



CENTER FOR CLINICAL AND TRANSLATIONAL SCIENCE

April 2017 Volume 3, Issue 4

NEWS

REGISTRATION IS NOW OPEN!

Registration is now open for the **UMass Center for Clinical and Translational Science 7th Annual Research Retreat**. The Retreat features a full-day of programs comprised of keynote address, [concurrent mini symposia](#), and [poster session](#) from researchers, clinicians, nurses, other professionals, and students from across the 5-UMass campuses, UMass Memorial Medical Center, Baystate Medical Center, community engagement agencies, and other educational institutions. Attendees will have the opportunity for audience participation, networking and collaboration.



Don't miss out on this exciting educational opportunity!

[Register Now](#)



Keynote Presentation:

New Poverty-Related Neglected Diseases ('The NTDs')

New 21st century forces are shaping the emergence of a new set of vector borne and zoonotic neglected tropical diseases. In addition to climate change, urbanization, human migrations and conflict, a new global shift in poverty known as 'blue marble health' has revealed that paradoxically most of the world's NTDs now occur among the G20 countries. Unfortunately, we lack the financial innovation to advance new technologies for these diseases, in addition to a rising tide of anti-science sentiments that include a vigorous anti-vaccine movement.

We are pleased to introduce our keynote speaker, **Peter Hotez, MD, PhD, FASTMH, FAAP**, Dean, National School of Tropical Medicine, Baylor College of Medicine, Houston, TX. We welcome him to the University of Massachusetts Medical School.

[Read More](#)

As I See It: How Medical Research Benefited Me, and Society

By Frederick E. Jenoure, Jr.

In hindsight, I refer to it as the 'death spiral'. After playing Division I basketball in college, the subsequent years saw my weight jump from 195 to 330 pounds. I developed Type 2 Diabetes; my blood pressure and cholesterol reached dangerous levels and improving my health seemed out of

reach despite the fact I was motivated to get healthy for my two young children and wonderful wife.

Help, for me, came in the form of enrolling in a weight loss research study at UMass Medical School, which included discussions about diet; a workout regimen; and blood pressure and body mass index monitoring. Connecting with health researchers made all the difference; I credit my participation in this research study with saving my life. I lost 125 pounds, stopped taking diabetes medication and left the study with the tools to fight this lifelong battle.

Read the complete story at telegram.com

Frederick E. Jenoure, Jr. of Worcester, is community investigator for the Science Participation Research Center (SPRC) and co-chair of the Community Advisory Board of SPRC, both of UMass Medical School, and also serves as program director of Mosaic Inc. of Worcester. He previously had been director of operations and then senior associate to the president of the University of Hartford.

[Science Participation Research Center](#) (SPRC) has a [Volunteer Registry](#) where people can review and volunteer for research studies.

DID YOU KNOW?

Congratulations to our Awardees!

2017 Pre- Post-Doctoral Fellowship Training Program and the IND Enabling Funding Launch Award

In early 2017, the UMass Center for Clinical and Translational Science sent out a call for applications for the **Pre- and Post-Doctoral Fellowship (TL1) Training Program**. Under the leadership of Drs. Silvia Corvera and Kate Lapane, the TL1 Training Program will engage pre- and post-doctoral fellows in training across the entire translational spectrum (T0-T4) providing trainees with strong mentoring teams, rigorous academic training and technical skills necessary to ensure success as independent investigators and contributors to team science.

Also in 2017, the UMass Center for Clinical and Translational Science, along with collaborations from [MassBiologics of UMMS](#) and the [Office of Innovation & Business Development](#), sent out a call for proposals for the **IND Launch award**. The IND Launch award supports IND/IDE enabling studies. The purpose of this program is to assist faculty with the commercial development of UMass discoveries; specifically to facilitate additional research and development work directed at enabling first in human studies.

Congratulations to the following awardees!

