Cardiovascular Center to Fund More than $1 Million in Research Awards to Promote Team Science

In mid-February, the Cardiovascular Center (CVC) released a research funding announcement with a portfolio of funding opportunities totaling more than $1 million. These funding opportunities are in direct response to recommendations from the CVC’s External Scientific Advisory Board (ESAB), feedback from the CVC’s Internal Scientific Advisory Board (ISAB), institutional leadership, and from CVC members during recent Town Hall Meetings and informal discussions. These exciting funding opportunities are made possible by the CVC’s parent award from the Advancing a Healthier Wisconsin Endowment Research and Education Program (AHW-REP), philanthropic contributions to the CVC, collaborative efforts with MCW’s Cancer Center, and the Dean’s institutional funds.

The CVC is pleased to offer funding to CVC members for multiple “Signature Program Pre-PPG” awards including two “Pre-PPG Awards” with an emphasis on Cardio-Oncology in collaboration with the MCW Cancer Center. The primary goal of the Pre-PPG awards is to elevate Signature Programs to the next medal level (from Bronze to Silver or Silver to Gold) by investing in team science that will produce program project grants or similar extramural awards. This new programmatic focus is a priority for the CVC as it shifts from the exclusive support of smaller pilot grants awarded to individual principal investigators. Notwithstanding, the CVC is offering two pilot grants, which are supported by the Dr. Michael Keelan, Jr., MD, Research Foundation, for eligible junior or mid-career investigators without current R01-equivalent funding. The Center especially encourages applications from clinical faculty for this funding mechanism.

Detailed application materials will be distributed soon, and the application deadline is May 1, 2017.

From the Cardiovascular Center Board Chair

The Cardiovascular Center’s (CVC) mission is to improve cardiovascular health in southeast Wisconsin and beyond, focusing on four pillars of strength: cutting-edge research to improve treatment; patient care of the highest quality; rigorous training of the next generation of cardiovascular scientists; and community engagement to eliminate disparities in health outcomes. The CVC has four signature programs that support this mission and that serve as a means to bring our most talented junior and established investigators together in support of team science, new multi-investigator initiatives, and collaboration on investigator-initiated trials. We fully anticipate new intellectual property will develop out of this collaboration. These four programs are Atherosclerosis, Thrombosis & Vascular Biology; Cardiac Biology & Heart Failure; Precision Cardiovascular Medicine; and Hypertension.

As the CVC enters its 25th year at the Medical College of Wisconsin, I am excited to share some of our strengths. The CVC has more than 115 researchers and doctors performing more than 350 research projects. Last year, CVC members delivered more than 340 publications and mentored more than 50 students. The Medical College of Wisconsin is ranked in the top 12 of institutions nationwide in receiving federal dollars for cardiovascular research. We are very proud how the CVC has grown in its 25 years, and look forward to celebrating many more achievements this year, and beyond.

-Bruce Smith
Andreas Beyer, PhD,
One of Top Three Reviewers, Journal of the American Heart Association

Feb. 10, 2017 MCW News - Andreas Beyer, PhD, an investigator in the CVC, earned recognition as one of the top 3 reviewers in 2016 of the prestigious cardiovascular academic journal, Journal of the American Heart Association. The Journal of the American Heart Association has an impact factor of 5.117 and published scholarly articles in 12 compiled issues per year targeting healthcare professionals interested and involved with cardiovascular and cerebrovascular diseases, vascular and endovascular medicine, pediatric cardiology, and neurology.

Jeanne M. James, MD,
Appointed Division Chief of Cardiology in the Department of Pediatrics

Oct. 7, 2016 MCW News - The Medical College is pleased to announce the appointment of Jeanne M. James, MD, as Professor in the Department of Pediatrics and Chief of the Division of Cardiology. Dr. James will serve at Children’s Hospital of Wisconsin as Leigh Gabrielle Herma Endowed Chair for Cardiology and Medical Director of Pediatric Cardiology. She will also be serving on the Cardiovascular Center’s Internal Scientific Advisory Board (ISAB).

