council of Agricultural Employers Executive Vice President Frank Gasperini, AGree Executive Director Deborah Atwood, and USDA Deputy Under Secretary for Research, Education and Economics, Dr. Ann Bartuska. *(continued on next page)*

http://mclweb.mfldclin.org/mcrf/?page=mcrf_updates

Agricultural Safety Event *(continued)*

National Children's Center Director Barbara Lee, PhD, Administrative Secretary Kathie Smith, and NFMC Director Matthew Keifer, MD, MPH, have been at the forefront of Summit planning. The rest of the NFMC staff are also playing key roles. In addition, four Future Farmers of America (FFA) members from Marshfield High School will be assisting on-site.

NFMC Director Emeritus Dean Emanuel, MD, will be among several individuals receiving distinguished service awards at the Summit for "proactively addressing the health and safety of people engaged in agricultural work across the U.S." Dr. Emanuel was a leader in establishing the Farm Center in 1981 and his research on Farmer's Lung disease drew world attention to Marshfield.

For more information on the North American Agricultural Safety Summit go to www.ashca.com.

Dr. Barbara Lee Quoted in USA Today Story on Child Ag Labor



Barbara Lee, PhD, director of the National Children's Center for Rural and Agricultural Health and Safety, was quoted in an August 30 story that ran in USA Today and other major daily papers, titled "Kids may have picked food for your Labor Day picnic,"

<http://www.usatoday.com/story/news/nation/2013/08/30/stateline-children-farm-work/2737243/>. The story also mentioned the Journal of Agromedicine.

The story ran in the Chicago Tribune as well as papers in Detroit, Tucson, Indianapolis, Cincinnati, and elsewhere. Reporter Marsha Mercer of Pew/Stateline brought renewed focus to an issue that received national attention last year when the Department of Labor proposed updates to the federal child agricultural labor laws. Although the updates pertained to hired youth, the proposed changes were withdrawn by the Obama Administration in April under pressure from farm groups who saw the changes as a threat to the family farm.

Dr. Lee and NFMC Communications Specialist Scott Heiberger were able to influence the direction of the story by providing background information and context, as well as by suggesting names of sources who ended up being quoted.

HIPAA Authorization Templates Updated

Please be advised that the HIPAA authorization templates for research have been updated for recent regulatory changes. The templates are stored in Forms Library and can be accessed by investigators and research staff at the following link:

http://srdweb1/clinic/policies/form_results.asp?FL=Yes&L=H&typeEntity=clinic. The two forms updated are titled "HIPAA Authorization to Use or Disclose Protected Health Information for Research" and "HIPAA Authorization to Use or Disclose PHI for Research Database or Bio-bank." Investigators and staff are reminded to access the most recent version of the templates when drafting authorizations. If you have any questions about these updates, please contact Melissa Ostrowski at 715-387-5858 or Diane Austin at 715-387-9134.

http://mclweb.mfldclin.org/mcrf/?page=mcrf_updates

MCRF to Host Oral-Systemic Health Conference

Marshfield Clinic Research Foundation will host the 2013 Oral-Systemic Health Conference on October 4th in the Froehle Auditorium. The theme of this year's conference is "Medical – Dental Interprofessional Initiatives and Competencies." The conference will focus on addressing the importance of oral health within medical practices and overall health within dental practices. For more information about this conference, please see the attached brochure:



2013 Oral-Systemic
Health Conference Br

Upcoming SoCRA Wisconsin Chapter Meeting

The Society of Clinical Research Associates Wisconsin Chapter meeting will be held on September 23 from 5:15 until 7:00 pm. The topic at this meeting will be "To Consent or Not to Consent – Biobanking Regulations, Challenges, and Considerations." For further information about this meeting, please see the attached document:



SOCRA WISCONSIN
CHAPTER MEETING.d

'Monopoly: Auction of Champions Edition' to Benefit NFMC Programs

Marshfield's premier social event returns with a new twist on a classic board game, "Monopoly: Auction of Champions Edition." This year's Auction will be held on Thursday, September 19, at RiverEdge Golf Course, 10191 County Highway B, Marshfield. Cocktails and silent auction begin at 5 pm, followed by dinner at 7 pm, and live auction at 8 pm.

Last year's Auction of Champions raised a record \$247,000 to benefit the work of the National Farm Medicine Center, including funds to pilot the Farm Center's new tractor rollover protective structure (ROPS) rebate program. Since the first Auction in 1982, the annual gala has raised nearly \$2.8 million for the Farm Center. *(continued on next page)*



Auction of Champions *(continued)*

Get out the bidding paddles, because this action-filled night never disappoints. Bid on prime meat packages and all variety of unique items, including:

- John Deere lawn tractor
- Purebred Chocolate Lab hunting puppy
- “The World is your Destination” vacation package
- Green Bay Packer vs. New York Giants football getaway package
- Marshfield’s very own “Community Chest” variety package
- Extreme Landscaping makeover
- A Day on the Golf Course with Wisconsin basketball coach Bo Ryan

Last year’s funds have been used to sign up more than 200 Wisconsin farmers for the Farm Center’s ROPS rebate program, with a dozen ROPS installed so far. The program pays up to 70 percent (maximum of \$865) toward the total cost of purchasing, shipping, and installing individual ROPS. Funds raised also support key activities such as editorial management of the Journal of Agromedicine, hand washing stations at the Central Wisconsin State Fair, and safety information booths at the Marshfield Farm Show, Farm Technology Days, and other outreach events.

“The success of the event is thanks in large part to the hard work of the event committee, chaired by Clinic dermatologist Erik Stratman, MD, and consisting of 45 community members, and the generosity of so many businesses and individuals,” said Tiffany Halan, special events coordinator in the Clinic’s Development Department.

Register now for this first-class event! Tickets are \$100 and can be purchased at <http://www.marshfieldclinic.org/AOC> or contact Marshfield Clinic Development Department at 715-387-9249.

In Addition:

- The next full Foundation meeting will be on Thursday, September 12th, at 10 AM in Froehle Auditorium. Please email any questions to Jeanette Normington.
- For the latest issue of the UW-Madison newsletter, *ICTR Today*, please click here: ictr.wisc.edu/Newsletters
- *Research Matters* is always accepting announcements. Your contributions are truly appreciated.

Contributors to this issue: Jane Carl, Scott Heiberger, Cathy Marx, Anne Nikolai, Jeanette Normington, Melissa Ostrowski, Dixie Schroeder, Robert Steiner, MD

Edited by: Alexis Tavano, MPH, tavano.alexis@mcrf.mfldclin.edu, ext. 1-8939.

http://mclweb.mfldclin.org/mcrf/?page=mcrf_updates

A Word from the Executive Director



I am delighted to welcome Dr. Steve Ziemba, who has joined MCRF as the Associate Director. Steve comes to Marshfield from Phoebe Putney Memorial Hospital in Albany, GA, where he was the Director of Clinical Research. Steve's outstanding experience in research administration, as well as his science background, will be a great asset to MCRF. Steve will oversee many of MCRF's day-to-day operations, including faculty



recruitment and retention, funding, philanthropy, compliance, protection of human subjects, and regulatory issues. He'll be instrumental in allowing us to move forward with our new strategic plan and vision we're developing to support the great research at MCRF, while helping move the Foundation forward. Please join me in welcoming Steve to our organization.