TL1 Training Program

Pre-Doctoral Awardees

	Mentor(s)	Project Title
Karen Ashe, MS, MNSP	Judith Ockene, PhD, MEd, MA	Evaluating Changes in Family and Internal Medicine Preceptor Weight Management Counseling Knowledge, Attitudes and Self-Efficacy After Completion of a Brief Training Program
Andrea A. Lopez-Cepero, MHSN	Milagros Rosal, PhD	Exploring the Role of Stress in the Association Between Weight Change and HbA1c Change: An Analysis of the Boston Puerto Rican in Health Study
Deborah S. Mack, MPH	Kate Lapane, PhD, MS	Unequal Care in the Nursing Home: Evidence of Racial Disparities in Pain Management Among Nursing Home Residents with Cancer
Meera Sreedhara, MPH	Stephenie Lemon, PhD	Primary Prevention of Cardiovascular Disease Through Evidence-based Public Health: A Mixed Methods Assessment of Community Health Improvement Plan Implementation

Post-Doctoral Awardees

Sarah Forrester, PhD,	Catarina Kiefe, MD,	Cardiovascular Health Disparities: A
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MS
Research Assistant,
Department of
Neuropsychiatry, Johns
Hopkins University School
of Medicine, Baltimore, MD

PhD

Biopsychosocial Perspective

Essa Hariri, MD
Candidate, Class of 2017,
Lebanese American
University, School of
Medicine, Byblos, Lebanon

Jeffrey Rade, MD

Prostanoid Balance and Cardiovascular Risk

Robert Goldberg, PhD

IND LAUNCH Award

UMass Campus

Sanjay Ram, MBBS
Professor
Division of Infectious Diseases and
Immunology, Department of
Medicine
University of MA Medical School

MassBiologics of UMMS

Heidi Lyn Smith, MD, PhD
Director, Clinical Affairs
Sneha Gupta, PhD
Regulatory Affairs Specialist

Project Title

Development of Anti-Gonococcal
Monoclonal Antibody 2C7 as a
Topical Immunoprophylactic

EVENTS



April 2017 Events

Human Research Protection Program (HRPP) Upcoming Educational Opportunities

Clinical Research Professionals Group (CRPG) Meetings:



Tuesday, May 16, 2017
1:00 - 2:00 pm
Hiatt Auditorium S1-608

Monday, June 12, 2017
3:00 - 4:00 pm
Hiatt Auditorium S1-608

[Learn More](#)

Perspectives in Health Care | SPEAKER SERIES

FEATURED SPEAKER:

Mitchell Besser, MD



Dr. Mitchell Besser, an obstetrician and gynecologist, has dedicated his career to the public health needs of women. As a faculty member at the University of Cape Town, his focus was on pregnant women living with HIV and preventing the transmission of HIV from mothers to their children.

Based on his experiences, Dr. Besser founded *mothers2mothers*, a peer-to-peer education and psychosocial support program. Health centers and communities employ mothers with HIV to educate and support pregnant women and new mothers with HIV. Since 2001, *mothers2mothers* has provided care to nearly 1.5 million mothers living with HIV in nine countries in Africa. He took this model and created *AgeWell Global*. *AgeWell* employs and trains tech-enabled, independent older people to provide companionship and promote well-being and wellness among less able older people. The program has been piloted in Cape Town, New York, and Limerick, Ireland.

Dr. Besser's work has been recognized internationally, and he's received Global Health Council's Best Practice Award, the Skoll Award for Social Entrepreneurship, and the Presidential Citizens Medal from the United States government.

Communities Caring for Communities: A Vision for Better Health Care

**Monday,
April 24, 2017
10–11 a.m.**

Amphitheater, 4th Floor
333 South Street,
Shrewsbury, MA



Registration is required. Register online:

<http://commmed.umassmed.edu/perspectives-health-care-registration>



Quantitative Health Sciences



MELVIN S. CUTLER LECTURE

FEATURED SPEAKER:

Robert M. Califf, MD, MACC



Professor of Medicine,
Duke University, founding
Director of the Duke
Clinical Research Institute
and former Food and
Drug Administration
Commissioner

Dr. Califf served as the Deputy Commissioner for Medical Products and Tobacco at the FDA from February 2015 until his appointment as Commissioner in February 2016. In that capacity, he provided executive leadership to the Center for Drug Evaluation and Research, the Center for Biologics Evaluation and Research, the Center for Devices and Radiological Health, and the Center for Tobacco Products. He also oversaw the Office of Special Medical Programs and provided direction for cross-cutting clinical, scientific, and regulatory initiatives, including precision medicine, combination products, orphan drugs, pediatric therapeutics, and the advisory committee system.