Dr. James focuses on translational research with special interests in cardiac muscle disease, cardiovascular genetics, and echocardiography. She has widely published both her laboratory-based and clinical research findings, and she has been consistently funded by the NIH for more than 20 years. The CVC is honored to have her serve as an ISAB member.

MCW Researcher in Department of Anesthesiology Wins First Place at International Symposium

Feb. 8, 2017 MCW News - Zhi-Dong Ge, MD, PhD, won the Oral Presentation of Interesting and Complex Cases at the 35th Annual International Symposium of Clinical Updates in Anesthesiology, Surgery and Perioperative Medicine. More than 150 people from 16 countries participated in the event’s lectures, workshops, special lectures and discussions. Ge won the award with his presentation titled “Cardiomyocyte-specific overexpression of human GTP cyclohydrolase 1 gene protects against cardiac remodeling and dysfunction after myocardial infarction in mice.”

This is the second year in a row that Ge’s presentation received an award at the Symposium—his entry won second place at the 2016 event in San Juan, Puerto Rico.

“Dr Ge is one of the hardest-working scientists,” said Dr. Zeljko Bosnjak, Professor of Anesthesiology and Physiology. “He played a crucial role in identifying a signaling cascade involved in cardioprotection by volatile anesthetics against ischemia and reperfusion injury. In seminal investigations, Dr. Ge provided direct evidence that this cardioprotective pathway is diminished or absent in diabetic hearts, along with the possibility to reverse this dysfunction by specific gene upregulation.”

Ge received his medical degree and his Master of Science in Pharmacology at Anhui Medical College in Hefei, China. He was awarded a PhD in Cardiovascular Science at the University of Hong Kong. Ge has been with the Medical College of Wisconsin since 2000, receiving postdoctoral fellowship training in the Department of Pharmacology and Toxicology and the Cardiovascular Center, followed by roles in both education and research. He is currently a senior research scientist for the Department of Anesthesiology.
Recent Collaborative Member Publications

Beyer, AM; Zinkevich, N; Miller, B; Liu, Y; Wittenburg, AL; Mitchell, M; Galdieri, R; Sorokin, A; Gutterman, DD. Transition in the Mechanism of Flow-Mediated Dilation with Aging and Development of Coronary Artery Disease. BASIC RESEARCH IN CARDIOLOGY, 112 (1):10.1007/s00395-016-0594-x JAN 2017

Fisher, JB; Horst, A; Wan, T; Kim, MS; Auchampach, J; Lough, J. Depletion of Tip60 from In Vivo Cardiomyocytes Increases Myocyte Density, Followed by Cardiac Dysfunction, Myocyte Fallout and Lethality. PLOS ONE, 11 (10):10.1371/journal.pone.0164855 OCT 2016


Lertkiatmongkol, P; Paddock, C; Newman, DK; Zhu, JQ; Thomas, MJ; Newman, PJ. The Role of Sialylated Glycans in Human Platelet Endothelial Cell Adhesion Molecule 1 (PECAM-1)-mediated Trans Homophilic Interactions and Endothelial Cell Barrier Function. JOURNAL OF BIOLOGICAL CHEMISTRY, 291 (50):26216-26225; 10.1074/jbc.M116.756502 JAN 2017

Pannala, VR; Camara, AKS; Dash, RK. Modeling the Detailed Kinetics of Mitochondrial Cytochrome C Oxidase: Catalytic Mechanism and Nitric Oxide Inhibition. JOURNAL OF APPLIED PHYSIOLOGY, 121 (5):1196-1207; 10.1152/japplphysiol.00524.2016 NOV 2016

Sedlic, F; Muravyeva, MY; Sepac, A; Sedlic, M; Williams, AM; Yang, MY; Bai, XW; Bosnjak, ZJ. Targeted Modification of Mitochondrial ROS Production Converts High Glucose-Induced Cytotoxicity to Cytoprotection: Effects on Anesthetic Preconditioning. JOURNAL OF CELLULAR PHYSIOLOGY, 232 (1):216-224; 10.1002/jcp.25413 JAN 2017