Four Abstracts from Marshfield Accepted at American Medical Informatics Association Annual Symposium

*Accepted D.I. Abstracts (Posters) at AMIA 2013 Annual Symposium,
Washington, D.C., November 16th - 20th, 2013*

Clinical Decision Support Use in Dentistry: A Review of the Literature

Kelsey M. Schwei, MS¹, Neel A. Shimpi, BDS, MM¹, Barbara Bartkowiak, MLIS², Zhan Ye, PhD¹, Ingrid Glurich, PhD¹, Amit Acharya, BDS, MS, PhD¹

¹Marshfield Clinic Research Foundation; ²Marshfield Clinic, Marshfield, WI

Abstract: While adoption of health information technology (HIT) has been steadily increasing in medicine, adoption in dentistry has been slow. Clinical decision support (CDS), applicable to both medical and dental arenas, can help a clinician with the patient-centered decision making process. By conducting a review of the literature, this study aimed to identify and categorize the scope of CDS applicable to the field of dentistry. (*continued on next page*)

AMIA Abstracts *(continued)*

Implementation of i2b2 Schema to Integrate Patient Data from Medical and Dental Practices

Laurel Verhagen, BS, Joe Finamore, BA, Jay Fuehrer, BBA, Jacqueline Bohne, BS, Aaron Miller, PhD, Amit Acharya, BDS, MS, PhD
Marshfield Clinic Research Foundation, Marshfield WI

Abstract: As the need for oral systemic research increases, tools are required to bridge the gap between medical and dental health information. This project leverages the i2b2 system to provide a unified query mechanism of Marshfield Clinic data.

Info-button Usage within Problem List: A Two-Year Case Study at Marshfield Clinic

Vojtech Huser, MD, PhD¹, Aaron Miller, PhD², Amit Acharya, BDS, MS, PhD²
¹Laboratory for Informatics Development Clinical Center (National Institutes of Health), Bethesda, MD; ²Marshfield Clinic Research Foundation, Marshfield, WI

Abstract: Unmet information needs of clinicians can be addressed by context-aware infobuttons within an Electronic Health Record system. At Marshfield Clinic, an integrated delivery network in Wisconsin, we implemented infobuttons using the HL7 standard within the problem list module of a home grown EHR system in 2009 - long before the Meaningful Use mandate. We describe adoption of this technology by EHR users over a 26 month period. Usage pattern show a relatively infrequent use (76% of users used in once or twice in a 2 year period) and that non-physicians users were responsible for the majority of infobutton clicks (69%). We also present analysis of use by user age, disease of interest and physician's specialty.

Adoption of Health Information Technology among Dental Practices in the United States

Dixie Schroeder, BA, Kelsey Schwei, MS, Carla Rottscheit, BA, Catherine Schneider, Po-Huang Chyou, PhD, Amit Acharya, BDS, MS, PhD
Marshfield Clinic Research Foundation, Marshfield, WI

Abstract: Implementation of health information technology in dental practices varies considerably throughout the United States. This study aimed at understanding the dentists' perceptions and adoption of electronic dental records, as well as other health information technology in their practices.

Research from Epidemiology Research Center Presented at International Influenza Conference



MCRF investigators recently presented research results at a major international conference on influenza. The conference, called “Options for the Control of Influenza” is held every 3 years and attracts virologists, epidemiologists, immunologists, industry representatives, and policy makers from around the world. This year’s meeting was held in Cape Town, South Africa in early September.

Edward Belongia, MD, and Maria Sundaram, MSPH presented a total of 4 abstracts, including two that were led by Huong McLean, PhD. Dr. McLean was on maternity leave and unable to attend. The poster presentations included final influenza vaccine effectiveness results from the 2012-13 season, results from a Marshfield-led clinical trial on late treatment with an influenza antiviral drug (oseltamivir), factors influencing influenza virus shedding, and the effects of repeated annual vaccination on influenza vaccine effectiveness. The poster titles and conclusions are listed below.

The Marshfield investigators used data gathered from Marshfield Clinic’s nine years of influenza vaccine effectiveness research funded by CDC. For the 2012-13 season report on vaccine effectiveness, other participating sites included University of Pittsburgh, Group Health (Seattle), Scott & White (Temple, TX), and the University of Michigan.

For the US Flu Network’s analysis of vaccine effectiveness during last year’s influenza season, visit: <http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6207a2.htm>

Title: Vaccine effectiveness did not vary by influenza B lineage in the 2012-13 season: preliminary results from the US Flu VE Network

Authors: E Belongia, H McLean, M Sundaram, J Meece, J Clippard, M Jackson, L Jackson, A Monto, S Ohmit, R Zimmerman, M P Norwalk, M Gaglani, A Fry, S Spencer, M Thompson.

Summary: The 2012-13 trivalent vaccine (containing only one B strain) provided moderate and similar levels of protection against medically-attended illness caused by the vaccine lineage and alternative lineage. Further research is needed to confirm these findings and assess potential mechanisms for cross-lineage protection.

Title: Late treatment with oseltamivir does not reduce duration of influenza symptoms or shedding in persons with uncomplicated influenza

Authors: H McLean, B A Kieke, J K Meece, A Fry, E Belongia

Summary: 134 patients with influenza were randomized to receive oseltamivir or placebo, 48-119 hours after onset of symptoms. There was no difference in time to symptom resolution between treatment groups, and no difference in viral shedding rate 3-4 days post-randomization.

Title: Current and previous season vaccination have similar effectiveness for preventing medically-attended influenza A (H3N2) and B: Results from a community cohort over 8 seasons

Authors: H McLean, M Sundaram, B Kieke, J Meece, D McClure, M Thompson, E Belongia

Summary: The current season vaccine is effective regardless of prior vaccination history; however, there was evidence of residual protection from receipt of vaccine in the previous season. Current and previous season vaccination provided similar levels of protection for both A(H3N2) and B influenza. (*continued on next page*)

http://mclweb.mfldclin.org/mcrf/?page=mcrf_updates

International Influenza Conference *(continued)*

Title: Use of real-time RT-PCR to estimate influenza A(H3N2) virus shedding: Association of cycle threshold with clinical and demographic characteristics

Authors: M Sundaram, J Meece, D McClure, S Spencer, J Clippard, M Thompson, E Belongia

Summary: Lower Ct values (i.e., higher viral load) were associated with shorter intervals between symptom onset and swab, and younger age. Ct values were significantly lower in persons who received at least one influenza vaccine. These findings require confirmation in other seasons and populations.

NFMC Lays Groundwork for Future of Agriculture Safety and Health at Summit

Organizations used summit to make major farm safety announcements



As federal funding for research dwindles, the National Farm Medicine Center is working to increase the involvement of agribusiness in reducing injuries and promoting best safety practices in America's most hazardous occupation.

The Farm Center played a lead role in planning and hosting the North American Agricultural Safety Summit, Sept. 25-27 in Minneapolis, which convened industry leaders and safety experts, as well as farmers, ranchers, migrant advocates, engineers, media, physicians and government representatives.

Security Health Plan was among sponsors for this event, hosted by the Agricultural Safety and Health Council of America (ASHCA). ASHCA Executive Director Barbara Lee, PhD, who also serves as the National Children's Center director, facilitated establishment of the ASHCA in 2007 with the intention that agricultural leaders would take the lead as the organization reached maturity. The summit may have sealed the transition.

The event drew more than 250 attendees from 10 nations. Media coverage included a nationally-released Associated Press story, live interviews on Rural TV and coverage by large agriculture radio networks, such as Brownfield Ag News.

Summit sponsor CHS Inc., a Fortune 100 farmer-owned agribusiness, was one of two key organizations that chose the Summit as the backdrop for major announcements.

- CHS President and CEO Carl Casale committed \$3 million to a national agricultural safety initiative intended to keep the next generation safe as it feeds a growing world population.
- Ann Bartuska, PhD, US Department of Agriculture Under Secretary for Research, Education and Economics, announced USDA has earmarked \$600,000 to make safety training available for youth working in production agriculture.

Attendees from the Research Foundation included Director Robert Steiner, MD; Thomas Fritsche, MD; Sanjay Shukla, PhD; and Joe Mazza, MD. *(continued on next page)*

Agriculture Safety Summit *(continued)*



Pictured from left: Dr. Dean Emanuel; Matthew Keifer, MD, MPH; James Dosman, MD; Barbara Lee, PhD; and Marc Schenker, MD, MPH.

Former Research Foundation Board President and National Farm Medicine Center Director Dean Emanuel, MD, was honored at the ASHCA awards luncheon for his “distinguished service” to agricultural safety and health.

U.S. Senator Tom Harkin, D-Iowa, accepted a Lifetime Achievement award from ASHCA with a videotaped message. Harkin worked with Senate colleagues in the early 1990s to initiate the first concentrated federal focus on agricultural safety and health.