Prior to joining the FDA, Dr. Califf was a Professor of Medicine and Vice Chancellor for Clinical and Translational Research at Duke University. He also served as director of the Duke Translational Medicine Institute and founding director of the Duke Clinical Research Institute; he has recently returned to Duke as a Professor of Medicine. He is a nationally and internationally recognized expert in cardiovascular medicine, health outcomes research, healthcare quality, and clinical research, and has published more than 1,200 peer reviewed articles.

AN AMERICAN APPROACH TO MEDICAL EVIDENCE GENERATION

**Thursday, April 27, 2017
12:00 – 1:00 PM**

**Albert Sherman Auditorium,
UMass Medical School**

A reception will follow in the
The Cube



Advance registration is requested, please email ghs@umassmed.edu

2017 Ray and Robert Kroc Distinguished Lecture



Rudolf Zechner, Ph.D.
Professor of Biochemistry,
Institute of Molecular Biosciences,
University of Graz

“Lipolysis: How good, how bad?”

Friday April 28, 2017
12:00 pm

Host: Michael P. Czech, Ph.D.
508-856-2255

Molecular Medicine Seminar Room
3rd Floor , Biotech Two

373 Plantation Street, Worcester, MA 01605



Tuesday May 2, 2017, UMass Medical School, Faculty Conference Room

An afternoon to celebrate The Diabetes Center Excellence and its people. UMass has for years been and remains a leading institution for diabetes research and care. Clearly, the force driving that excellence is its people. The day's events will begin with introductory comments by David M Harlan, MD and David Guertin, PhD, followed by a Keynote address by Alvin Powers, Vanderbilt University's Division of Diabetes, Endocrinology and Metabolism Director, Professor of Medicine and Molecular Physiology and Biophysics, Joe C. Davis Chair in Biomedical Science, and the American Diabetes Association's current President, Medicine and Science. The event will also include a poster session, prizes and research/care awards.

Keynote Address



ALVIN POWERS, MD

Vanderbilt University

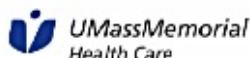
Director, Division of Diabetes, Endocrinology and Metabolism, Professor of Medicine and Molecular Physiology and Biophysics, Joe C. Davis Chair in Biomedical Science and President, Medicine and Science, of the American Diabetes Association

Registration: Please join us for this for this event. To register, please click [HERE](#). Space is limited. To view the itinerary click [HERE](#)

Poster Session: The poster session will provide a forum for researchers to showcase their work. While the poster need not describe completed work, it should report on research for which at least preliminary results are available. We especially encourage poster submissions from students, residents and fellows. Select authors will be asked to present and awards will be given. Please click the link to access the [Abstract Poster Submission Form](#)

Awards and Recognition: "You Make A Difference Award" In less than 500 words nominate a team member that is deserving of this recognition. Explain how this person has contributed to the success of the department/division. How do they "Make a Difference"? Click [HERE](#) to download a nomination form.

Questions?? Please contact Lisa Hubacz, 774-455-3654, lisa.hubacz@umassmed.edu, <http://www.umassmed.edu/dcoe>



Quantitative Health Sciences



GRAND ROUNDS SERIES

Friday, May 5, 2017

1:00 – 2:00 PM

Albert Sherman Building, AS9-2072

“The Adventure of Creating a New Kind of Medical School: The Story from Kaiser Permanente”

**Presented by: UMMS Alumna Christine K. Cassel, MD ‘76
Alumni Distinguished Service Award Honoree
Planning Dean of the Kaiser Permanente School of Medicine**



Christine K. Cassel is the Planning Dean of the Kaiser Permanente School of Medicine. Previously, she was the President and CEO of the National Quality Forum. She has also served as president and CEO of the American Board of Internal Medicine and the ABIM Foundation.