Kaul, S; Xu, H; Zabalawi, M; Maruko, E; Fulp, BE; Bluehm, T; Brzoza-Lewis, KL; Gerelus, M; Weerasekera, R; Kallinger, R; James, R; Zhang, Y; Thomas, MJ; Sorci-Thomas, MG. Lipid-Free Apolipoprotein A-I Reduces Progression of Atherosclerosis by Mobilizing Microdomain Cholesterol and Attenuating the Number of CD131 Expressing Cells: Monitoring Cholesterol Homeostasis Using the Cellular Ester to Total Cholesterol Ratio. JOURNAL OF THE AMERICAN HEART ASSOCIATION, 5 (11):10.1161/JAHA.116.004401 NOV 2016

Tomita-Mitchell, A; Stamm, KD; Mahnke, DK; Kim, MS; Hidestrand, PM; Liang, HL; Goetsch, MA; Hidestrand, M; Simpson, P; Pelach, AN; Tweddell, JS; Benson, DW; Lough, JW; Mitchell, ME. Impact of MYH6 variants in hypoplastic left heart syndrome. PHYSIOLOGICAL GENOMICS, 48 (12):912-921; 10.1152/physiogenomics.00091.2016 DEC 2016

Want to see your publications here?
Email your in-press or published citations to cvc@mcw.edu.

*CVC faculty members in bold
MCW Student Receives Grant to Investigate Stem Cell Treatments for Cardiovascular Diseases

Jan. 5, 2017 MCW News - The Medical College of Wisconsin has received a four-year, $188,000 grant from the National Institutes of Health’s National Heart, Lung, and Blood Institute to investigate adult stem cell treatments for cardiovascular diseases.

Eric Exner, BS, a student in MCW’s Medical Scientist Training Program (MTSP), is the principal investigator of the grant. MTSP is an eight-year program allowing students to earn both an MD and a PhD. Students in the MSTP complete the first two years of medical school, then turn their attention to research by earning a PhD, and finally, complete clinical rotations to earn an MD.

In the study, researchers will investigate endothelial progenitor cells (EPCs) within a hypertension model to analyze the cellular dysfunction processes. Furthermore, the study will determine if the injection of a particular type of hormone restores EPC function within the model. Ultimately, the research will provide a better understanding of how EPCs can be utilized in the future for treatment of disease.

Mr. Exner is a predoctoral student in the laboratory of CVC member, Andrew Greene, PhD.

CVC Submits Postdoctoral T32 Grant Application to NHLBI

In late January, the Cardiovascular Center resubmitted a postdoctoral T32 grant application to the National Institutes of Health National Heart, Lung, and Blood Institute entitled, “Training in Signature Transdisciplinary Cardiovascular Sciences” (PIs: Benjamin and Gutterman).

If funded, this T32 program would be one of only six postdoctoral T32 training programs on the Milwaukee Medical Regional Campus.

The application proposes a three-year training program for postdoctoral fellows with an MD, PhD, PharmD, or DO degree (two new slots/year). Forty-one basic scientists and translational investigators will serve as mentors in a program that is supported by specific areas of scientific excellence (“Signature Programs”), a highly-integrated collaborative research environment, and access to an extensive research infrastructure. This three-year training commitment emphasizes critical components designed to launch/sustain research careers: 1) individualized development plans (IDPs), 2) personalized multidisciplinary mentoring teams, 3) training in core competencies, and 4) industry/biotechnology or scientific liaison career options for trainees not pursuing a traditional career in academia. Overall, the ultimate goal of this training program is to train the next generation of cardiovascular scientists, including underrepresented minorities, by incorporating broad-based, personalized, supportive, and rigorous training opportunities.