“By convening leaders of farm organizations and agribusinesses, along with safety professionals and public servants, you have a tremendous opportunity ... to make a lasting impact on the safety and health of those who produce our food,” Harkin told the awards luncheon audience.

NFMC Director Matthew Keifer, MD, MPH, and nine other NFMC scientists and staff were involved with planning, posters, presentations, exhibits and summit support. Lee worked closely with Administrative Secretary Kathie Smith to ensure a successful event.

“There is no doubt that our NFMC staff were the shining stars of the summit,” Lee said.

MCRF Executive Director Robert Steiner, MD, also credited NFMC staff for making the summit a success. “This was an outstanding meeting in every way,” Dr. Steiner said. “It was well organized and attended, relevant, and served as a forum for the presentation of outstanding science. Avenues such as the summit will lead to much needed improvements in farm safety.”

ASHCA Chair William Nelson, vice-president of corporate citizenship for CHS, agreed, saying the NFMC did an “incredible job” in making the summit a “transformational event.”

“The Summit challenged our agricultural community to think a little more broadly about the issue of ag health and safety,” Nelson said. “And it challenged our colleagues, who are already deeply involved in ag safety, to participate in this conversation ... and to learn more about the practical aspects of agricultural safety.”

Among the outcomes for ASHCA is that, “we have created a fertile ground for building a membership model that may be different and unique in modern day organizations,” Nelson said.

A dedicated issue of the Journal of Agromedicine in April 2014 will publish papers and abstracts from the summit, said Dr. Keifer, editor-in-chief of the journal.

A complete listing of summit information, including bios on more than 80 speakers and listings of all sponsors and partners, is available online.

Research Paper Published in *Journal of Cancer*



“Modeling Efficacy of Bevacizumab Treatment for Metastatic Colon Cancer” was recently published in the *Journal of Cancer*. Marshfield Clinic physician Dr. Rezwan Islam and co-investigators Dr. Po-Huang Chyou and Dr. Jim Burmester collaborated on this study to determine if such factors as symptomatology, tumor location and type, and initial response to chemotherapy were predictive of response to treatment with bevacizumab. Based on the results of this study, collaboration with the University of Chicago and submission of two NIH grants (R01 and R21) are in progress. Dr. Aaron Miller, Jane Carl, Patti Baer, and Dr. Steve Yale were also tremendously helpful, “and it would and it would have been impossible to do this without the combined efforts of everyone involved,” said Dr. Islam. The complete article can be found here:



Marshfield Center Orthopedics Involved in an Investigator-Initiated Clinical Research Study



Mustafa Farooque, MD, is participating as Principal Investigator on an investigator-initiated clinical trial entitled, *Effectiveness of Bilateral Transforaminal Epidural Steroid Injections in Degenerative Lumbar Spinal Stenosis Patients with Neurogenic Claudication: A Prospective Outcome Study*, funded by Marshfield Clinic and Marshfield Clinic Research Foundation.

The research goal is to investigate the effectiveness of bilateral transforaminal epidural steroid injections (BTESI) in alleviating buttock and/or lower extremity symptoms of neurogenic claudication (NC) with or without low back pain, as well as improving function, in patients with degenerative lumbar spinal stenosis (DLSS). The hypothesis of the project is BTESI at the level of the most stenotic segment of the central canal of the lumbar spine decreases symptoms of NC and improves function in patients with DLSS.

The study design is a prospective, non-randomized, case series study. Participants are recruited from the spine practice in the Department of Orthopedics at Marshfield Clinic. The planned overall duration of the study is approximately 1.5 years and will include:

- 6 months for patient recruitment and injections
- 6 months for the actual study duration (injections, questionnaires at multiple time points, completion of database)
- the 2 phases above can overlap a bit; as patients are enrolled, their injections will start to be scheduled and performed
- 3 months for database validation/QA
- 3 months for stats analyses, with preparation of manuscript to follow

The study will enroll 40 participants. Lisa Larson is the lead Clinical Research Coordinator on this project.

http://mclweb.mfldclin.org/mcrf/?page=mcrf_updates

MCRF Purchases MiSeq Machine

In September, Marshfield Clinic Research Foundation purchased an Illumina MiSeq machine. The Illumina MiSeq is an innovative tool for “next generation sequencing.” The instrument is capable of generating 25 million sequencing reads in a single experiment. Core Lab will assume the duties to operationalize experiments and the responsibility for service and maintenance. The MiSeq machine is available to all MCRF scientists to utilize.

Scientists will use this instrument for targeted gene, whole mRNA, and whole exome sequencing to identify genes involved in human disease. In addition, the MiSeq will be used to sequence the genomes of thousands of bacteria (microbiome) isolated from human tissues and fluids to identify pathogens that may cause human illnesses. These cutting edge experiments will be invaluable as Marshfield Clinic Research Foundation scientists apply genetics/genomics for individualized medicine.

Latest Policy and Form Changes: ORIP Updates

Revisions to the documents listed below are effective as of October 1, 2013. Many of the changes relate to requirements for AAHRPP accreditation. Investigators and staff are encouraged to attend upcoming ORIP Education Series presentations, where changes will be highlighted. Investigators and staff should always access policies, procedures, guidance documents, and forms directly from the Policy and Forms Library to ensure that the most recent version is used.

New Policies / Procedures / Resource Guides:

1. Adults Lacking Capacity to Consent
2. Assuring Research Involving Test Articles (Drugs, Biologics, Nutritional Supplements or Devices) Complies with FDA Requirements.
3. Data and Safety Monitoring Plans

Revised Policies / Procedures / Resource Guides:

1. Changes / Amendments to Approved Research
2. Continuing Review
3. Criteria for Approval
4. Deferring Review of Marshfield Clinic Studies to an External IRB
5. Exempt Projects, IRB Review of
6. Human Participants in Research & the Human Participant Protection Program
7. Human Subjects Protection Training
8. ICH GCP Guidelines & IRB Review
9. IRB Approvals with Conditions
10. IRB Membership
11. IRB Review of Transnational Research
12. Non-Compliance in Human Subjects Research
13. Reporting to IRB, Institutional Officials, and Regulatory Bodies
14. Responding to Human Research Questions, Concern & Input
15. Scientific or Scholarly Validity Review Requirements
16. Unanticipated Problems, Reporting and Review of *(continued on next page)*

http://mclweb.mfldclin.org/mcrf/?page=mcrf_updates

ORIP Updates *(continued)*

Retired Policies / Procedures / Resource Guides:

1. Deviations and Protocol Exceptions

New Forms:

1. IRB Unanticipated Problem Involving Risk Report
2. IRB Unanticipated Problem Not Involving Risk Report

Revised Forms:

1. IRB Amendment/Revision/Update (ARU) Submission
2. IRB Consent Template
3. IRB Consent Template – Research Tissue Bank
4. IRB Deferral Request
5. IRB Exemption Request
6. Serious or Continuing Non-Compliance Report & CAPA
7. UP Involving Risks
8. UP Not Involving Risks

Retired Forms:

1. IRB Protocol Deviation Report
2. IRB Protocol Exception Report

CCOP CRC Passes ACRP Certification Examination



Susan Kolb, a Clinical Research Coordinator in the Community Clinical Oncology Program at MCRF has passed the Association of Clinical Research Professionals certification examination. Her manager, Brian Acker, had this to say of Susan: “Hard work, commitment, and dedication are the principles for success. Susan exemplifies these attributes and works tirelessly to meet and exceed expectations in these areas. She began to prepare well in advance for this challenging certification exam. I applaud Susan for achieving this prestigious level of certification. Susan will utilize this experience well. The learning curve is a continuum and the knowledge gained will serve her team well and ultimately bring continued success to our department.”

In Addition:

- The next full Foundation meeting will be on November 14th at 10AM in Froehlke Auditorium. Please email any questions confidentially to Jeanette Normington.
- The next Board of Trustees meeting will be held on November 21st at 6PM in the Laird 50 conference room.
- For the latest issue of the UW-Madison newsletter, *ICTR Today*, please click here: <https://ictr.wisc.edu/Newsletters>. The current issue features the Translational Technologies and Resources Core (TTRC).
- *Research Matters* is always accepting announcements. Your contributions are greatly appreciated.