Save the Date & RSVP for the 2017 CVC Research Retreat

Friday, April 21, 2017
Harley-Davidson Museum—Rumble Room
8:00am-5:00pm

“Get Ready to Negotiate!”
Joanne M. Lipo Zovic, JD
Adjunct Professor of Law
Marquette University Law School &
University of Wisconsin-Milwaukee

“The Multifaceted Roles of Adipose Tissue: Therapeutic Targets for Diabetes and Beyond”
Philipp E. Scherer, PhD
Professor of Internal Medicine
Director, Touchstone Diabetes Center
The University of Texas Southwestern Medical Center

Also featuring graduate student and postdoctoral fellow poster competition and travel awards, postdoc and student rapid-fire talks, signature program talks, and networking. Breakfast, lunch, and beverages provided.

Registration Required! Visit the CVC Website to register:
http://www.mcw.edu/Cardiovascular-Center/Research-Retreat.htm
A. O. Smith Postdoctoral Fellowship in Cardiovascular Sciences

A two-year A. O. Smith Postdoctoral Fellowship (with the possibility of a third year of support) is available in the Medical College of Wisconsin Cardiovascular Center, Milwaukee, Wisconsin, in one of four major areas of research:

- Atherosclerosis, Thrombosis & Vascular Biology
- Cardiac Biology & Heart Failure
- Hypertension
- Precision Cardiovascular Medicine

The A. O. Smith postdoctoral fellow will receive personalized training within multidisciplinary mentoring teams led by exceptional faculty mentors. Fellows will create and follow an individualized development plan (IDP), conduct research studies, attend required courses/seminars, write grants, publish manuscripts, present oral presentations locally and nationally, and learn other skills necessary for a successful career in cardiovascular research or a closely-related field. Clinical scholars will have protected time for research. Per NIH guidelines, the postdoctoral fellow must be a U.S. citizen or permanent resident.

Applicants should be highly-motivated, ambitious, productive, and have (or anticipate having) a PhD, PharmD, MD, or DO in a relevant research area such as biology, molecular biology, genetics, immunology, biochemistry, pharmacology, or physiology with a strong track record of, and a keen interest in, at least one of the five research areas. Stipends begin at $50,000 (stipends determined by years of experience).

TO APPLY: Interested applicants should apply online through MCW Human Resources ONLY (Requisition ID: 20965; www.mcw.edu/Human-Resources.htm). Submit copies of your:
- curriculum vitae and contact information for 3 references
- statement of research interests, including preference for 1 of the 5 major research areas
- and mention of where you learned about the fellowship.

For questions specific to the fellowship, contact Allison DeVan, PhD, adevan@mcw.edu.
For more info & list of mentors, visit our Facebook page at http://tinyurl.com/CVCpostdoc

The Cardiovascular Center (CVC) is directed by Ivor Benjamin, MD. Last year, members of the CVC published more than 340 scientific articles in peer-reviewed journals, were awarded more than $43.5 million in total funding, with $21.3 million being funded by NHLBI, and mentored more than 50 trainees. The mission of the CVC is to improve cardiovascular health in Southeast Wisconsin and beyond through cutting-edge research, cost-efficient and high-quality healthcare delivery, rigorous training of the next generation of cardiovascular scientists, and engaging the community to eliminate disparities in health outcomes.
CVC Member Highlighted in MCW’s Change Agent Column

Feb 1, 2017 MCW News - Tom P. Aufderheide, MD, Professor of Emergency Medicine, Associate Chair of Research Affairs and Director of the NIH-funded Resuscitation Research Center at MCW, and CVC member, was highlighted in MCW’s Change Agent column. Dr. Aufderheide is an internationally recognized researcher in the field of emergency cardiac care and resuscitation. He has acted as principal investigator on automated external defibrillation (AED) research studies that have doubled survival rates for out-of-hospital cardiac arrest. Continuously supported by the NIH for more than 20 years, his research has greatly impacted care of cardiac emergencies.