Contributors to this issue: Brian Acker, Bobbi Bradley, Jane Carl, Scott Hebring, Scott Heiberger, Dr. Rezwan Islam, Cathy Marx, Jennifer Meece, Anne Nikolai, Melissa Ostrowski, Dixie Schroeder, Melissa Slager, Maria Sundaram

Edited by: Alexis Tavano, MPH, tavano.alexis@mcrf.mfldclin.edu, ext. 1-8939.

A Word from the Executive Director



We are all very proud of Dr. Amit Acharya for his upcoming invitation to serve as the 2013 Visiting Professor on Contemporary Issues in Dentistry Program at the Columbia University College of Dental Medicine. This is a prestigious honor. We also congratulate Melissa Slager who, as you will see below, has passed an important milestone for those working in clinical research. Third, we are pleased to highlight an important clinical trial that Dr. Jaime Boero is leading at Marshfield Clinic. Drug and device research is an integral part of MCRF, and an area that we want to grow; a renewed focus on clinical trials is good for our patients, our clinician-investigators, Marshfield Clinic, and

MCRF. This is a nice segue for me to introduce the first column for Research Matters by our new Associate Director, Steve Ziemba, PhD. Dr. Ziemba has a great deal of experience with clinical research and will assist Dr. Steve Yale and Kristin Martinez and their staff in continuing to build clinical trials and investigator-initiated research at MCRF. Steve has been introduced previously in this venue and others, but I now cordially invite his contributions to Research Matters. Please join me in welcoming Steve to the Foundation. His expert leadership will be critical as we attempt to achieve our lofty goals for MCRF (which you will read about in future issues).

And from Our Associate Director



First, allow me to express my gratitude and excitement for being invited into the Marshfield Clinic Research Foundation (MCRF). This allows me to be engaged in groundbreaking work with outstanding individuals and in a unique organization. One recent example of our success includes the Institute for Clinical and Translational Research (ICTR) via our partnership with the UW-Madison. A number of services are available via this partnership, described in the present newsletter. As a result of our work, the MCRF received high accolades during the recent External Advisory Committee

conference held in Madison, at which various ICTR members presented their work. A second success was the presentation of a number of MCRF scientists at the 63rd Annual Meeting of the American Society of Human Genetics (ACMG) in Boston, MA. Presenters included Dr. Steve Schrodi on his work in phenotype mapping of IL-6 and TNF α in chronic systemic inflammation; Dr. Sanjay Shukla's genome study on susceptibility to *S. aureus* infection, and Dr. Scott Hebring on measuring phenotypic heritability via electronic medical records. Dr. Bob Steiner, a member of the ACMG Board, was also present. These are only a few examples of the work that has provided MCRF with its national recognition in research. *(continued on next page)*

From Our Associate Director *(continued)*

The MCRF has been involved in many endeavors throughout its 50 years, which have established it as a highly regarded contributor to scientific and medical knowledge. In that regard, our continued success as a research organization is dependent on us as an organization adapting to changes occurring in the research environment. My role is to work with you to better understand these changes and facilitate our response. By working collaboratively, we can expand our capabilities and achieve even greater success.

Thank you and I'm looking forward to meeting everyone at MCRF.

Columbia University Visiting Professor Program: Contemporary Issues in Dentistry



The Advisory Committee at Columbia University College of Dental Medicine, composed of Alumni and Faculty representatives as well as corporate partners, has elected Amit Acharya, BDS, MS, PhD from the Marshfield Clinic Research Foundation to serve as the 2013 Visiting Professor on Contemporary Issues in Dentistry Program, which will focus on The Future of Health Information Technology as it Impacts Dentistry.

Formerly called the Percy T. Phillips Visiting Professorship, the program was launched during the fall of 1980 and was co-sponsored until 2010 with the New York State Dental Association. The Advisory Committee chooses nominees that are “recognized leaders in the health issues of the day,” “distinguished in their fields,” and “role models for students.” Dr. Acharya will join the esteemed list of Visiting Professors at Columbia University, such as D. Walter Cohen, DDS, Michael Glick, DMD, David A. Nash, DMD, EdD, Marjorie K. Jeffcoat, DMD, Richard W. Valachovic, DMD, MPH, and Charles Bertalomi, DDS, DMSc.

At the Columbia Visiting Professor Program to be held on November 7-8, 2013, Dr. Acharya will speak on these topics:

The Era of Big Data: What Does it Mean for the Future of Dentistry?

With the advent of technological and computing advancements, healthcare is seeing an exponential increase in the volume of health-related data. Electronic Health Records and Enterprise Data Warehouses around the world are facilitating the documentation and storage of this ‘ocean of data’. However, because not all data is ‘information’, healthcare providers, researchers, educators, administrators, and patients are trying to make sense of this tremendous data trove. *(continued on next page)*

Visiting Professor Program *(continued)*

The Role of Health Informatics and Information Technology (HIIT) in Solving the Grand Challenges in Dentistry

As healthcare in the US enters the era of accountability and moves towards achieving the “Triple Aim” [Population Health, Patient Experience, Per Capita Cost], dental and craniofacial care should not be dismissed. The cost of providing dental care is a growing concern. Based on a projection from the Centers for Medicare and Medicaid Services, the total national expenditure for dental care will almost triple between 2000 and 2020. As electronic health records become more widespread, the feasibility of integrating medical and dental care, research, and education is being explored by many healthcare organizations. The field of dental informatics can play a major role in facilitating the transformation of dentistry into the new era. This presentation will explore where dental informatics fits within the larger realm of the informatics world. An overview of the current changes to the healthcare delivery model and the evolution and impact of HIIT as they relate to some of the recent healthcare reforms will be explored. The role of information technology in facilitating access to care issues, and the role of HIIT in solving the Triple Aim in Dentistry will be reviewed.

Two Pilot Award RFAs Available as of November 1st, 2013

The Institute for Clinical and Translational Research (ICTR) announced two pilot awards available as of November 1st, 2013. The first is “ICTR Novel Methods Pilot Award Program – Platforms for Advancing Therapeutic Discovery & Development,” which provides support for methods and technologies that advance development of therapeutic discovery platforms. Proposed methods and technologies must be generally applicable (though not necessarily disease specific) and not directly project specific. Demonstration of compelling proof of principle in a specific field of application is expected. Pilot awards are \$50,000 maximum in direct costs for 12 months of support.



The second RFA is the “ICTR Vouchers Awards Program for Research Resource,” which is made available through the Translational Technologies & Resources Core (TTRC). This is the second round of short-term, \$1000-\$5000 voucher awards available to advance the translation of discovery into therapy. Applicants must document an urgent need for services based upon recent extramural grant review, or milestones for therapeutic development. Requests are redeemable only at one of the ICTR affiliated laboratories.

Please contact Peggy Hatfield, PhD, at UW-Madison at pmhatfie@wisc.edu, (608) 261-1939, to discuss questions of programmatic relevance.

How the UW-Madison / Marshfield Clinic Research Foundation Partnership Can Support Your Research

If you are a researcher at Marshfield Clinic or in its Research Foundation, you probably know that MCRF is a partner with UW-Madison in the NIH infrastructure grant that funds the Institute for Clinical and Translational Research (ICTR).

You know what the government expects: when you receive support from federal research, you need to acknowledge that help in publications. The question is: what constitutes ICTR support in your research? The UW grant funds a variety of services at MCRF through FTE support in administration, biomedical informatics, labs, genomics, PMRP, MESA, and even community engagement and research. MCRF, in fact, annually receives about 13 percent of the UW-Madison ICTR grant. So, what counts as "supported"?