When asked what he still hopes to accomplish over his career, he responded, “I am participating in the discovery of several simple techniques that profoundly reduce ischemia-reperfusion injury in an animal model of prolonged cardiac arrest, thereby significantly improving neurologically intact survival. I hope to translate the application of these potentially life-saving techniques to humans.” As far as his legacy at MCW, “My MCW legacy will be the successful discovery of new interventions that improve emergency cardiac care clinical practice, patient survival, and quality of life through multi-disciplinary translational research.”

Healthy Non-Athletes, Ages 18-40

Researchers from the Medical College of Wisconsin are performing a clinical research study on the effects of exercise on the heart and blood vessels. Males and females are both invited to participate and must be 18-40 years old, have a body mass index of <30 and not regularly exercise. Three visits (a screening visit and two study visits) to Froedtert Hospital are required.

Each subject will undergo one blood draw and two fat biopsies. Half of the subjects will also take part in two ultrasound exams and two weight-lifting sessions. All subjects will take lipoic acid, an over-the-counter dietary supplement, for approximately 5 weeks.

Subjects will be compensated $50 for each ultrasound exam, $75 for the first tissue biopsy, and $100 for the second tissue biopsy.

Interested? Contact Andy Kadlec: 955-7548 or akadlec@mcw.edu

Body Mass Index of 28.0-44.9, Ages 18-50

Researchers from the Medical College of Wisconsin and University Wisconsin-Milwaukee are performing a clinical research study assessing workplace interventions to reduce sedentary behavior in obese MCW office workers. Males and females are both encouraged to participate and must be obese (Body Mass Index or BMI of 28.0 - 44.9) and between the ages of 18-50.

Four 1-2 hour visits to the MCW Adult TRU (Froedtert Pavilion Building) for study visits, ultrasound of your arm or leg, blood tests, accelerometer activity assessments, and use of a sit-stand desk will be required. Compensation is $150 for this 27-week study.

Interested? Contact Jacquelyn Kulinski, MD, 414-955-6896 or jakulinski@mcw.edu.

Note: In order to be a qualified participant, MCW employees must meet the requirements under the Participation as Research Subjects Corporate Policy.
CVC Investigator, Nicole Lohr, MD, PhD, Discusses the Treatment of Hypertension at CTSI Science Café

Jan 31, 2017 - Through the Clinical & Translational Science Institute (CTSI), Dr. Lohr discussed building academic-community linkages for the treatment of hypertension with members of the Milwaukee community. The event was hosted by the St. Ann Center for Intergenerational Care. After the presentation, community members were able to be a part of the conversation and discuss concerns, ask questions, and learn about current recommendations for the treatment of hypertension.

MCW Community Engagement Week: Cardiovascular-Focused Day is Monday, April 17th

The 3rd annual MCW Community Engagement Week, Elevating Community Voices in Health, is taking place from Monday April 17th to Friday April 21st, with the Cardiovascular Center sponsoring seminars related to cardiovascular disease on Monday, April 17th, at the Body & Soul Healing Arts Center. Follow the link below to find out more about the week’s events and to register.

Website link: http://www.mcw.edu/Community-Engagement/Community-Engagement-Week.htm

CVC Member Jeffrey Whittle, MD, MPH, Speaks to Community on the Best Approaches to the Treatment of Diabetes

Feb 28, 2017 - Dr. Jeffrey Whittle, Professor of Medicine and Staff Physician at the Clement J. Zablocki VA Medical Center, discussed diabetes, recent important research results in the field, including some from the Medical College of Wisconsin researchers. He spoke with community members about how these results could be used to help themselves as well as family members. Dr. Whittle listened and responded to questions regarding managing medications, diet, and exercise.

This event was also hosted by the Clinical & Translational Science Institute at the St. Ann Center for Intergenerational Care.
21st Annual Steve Cullen Healthy Heart Club Run & Walk Raises Over $40,000!