Some support is obvious, of course, like being the investigator, or co-investigator, who receives some of the \$1 million in ICTR pilot funding distributed every year. However, you should also cite the ICTR grant when you receive other ICTR-MCRF services:

- Biomedical informatics consultations, such as a data request for assessing the feasibility of a project
- Biostatistical support or collaboration during the feasibility or design phase of a project
- An appointment as an ICTR KL2 scholar
- Epidemiologic consulting for MESA and other population studies
- Support for community engagement in research
- A research project using the Wisconsin Network for Health Research (WiNHR)
- A consult with Steven Yale, MD, about doing clinical research at Marshfield Clinic
- Use of the Personalized Medicine Research Project database at Marshfield
- Use of the MCRF Core Lab and personnel for a study

For those who have received ICTR support, remember to acknowledge that support on your publications by stating: "Supported by grant UL1TR000427 from the Clinical and Translational Science Award (CTSA) program of the National Center for Advancing Translational Sciences, NIH." If you have questions, contact Alexis Tavano, MPH, ICTR and WiNHR research project coordinator, (715) 221-8939 or tavano.alexis@mcrf.mfldclin.edu. If you are not yet an ICTR member, visit <https://ictr.wisc.edu/ictrmember> and complete an application. Note the latest pilot grant funding announcements at <https://ictr.wisc.edu/FundingOpportunities>.

Multispecialty Clinical Research Assistant Manager Passes SoCRA Certification Examination

Melissa Slager has passed the exam to become a Certified Clinical Research Professional through the Society of Clinical Research Associates (SoCRA). Melissa has been a huge asset to the Multispecialty department. Slager's manager, Jane Carl, said: "Obtaining the CCRP credential validates the skills and knowledge Melissa has developed in clinical research and applies on a daily basis. I am proud of her accomplishment and only see more growth in Melissa's future."



Marshfield Neurologist Participating as PI in Device Clinical Trial



Jaime Boero, MD, PhD, Marshfield Center Neurologist, is participating as the Principal Investigator on an investigational device clinical trial entitled, “*Respicardia, Inc. Pivotal Trial of the remedē System.*” (ClinicalTrials.gov Identifier: NCT01816776)

The primary purpose of this prospective, multicenter, randomized trial is to evaluate the safety and effectiveness of therapy delivered by the remedē system in subjects with moderate to severe central sleep apnea and optimal medical management, compared to outcomes in randomized control subjects receiving optimal medical management and implanted but inactive remedē systems.

Key eligibility criteria include:

- At least 18 years of age
- Central sleep apnea confirmed by core lab analysis of PSG with EEG within 40 days of scheduled implant

Participants are randomized 1:1 to either the treatment or control group.

- Experimental: Treatment Group: Subjects implanted with the remedē system device and randomized to the treatment group will receive optimal medical therapy and have the remedē system initiated to deliver phrenic nerve stimulation at the Therapy Initiation Visit (1 month post device implant).
- Control Group: Subjects implanted with the remedē system device and randomized to the control group will receive optimal medical therapy through the 6-month Post-Therapy Initiation Visit. Control group subjects will have the remedē system initiated to deliver phrenic nerve stimulation at the 6-month Post-Therapy Initiation Visit (7 months post device implant).

The study will enroll approximately 173 participants with a goal of 147 randomized globally. There are 25 US centers participating in the trial. Co-investigators on the trial are John Hayes, MD, and Param Sharma, MD. The lead study coordinator for this trial is Kathy Mancl.

CHG Researchers Attend 63rd Annual American Society of Human Genetics (ASHG) Meeting

The 63rd Annual Meeting of the American Society of Human Genetics (ASHG) was held October 22-26 in Boston, MA. ASHG is the largest human genetics meeting, attracting over 6,500 scientists and 400 vendors from around the world. ASHG members and leading scientists from around the world are selected to present their research findings at invited platform and poster sessions. Nearly 3,000 presentations were made during the conference. Abstracts of work submitted for presentation at the annual meeting are published online. ASHG's annual meeting also features a trade show floor that offers attendees the opportunity to view state-of-the-art medical and laboratory equipment, products, services, and computer software designed to enhance human genetics research, teaching, and consultation.

The theme for this year's meeting was to jointly celebrate milestones in genetics with the 65th anniversary of ASHG, the 60th anniversary of the discovery of the double helix and the 10th anniversary of the completion of the Human Genome Project. *(continued on next page)*

http://mclweb.mfldclin.org/mcrf/?page=mcrf_updates

American Society of Human Genetics (ASHG) Meeting *(continued)*

The scientific program included 21 invited scientific sessions and 45 platform sessions. The plenary session and platform presentation sessions were comprised of more than 400 presentations drawn from submitted abstracts. Thousands of posters were also on display.

CHG investigators who presented included:



Steve Schrodi - Molecular Intermediate Phenotype Mapping of IL-6 and TNF α Levels Reveals Genes Critical for Chronic Systemic Inflammation. Steve Schrodi, Donna David, Jen Meece, Robert Strenn, Joe Mazza, Murray Brilliant, and Judith A. Smith (UW-Madison).



Sanjay Shukla - A Genome Wide Association Study to Determine the Susceptibility to *Staphylococcus aureus* Infection. Zhan (Harold) Ye, Daniel Vasco, Tonia Carter, Murray Brilliant, Steven Schrodi, and Sanjay Shukla.



Scott Hebring - Use of Electronic Medical Records to Measure Phenotypic Heritability. Scott Hebring, Min (Max) He, Zhan (Harold) Ye, John Mayer, Steven Schrodi, and Murray Brilliant.

Donated Funds Available for Research Projects

MC/MCRF is the beneficiary of donations from grateful patients that are expected to be used for conducting disease specific research. Through MCRF's Internal Funding policy:

http://srdweb1/clinic/policies/policy_details.asp?RecID=253, employees of MC can apply for access to these donated funds by submitting a research proposal to the Research Committee for scientific merit review. The "Research Committee Application - Projects Requesting Funds" is located at: http://srdweb1/clinic/policies/form_results.asp?FL=Yes&L=R&typeEntity=clinic. During the past year, the level of base funding available per project has been increased to \$50,000. (When practicing clinicians are participating in the research, an additional \$15,000 per project may be awarded to compensate for their time and effort.)

Effective October 1, pre-proposals are required to be submitted for review in advance of submitting a full proposal. Applications may be submitted any time prior to the start of each quarterly cycle, with new cycle dates beginning on the 16th of March, June, September, and December. Applications are reviewed in the order they are received during the cycle, so it can be advantageous to submit proposals earlier in the cycle than later.

A listing of disease specific funds available can be found on the Research Mentor intranet landing page, with a link titled "Donated Funds Available for Research": <http://mclweb/mcrf/?page=researchmentor>. Questions regarding this funding mechanism can be directed to Deb Hansen (ext. 7-9130).

http://mclweb.mfldclin.org/mcrf/?page=mcrf_updates

Advanced Short Course in Clinical and Translational Research

Do you know of fellows, advanced graduate students, and junior faculty interested in developing their capacity to conduct clinical and translational research? Please share this invitation to join us at ICTR's 4th annual Advanced Short Course, December 12-13, 2013 in the Health Sciences Learning Center.

This 1.5-day Advanced Short Course will provide participants with hands-on opportunities to draft and revise a research proposal and individual development plan, an overview of the health sciences IRB/IACUC, and guidance for writing effective consent forms. In addition, there will be interdisciplinary panel discussions on topics such as effective strategies for collaborating across disciplines and recruiting and retaining research participants. Networking time with fellows and faculty across disciplines will also be available.

For further details and to register, please visit the website:

<https://ictr.wisc.edu/AdvancedShortCourse>. **Please note:** due to the interactive nature of this program, distance education from Marshfield will not be possible and will require the participant to attend in person.

Clinical Medicine & Research Announcements

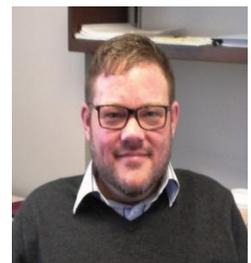


Starting in 2014, *Clinical Medicine & Research* will no longer be providing complimentary printed issues of the journal to Clinic physicians, scientists and staff unless specifically requested. If you are currently receiving the journal in print and would like this to continue, or if you would like to be newly added to the mailing list, please contact the Editorial Office via email (clinmedres@mcrf.mfldclin.edu) including your full name, department name and routing location. If you would prefer to have the journal mailed to your home address, provide this address alternatively.

Check out the September issue of *Clinical Medicine & Research* which contains the 2013 HMO Research Network annual conference proceedings and abstracts, as well as other original articles. *Clinical Medicine & Research* is available online at www.clinmedres.org or in print by contacting the Editorial Office.

New Staff

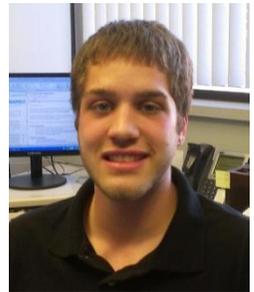
- The Office of Sponsored Programs is pleased to announce that Mike Christopherson has recently joined its staff. Mike was previously at Mayo Clinic for 13 years, which included working as a Grant and Contract Specialist for the last 3 years. Mike will be working primarily with the Center for Human Genetics, Core Laboratory, and the Resident Research Program. He chose MCRF because of our size and the opportunity to be closer to family. Mike enjoys traveling, fishing, shopping, and attending theater performances and old car shows. Please join us in welcoming Mike to MCRF! (*continued on next page*)



http://mclweb.mfldclin.org/mcrf/?page=mcrf_updates

New Staff *(continued)*

- Anne Edwards has accepted a Research Coordinator position in the Multispecialty department, effective October 21st, 2013. Anne is pursuing her second Associate degree in the Clinical Research Coordinator program at MidState Technical College. She brings with her experience as a Health Information Management/Release of Information Representative and as a Research Coordinator in the Epidemiology Research Center working on the influenza study. Please welcome Anne to the CRC staff!
- On October 28th, Jordan Weber joined ORIP staff as a Co-op student from Marshfield High school. Jordan is a senior, working for us a few late afternoons each week through the end of the school year. After graduation next May, Jordan hopes to pursue a degree in Business Management. Jordan joins ORIP after having worked for Sandy Freeman at Hub City Ice Cream (which he enjoyed tremendously!). His hobbies include photography, swimming, and outdoor activities. Jordan brings great enthusiasm to his role and we are delighted to have him on our team! Please help us welcome Jordan to MCRF by introducing yourself if you find an opportunity.



In Addition:

- The next full Foundation meeting will be on November 14th at 10AM in Froehle Auditorium. Please email any questions confidentially to Jeanette Normington.
- The next Board of Trustees meeting will be held on November 21st at 6PM in the Laird 50 conference room.
- For the latest issue of the UW-Madison newsletter, *ICTR Today*, please click here: <https://ictr.wisc.edu/Newsletters>. The current issue features the Translational Technologies and Resources Core (TTRC).
- Lori Weigel, Research Center Administrator for the Biomedical Informatics Research Center (BIRC), participated on a panel in Madison to discuss the importance of clinical trials and the role of women in clinical research. The forum was sponsored by The Clinical Trials Education Network of Wisconsin (CTEN-WI) in partnership with the Wisconsin Women's Health Foundation, and was moderated by Deb Kruser, Director of Wisconsin Network for Health Research (WiNHR).was moderated by Deb Kruser, Director of Wisconsin Network for Health Research (WiNHR).
- *Research Matters* is always accepting announcements. Your contributions are greatly appreciated.

Contributors to this issue: Deb Hansen, Peggy Hatfield (UW-Madison), Jolene Knetter, Kathleen Leick, Cathy Marx, Anne Nikolai, Paulette Sacksteder (UW-Madison), Sherry Salzman, Karin Silet (UW-Madison), Melissa Slager, Dr. Bob Steiner, Lori Weigel, Dr. Steve Ziemba

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A Word from Our Associate Director



I have now been in my position as Associate Director for two months. During that time, I have met many individuals, attended numerous seminars and meetings, and even shoveled snow for the first time in eight years. The point is that I am becoming more engaged in the work of the Research Foundation and the Marshfield community as a whole. In this short time, I have been witness to achievements that demonstrate MCRF's involvement as a significant voice of the healthcare industry. I have also seen challenges. One is the need to further develop an already innate camaraderie. You are already aware of our efforts to initiate enhancement, especially with our soon-to-occur presentation and visits with our consultant, Dr. Amy MacDonald during the week of December 9th. Her visit, observations, and recommendations are only the start of the process. Dr. Ed Krall, present here in Marshfield, will collaborate to continue this work. Our goal is to build upon the strengths we have in terms of people at MCRF and the talents they bring. This, ultimately, will lead to greater accomplishments in research and patient care than have already been achieved.

Core Laboratory Scientist Participates in ESA Symposium

Anna Schotthoefer, PhD, organized and moderated a special section symposium at the 61st annual meeting for the Entomological Society of America, titled, "The Expanding Boundaries of Tick-borne Diseases in the Midwestern USA" in Austin, TX on Nov 10, 2013. A total of 9 researchers from across the Midwest and eastern US presented at the symposium. Schotthoefer also presented a talk in the symposium titled, "Historical Overview of Tick-borne Diseases in the Midwest." More information can be found at the [ESA conference](#) website.



Adult deer tick

In addition, Schotthoefer presented [a talk](#) on research currently being supported by the MCRF that involved work done by past summer interns at MCRF, titled "Effects of lakeshore development and restoration on the abundance and infection prevalence of *Borrelia burgdorferi* in ticks in Vilas County, Wisconsin."

Dr. Thomas Fritsche Named Holder of New Endowment

Marshfield Clinic Pathologist Thomas Fritsche, MD, PhD, has been named as the inaugural holder of the Steve J. Miller Distinguished Physician/Scientist Endowment in Rural and Agricultural Health and Safety Research.

The endowment was named through a gift from Marbeth Spreyer, a Marshfield native, to Marshfield Clinic and the Marshfield Clinic Research Foundation (MCRF). The endowment is in honor of Spreyer's father, Steve J. Miller, who was a cheese wholesaler in Marshfield. The Steve J. Miller Recreation Area on Oak Avenue in Marshfield is named for him.

"My father was in the cheese business, which meant he was in the dairy business, which ultimately was the farm business," Spreyer said during a recent visit to Marshfield. "I also have a special feeling for Marshfield. It was my hometown and it was a wonderful place to grow up." Spreyer, 83, now lives in Virginia, and regularly returns to Wisconsin to visit close friends.



Marbeth Spreyer stands by a Marshfield park named after her father. Spreyer's gift to Marshfield Clinic Research Foundation, also in memory of her father, helped create a new endowment.



Thomas Fritsche, MD, PhD

Dr. Fritsche, Division of Laboratory Medicine at Marshfield Center, is an expert in human and animal antibiotic resistance, and this will be the area of focus for the study tied to the Miller Endowment. He wants to detect and study resistant strains of bacteria that colonize the intestinal tract of humans and animals before they cause infections. Then, as those resistant bacteria are isolated, Dr. Fritsche and his team will compare those bacteria to bacteria recovered routinely in human infections, such as those from the urinary tract, bloodstream and lungs.

"The beauty of this study is in integrating human and animal health questions occurring in the same geographic region," Dr. Fritsche said. "We have the patient population, veterinary lab services, and new lab tools that allow us to screen for resistance and identify bacteria cost

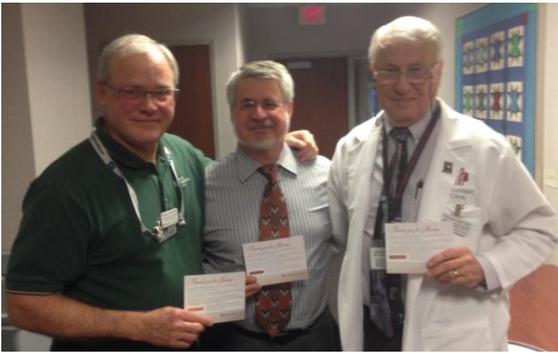
effectively. We also have the capability to molecularly dissect the genes that produce resistance in human and animal bacteria, and to track their movement between hosts. The Miller Endowment will play a pivotal role in getting this all started."