The 21st Annual Steve Cullen Healthy Heart Club Run/Walk was held on Saturday, February 11, 2017. Approximately 700 runners, walkers, and volunteers took part in the Run/Walk, taking advantage of near record temperatures at a balmy 45 degrees. The warmest day of the Run was actually in 1998 at 54 degrees. At the start of the race, the Froedtert and Medical College of Wisconsin Flight for Life team conducted a flyover to salute all runners and walkers from the sky.

The Cullen Run/Walk was established in memory of former Milwaukee Alderman, Steve Cullen who died from a sudden heart attack at age 40. All proceeds from the event benefit the Medical College of Wisconsin Cardiovascular Center, which, to date, has donated more than $443,000 to heart disease research and education. This support, including the third Steve Cullen Healthy Heart Scholar competitive award, will help our researchers further their understanding of how the cardiovascular system functions and advance promising new treatments and potential cures for cardiovascular disease.

The CVC thanks and congratulates board member Gael Cullen, her family, and the Badgerland Striders for executing another successful event!

Save the date for the 22nd Annual Run on February 10, 2018!

Thank you to everyone who participated!

Medical Student Summer Research Program
Cullen Family to Support Two Medical Students for the Summer of 2017

The Medical Student Summer Research Program (MSSRP), directed by CVC faculty member, David Harder, PhD, is a full-time summer fellowship program awarded competitively to MCW medical students who wish to gain valuable research experience between their first and second years of medical school. Students actively participate on a research team supervised by MCW faculty, and gain opportunities to observe how new discoveries translate into the development of new drugs, devices and treatment modalities and to explore research and potential research careers. Publishing and presenting are two program goals.

For the summer of 2017, the Cardiovascular Center is extremely pleased that the Cullen Family Healthy Heart Research Program is funding two students from the 2016 proceeds of the Steve Cullen Healthy Heart Run/Walk, as this directly ties into our mission of training the next generation of cardiovascular scientists.
Akiko Mammoto, MD, PhD  
Assistant Professor,  
Department of Pediatrics  
Division of Neonatology

Her research interests include how blood vessels control organ morphogenesis and how deregulation of angiogenesis contributes to various diseases. She especially seeks to understand the mechanism of angiogenesis in lung development, regeneration, and pathology. She focuses on Wnt signaling and the related mechanosensitive transcription factors to explore the mechanism by which angiogenesis controls lung development and regeneration using various transgenic animals and the lung hydrogel implantation system.

Tadanori Mammoto, MD, PhD  
Assistant Professor,  
Department of Radiology  
Division of Imaging Sciences

Dr. Mammato’s research focuses on how blood vessels regulate adult lung homeostasis and regeneration. He’s also interested in how deregulated blood vessels contribute to pathogenesis of various lung diseases.

Arshak Alexanian, VMD, PhD  
Adjunct Associate Professor  
Department of Medicine,  
Division of Nephrology

His research interests include the generation of cardiomyocytes from human adult bone marrow- and adipocyte-derived MSCs using a small molecule approach (i.e., chemical genetics approach or chemical approach) as well as in vitro and in vivo (after transplantation) characterization of these chemically-induced cardiomyocytes.

Learn more about Dr. Mammato’s research at his CVC Seminar on March 29th!
New Cardiovascular Center Staff

<table>
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<th>Militza Bonet-Vazquez, MPH</th>
<th>Erin Theriault, MS</th>
<th>Tatjana Chenoweth</th>
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<td>Community Engagement</td>
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<td>Director</td>
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<td>Liaison</td>
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Militza manages the CVC’s Community Engaged Research Initiative, partnerships for collaborative research, associated projects related to development and implementation and acts as a liaison to the MCW Community Engagement Core, the CVC, and community organizations.

She has extensive experience with the impact of social and environmental factors on health, particularly relating to underserved and vulnerable populations. She has 10 years of experience working in academic/community-engaged research development, implementation and evaluation, and ensuring the quality of collaboratively established Community-Engaged Research (CEnR) protocols.

Militza holds a B.S. in Biology from Inter American University - San Juan, PR, and a MPH in Health Promotion and Diseases Prevention from University of Missouri - Columbia.

Erin is supporting the CVC’s operations, community engagement activities, outreach, and trainee enrichment initiatives.

Erin has 14 years of experience in the clinical setting, as well as in community outreach and education. In her role as an exercise physiologist in Cardiac Rehabilitation, she worked closely with patients developing exercise prescriptions based on individual co-morbidities, one-on-one risk factor counseling, and educating patients on lifestyle modification.

Erin also performed and interpreted cardiopulmonary VO2 tests on pre-transplant patients. She has experience as a community educator as well, speaking on such topics as stress management, peripheral vascular disease, and cardiovascular disease.

Erin holds a B.S. in Exercise Sport Science and a M.S. in Clinical Exercise Physiology from the University of Wisconsin - La Crosse.

Tatjana has joined our team as the Major Gifts Fundraising Director for the Cardiovascular Center.

Tatjana comes to FH/MCW with nearly 20 years of fundraising experience from major gifts to organizational management. Her background includes higher education, healthcare and community organizations. She joins us from the College of Health and Human Performance at the University of Florida.

She received her BS in Therapeutic Recreation at Texas Women’s University and her MBA from the Crummer Graduate School of Business. She has served as a mentor to her fellow colleagues at the University of Florida and the Central Florida community.
## Cardiovascular Center Seminar Series

<table>
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<tr>
<td>March 29</td>
<td>Tadanori Mammoto, MD, PhD</td>
<td>MCW</td>
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<td>April 5</td>
<td>Paul Brooks, MD</td>
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<td>April 19</td>
<td>Lynn Hedrick, PhD</td>
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<td>May 17</td>
<td>Elizabeth Murphy, PhD</td>
<td>NIH/NHLBI</td>
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<tr>
<td>May 24</td>
<td>Merry Lindsey, PhD</td>
<td>University of Mississippi Medical Center</td>
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| June 7     | CVC Community Engagement Lunch & Learn:  
What is Community Engagement? |
| June 14    | Paul Schumacker, PhD          | Northwestern University Medical Center     |
| June 21    | CVC Community Engagement Lunch & Learn:  
Principles & Local Examples of CEnR |
| June 28    | CVC Community Engagement Lunch & Learn:  
How to Engage Communities (from CVC & Community Perspectives) |

## Cardiovascular Center Events

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<tr>
<th>Date</th>
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| April 17, 2017 | Community Engagement Week 2017  
CV Focus: Neighborhood & Built Environment |
                        | Body and Soul Healing Arts Center             | 3617 N. 48th St, Milwaukee, WI 53216           |
| April 21, 2017 | Cardiovascular Center Research Retreat        | Harley Davidson Museum                        | RSVP Required                                  |
| June 10, 2017 | Have a Heart Motorcycle Ride                  | Suburban Motors Harley Davidson               | Thiensville                                    |
| August 21, 2017 | Cardiovascular Center Golf Challenge           | Wisconsin Country Club                        |                                                |

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You can now follow the Cardiovascular Center on Facebook!  
Medical College of Wisconsin Cardiovascular Center  
Stay up to date on what's happening in the CVC, in the Medical College, and in the News!

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A special “thank you” to everyone who provided suggestions and feedback for our Spring 2017 seminar speakers!
**MCW Cardiovascular Center**

Health Research Center (HRC) 4th Floor
Medical College of Wisconsin
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Milwaukee, WI 53226
Phone: 414-955-5611
Fax: 414-955-6515
Email: CVC@mcw.edu

**Vision**

The Cardiovascular Center at Froedtert Hospital & the Medical College of Wisconsin aims to become the premier integrated basic and translational academic organization in the United States.

**Mission**

To improve cardiovascular health in Southeast Wisconsin and beyond through cutting-edge research, cost-efficient and high-quality healthcare delivery, rigorous training of the next generation of cardiovascular scientists, and engaging the community to eliminate disparities in health outcomes.

**Credits**

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MEDICAL COLLEGE OF WISCONSIN’S CARDIOVASCULAR CENTER