Former MCRF Researcher Receives Kudos from Website Editors

Dr. Catherine McCarty (former MCRF scientist) was contacted by the editorial team of the award-winning website, www.MDLinx.com, regarding her article, "[The Use of Dietary Supplements and Their Association with Blood Pressure in a Large Midwestern Cohort](#)," which was published in Nov 2013 in *BMC Complementary and Alternative Medicine*. The editorial team contacted McCarty to congratulate her, stating: "Your article was ranked by our team of physician editors as number 5 on our family-medicine site." MCRF co-authors include Richard Berg, Carla Rottscheit, and Dr. Richard Dart.

http://mclweb.mfldclin.org/mcrf/?page=mcrf_updates

Shining Star Awards Presented to Three Distinguished MCRF Researchers



Dr. Matt Keifer, Dr. Murray Brilliant, and Dr. Richard Dart (left to right in photo) were the first Marshfield Clinic Research Foundation employees to be honored with Shining Stars. The Shining Star program allows grateful patients to recognize a Marshfield Clinic employee who made an extraordinary difference in their Marshfield Clinic experience. For researchers to be honored is truly special.

Dr. Keifer and Dr. Dart were honored for their quick emergency response while attending an event. An elderly attendee fainted as she was exiting the event. Their reaction to the situation put everyone at ease and helped calm her companion. The donor wrote: "Their reaction to the situation shows their dedication to Marshfield Clinic's patients no matter the time, place, or location."

Dr. Brilliant was honored for his research helping people with albinism, a rare genetic condition that is challenging physically, socially, and culturally. The donor's daughter was born with the condition and wanted to recognize Dr. Brilliant for being one of the few scientists who has "been constantly interested in researching a cure for people with albinism." Dr. Brilliant also works to improve their vision, one of the biggest challenges these children face.

For more information about the Shining Star program, please contact Rikki Starich, Annual Giving Officer, at 9-3530 or starich.rikki@marshfieldclinic.org.

BIRC-ICR Duo Present "Heart Health in Your Pocket" at HIMSS Fall Technology Conference on Veteran's Day



The Marshfield Clinic Research Foundation (MCRF) was well-represented on Veteran's Day at the Healthcare Information and Management Systems Society (HIMSS) Fall Technology Conference in Milwaukee. Bryan Weichelt (former U.S. Army) and Chris Kadolph (former U.S. Marine Corp) presented a project overview and lessons learned from the Heart Health Mobile development project and their experience participating in the Office of the National Coordinator of Health Information Technology's (ONC) [Million Hearts Risk Check Challenge](#). The [abstract](#) was one of three selected from Marshfield Clinic to present at the conference. Audience members had a number of follow-up questions and showed interest in the future of the mobile app and MCRF's research and development on mobile technologies. The team, led by Simon Lin, MD, and Jeff VanWormer, PhD, was awarded \$105,000 as the winner of the challenge in early 2013 and will be supporting the app until February 1, 2014. The app is available as a web app at HeartHealthMobile.com and as a native iOS app downloadable through the [Apple Store](#).

One theme that Weichelt and Kadolph spoke on at the conference was the concept of 'reuse.' Development projects can be drastically cut in time and effort if code and frameworks are built with reuse and documentation in mind. Heart Health Mobile and other products have the potential to be partially reused for future research or commercial applications.

http://mclweb.mfldclin.org/mcrf/?page=mcrf_updates

BIRC Project Team Assigned to CDC SEALS Software Redesign Project

Biomedical Informatics Research Center (BIRC) will use \$90,000 in funding from Delta Dental of Wisconsin to redesign the current software application for the Centers for Disease Control and Prevention's Sealant Efficiency Assessment for Locals and States (CDC SEALS) program in Wisconsin.

"The new software program BIRC staff will design will make recording, sharing and analyzing data more efficient," said Amit Acharya, BDS, MS, PhD, Dental Informatics Scientist and principal investigator for the project. Dr. Acharya added, "The software used now is just a snapshot in time. We want to create a mechanism for tracking the children in the program from year to year." Dr. Acharya said. "And, we want the data to show that the effort put into this successful program is valuable."

"The Wisconsin Seal-A-Smile program has become one of the most highly recognized and effective sealant programs in the country," said Dr. Frederick Eichmiller, vice president and science officer at Delta Dental of Wisconsin. "We are very fortunate to have a world-class dental informatics team we can call on to build the data management system to serve this program. Wisconsin's Seal-A-Smile program continues to be an excellent example of state, private, and public health collaboration and this project will make it even better."

Please see the complete [SEALS](#) project document for more information. To read more about the Wisconsin Seal-A-Smile program, please visit the following link:

<http://www.chawisconsin.org/documents/PartneringSealASmile2012.pdf>



Seated (L-R): Harshad Hegde, Shawn Halstead & Will Ray
Standing: (L-R): Joe Ellefson, Ryan Frahm, Laurel Verhagen, Dixie Schroeder & Amit Acharya

BIRC Center Administrator Certified in Healthcare Compliance



Lori J. Weigel, MBA, CCRP, CHRC, CHC, Research Administrator for the Biomedical Informatics Research Center, was recently notified that she successfully passed the Healthcare Compliance Association exam to become certified in healthcare compliance. According to HCCA, "an individual Certified in Healthcare Compliance (CHC)[®] is someone with knowledge of relevant regulations and expertise in compliance processes sufficient to assist healthcare industry in understanding and addressing legal obligations, and promote organizational integrity through the operation of effective compliance programs." Weigel is also certified in

healthcare research compliance through HCCA.

Simon Lin, MD, Director of the Biomedical Informatics Research Center stated, "As data and informatics play an increasingly important role in inter-center projects, having the regulatory compliance expertise within BIRC can be a real advantage. I am proud of Lori's accomplishment."

http://mclweb.mfldclin.org/mcrf/?page=mcrf_updates

Dental Informatics Research Specialist Elected to AMIA Dental Working Group



Kelsey Schwei, Research Specialist in the Biomedical Informatics Research Center, has been elected to serve as the Co-Chair Elect for the American Medical Informatics Association's (AMIA) Dental Informatics Working Group.

AMIA Working Groups serve as networks in which current members can exchange information on a particular area of special interest in biomedical and health informatics. Working Groups provide a way for members old and new to collaborate, meet new colleagues and become involved in the development of positions, issues, white papers, programs, and other activities that benefit the informatics community. Each Working Group extends to an online community in which members discuss key issues and developments in the field. Working Groups are open to all AMIA members.

The mission of the Dental Informatics Working Group is to serve as the focus for individuals and organizations with interest or involvement in health informatics with an emphasis on dental informatics. It is important to serve as a means of communication with other healthcare and informatics specialties to better improve all healthcare applications. The group's emphasis is on the sharing of expertise and experiences in the use of dental information systems, computer technology, and communications to improve patient care, research, and education.

“Parent First, Farmer Second” Radio Ads Win National Honors

The National Farm Medicine Center and agency broadhead received the 2013 Plambeck Award, Best Series, for their campaign, "You're a Parent First, Farmer Second." The announcement was made Nov. 14 at the National Association of Farm Broadcasters' (NAFB) meeting in Kansas City.



The goal of the “Parent First, Farmer Second” radio series is to demonstrate the passion and hard work that goes into being a farmer, but ultimately reminds others that the most important job label is being a parent. The public service ads are part of the Cultivate Safety project (funded by the National Children’s Center for Rural and Agricultural Health and Safety) and can be heard at www.cultivatesafety.org. The ads encourage farmers to put their children’s safety first.

The Plambeck Awards for Creative Excellence are given for the best single radio commercial and the best radio commercial series that run on NAFB stations, with the goal of promoting and recognizing commercials that inform, influence, and motivate the target audience.

Representatives from CDC's Influenza Division Visit MCRF



Representatives from the Influenza Division at the Centers for Disease Control and Prevention (CDC) visited Marshfield Clinic Research Foundation (MCRF) Nov. 21-22 for a series of scientific discussions, as part of Marshfield Clinic's role in the U.S. Flu Network.

The U. S. Flu Network is a CDC-funded collaboration that measures the effectiveness of the influenza vaccine every winter season. Marshfield Clinic is one of five sites that make up the Network; others include Group Health Cooperative (Seattle, WA), University of Michigan (Ann Arbor and Detroit, MI), University of Pittsburgh, and Scott and White Healthcare (Temple, TX). Marshfield Clinic is the longest-participating site in the Network, with annual vaccine effectiveness studies since the 2004-05 influenza season. The study is conducted by the Epidemiology Research Center, and influenza testing is performed by the MCRF Core Laboratory.

In addition to providing vaccine effectiveness estimates, Research Foundation staff have assisted the CDC in answering a series of related research questions. These questions include studies of the immune response to influenza vaccine in older adults and young children, and genetic factors associated with severe influenza infection. Marshfield Clinic Research Foundation staff also has worked with the CDC and colleagues at the University of Wisconsin-Madison to study virus evolution and characteristics of circulating influenza viruses.

Each winter, MCRF research coordinators screen thousands of patients for eligibility. During the 2012-13 flu season, more than 4,600 patients were screened and over 1,500 enrolled.

"Every year, this study requires a large multidisciplinary team working together to be ready for a flu season that could begin at any time," said Ed Belongia, MD, who is the local principal investigator for the study. "This is a complex and intense study that succeeds thanks to our highly skilled and dedicated research team, including our research coordinators, interviewers, epidemiologists, programmers and Core Lab staff."

NFMC Director Selected to Work on President's Malaria Initiative



The President's Malaria Initiative (PMI), credited with dramatic reductions in child mortality in sub-Saharan Africa, has selected the director of the National Farm Medicine Center to design a program that monitors its pesticide applicators for over-exposure to those chemicals.

Matthew Keifer, MD, MPH, will advise the PMI on how to monitor, what tools to use, how to train the people running the program, and how to use the information gathered from the monitoring program.

Dr. Keifer has worked on or designed similar monitoring programs in Washington state and Nicaragua. Prior to joining the NFMC in 2010, Dr. Keifer was co-director of the Pacific Northwest Agricultural Safety and Health Center, directing numerous community-based research projects focusing on farm worker health and pesticides.

"The PMI protects millions of people from one of the world's most deadly diseases," Dr. Keifer said. "However, the people who do the day-to-day work of controlling the mosquito vectors which transmit malaria also need protection. The chemicals they use can make them sick, but if we monitor them closely, we can keep them healthy and on the job, saving lives."

The key to the program will be to monitor blood levels of the enzyme cholinesterase in applicators. Cholinesterase is needed for proper functioning of the nervous systems of humans, animals, and insects. Certain chemical classes of pesticides, such as organophosphates (OPs) and carbamates (CMs) work against undesirable insects by interfering with, or "inhibiting," cholinesterase. While the effects of cholinesterase-inhibiting chemicals are intended for insects, these products can also be toxic to humans.

When human cholinesterase levels are low because of excessive inhibition from pesticides, the nervous system can malfunction, producing pesticide-poisoning symptoms such as fatigue, lightheadedness, nausea, vomiting, headaches, and seizures. If levels get low enough, subsequent exposure to OP insecticides can result in death.

The purpose of regular monitoring of cholinesterase levels is to alert the exposed person to any change in the level of this essential enzyme before it can cause serious illness. Ideally, a pre-exposure baseline cholinesterase value should be established for any individual before they come in regular contact with organophosphates and carbamates. Fortunately, the breakdown of cholinesterase can be reversed and cholinesterase levels will return to normal if pesticide exposure is stopped.

Launched in 2005, the President's Malaria Initiative is an expansion of U.S. Government resources to reduce the burden of malaria and help relieve poverty on the African continent. PMI is an interagency initiative led by the [U.S. Agency for International Development \(USAID\)](#) and implemented together with the [U.S. Centers for Disease Control and Prevention \(CDC\) of the U.S. Department of Health and Human Services \(HHS\)](#).

More than 30 million Africans are protected from malaria year as the result of PMI-supported indoor spraying.

ICTR 2014 Funding Announcements

[ICTR Novel Therapeutics Discovery & Development Pilot Awards Program](#) – New RFA provides support for discovery and development of new small molecules, biologics, devices, and diagnostics. Contact/Liaison – Peggy Hatfield (pmhatfie@wisc.edu, 608-261-1939)

[Basic & Clinical Research Pilot Awards Program](#) – Applications that address basic discovery activities (biological, social, behavioral mechanisms that underlie disease); development of biomarkers; preclinical and animal models; proof-of-concept studies; translation of discovery to patients (new diagnostic, treatment, and prevention methods; Phase 1, 2, and 3 clinical trials). Contact/Liaison – Peggy Hatfield (pmhatfie@wisc.edu, 608-261-1939)

[Community and Clinical Outcomes Research Pilot Awards Program](#) (Formerly known as the Type 2 Translational Research Pilot Awards Program) – Research that addresses the gap between what we know and what we do in clinical practice, community health programs, and the development of health policy. This includes the development of interventions that require individual, organizational, or system behavior change and their relationship to improvements in health, and comparative effectiveness research. Contact/Liaison – Andrea Dearlove (adearlove@wisc.edu, 608-262-7125)

[Dissemination & Implementation Research Awards Program](#) – Provides support for research that addresses how to best ensure evidence-based strategies/interventions/programs are effectively delivered in clinical practice and community health programs. Contact/Liaison – Andrea Dearlove (adearlove@wisc.edu, 608-262-7125)

[Patient-Centered Outcomes Research Award Program](#) – ICTR is supplying this funding opportunity for investigators interested in patient-centered outcomes research. These awards will be used to support a grant application to the Patient-Centered Outcomes Research Institute (www.pcori.org) through development of strong stakeholder engagement strategy in one of four areas: (1) Assessment of Prevention, Diagnosis, and Treatment Options; (2) Improving Health Care Systems; (3) Addressing Disparities, (4) Communication & Dissemination Research, (5) Accelerating Patient-Centered Outcomes Research and Methodological Research. Contact/Liaison: Andrea Dearlove (adearlove@wisc.edu, 608-262-7125)

[2014 TL1 Training Program RFA](#) – The ICTR Pre-doctoral Training (TL1) Program is accepting applications for positions to begin September 2014. Benefits include a full NIH stipend, tuition, fees, and travel funds. Candidates must be pursuing the PhD or PhD minor in Clinical Investigation. TL1 awards are intended to support the initial years of PhD studies for full-time students (non-dissertator status). Candidates may apply for 1 or 2 years on the award. The TL1 Program is a mentored research training program intended to train doctoral students interested in clinical and translational research. Contact/Liaison – Sally Wedde (sewedde@wisc.edu, or 608-262-3768)

In Addition:

- Dr. Amy MacDonald will be presenting on Self Awareness on Monday, December 9, 2013, at 9AM in the Froehlke Auditorium, with extra seating in the Erdman Lobby.
- The next full Foundation meeting will be on Thursday, January 23, 2014, at 10AM in the Froehlke Auditorium. Please email any questions confidentially to Jeanette Normington.
- The next Board of Trustees meeting will be held on Thursday, January 30, 2014 at 6PM in the Laird 50 conference room.
- For the latest issue of the UW-Madison newsletter, *ICTR Today*, please click here: <https://ictr.wisc.edu/Newsletters>. The next issue will feature Community Engagement and Research.
- Follow up on Advanced Short Course – over 25 UW faculty members are involved in the presentations; therefore, unfortunately, it will not be possible to hold the course in Marshfield.
- *Research Matters* is always accepting announcements. Your contributions are greatly appreciated.

Contributors to this issue: Bobbi Bradley, Dr. Richard Dart, Scott Heiberger, Jolene Knetter, Pete Schmeling, Dr. Anna Schotthoefer, Dixie Schroeder, Rikki Starich, Lori Weigel, Dr. Steve Ziemba

Edited by: Alexis Tavano, MPH, tavano.alexis@mcrf.mfldclin.edu, ext. 1-8939.