Dr. Cassel was one of 20 scientists chosen by President Obama to serve on the President's Council of Advisors on Science and Technology (PCAST). She was the co-chair and physician leader of PCAST reports on health information technology, scientific innovation in drug development and evaluation, systems engineering in healthcare, technology to foster independence and quality of life in an aging population, and safe drinking water systems.

Dr. Cassel graduated from the University of Chicago and completed her MD degree at the University of Massachusetts. She did her residency in internal medicine at Children's Hospital of San Francisco and University of California at San Francisco, where she also was a founder and graduate of the bioethics fellowship program. She was the first fellow in Geriatrics Medicine at the Portland VA Medical Center and Oregon Health Sciences University where she returned as Dean of the Medical School in 2001. She

was formerly chair of the Department of Geriatrics and Adult Development at Mount Sinai School of Medicine, and Chief of General Internal Medicine at the University of Chicago. She is a leading expert in geriatric medicine, medical ethics, health policy and quality of care.

Among her many professional achievements and honors, Dr. Cassel was elected to membership of the National Academy of Medicine in 1992. She was the first female President of the American College of Physicians and, subsequently, Chair of the American Board of Internal Medicine; she has served as Chair of the Board of the Greenwall Foundation, a national foundation in bioethics, was the President of the American Federation for Aging Research; and was a member of the Advisory Committee to the Director at the National Institutes of Health. Dr. Cassel's board service includes serving on the Boards of Kaiser Foundation Health Plan and Hospitals and Premier, Inc. She has received numerous honorary degrees and is a Fellow of the Royal Colleges of Medicine of the U.K. and Canada. She is author of over 200 articles and author or editor of 11 books, including one of the leading textbooks in geriatric medicine, and *Medicare Matters: What Geriatric Medicine Can Teach American Health Care*.

NIH Grant Writing Workshop!

Friday , May 10, 2017

8:00am – 4:00pm

Amphitheater III, S6-102
University of Massachusetts Medical School
55 Lake Avenue North, Worcester, MA

Are you applying for a NIH career development ("K") award or your first research ("R") grant?

This workshop will provide an overview of NIH and the grant review process, including a demonstration of a grant review panel, key steps in writing a grant, and the details of K and R awards. In an interactive session you will work with colleagues to draft an effective specific aims page for your application.

Presenters: Joan M. Lakoski, PhD (American Association of Colleges of Pharmacy)
and Robert J. Milner, PhD (UMMS)

Register for the workshop here by May 6th: http://w3.umassmed.edu/events/ofa_events.aspx?sid=16295

If you are not at UMMS, please email: Susan.Tremallo@umassmed.edu



Sponsored by: The Office of Research, Faculty Affairs and
Worcester Polytechnic Institute



Quantitative Health Sciences and the UMMS Initiative for Maximizing Student Development (IMSD) Present a Special Seminar

Wednesday, May 10, 2017

12:00 pm to 1:00 pm

Albert Sherman Building, AS9-2072

"Challenging biological essentialism with embodied histories of health inequities: reflections on population health data as archives of the body politic"

A lurking biological essentialism infuses contemporary research on "health disparities." I discuss the new NIH mandate to account for sex, but not also gender, in all studies, and I draw on ecosocial theory to present an alternative approach that conceptualizes health inequities as embodied history, using examples from trends in US mortality, police violence, breast cancer, including in relation to Jim Crow.



Presented by: Nancy Krieger, PhD

Nancy Krieger is Professor of Social Epidemiology and American Cancer Society Clinical Research Professor at the Harvard T.H. Chan School of Public Health (HSPH) and Director of the HSPH Interdisciplinary Concentration on Women, Gender, and Health. She is an internationally recognized social epidemiologist (PhD, Epidemiology, UC Berkeley, 1989), with a background in biochemistry, philosophy of science, and history of public health, plus 30+ years of activism involving social justice, science, and health. She is an ISI highly cited scientist (since 2004; reaffirmed: 2015), a group comprising "less than one-half of one percent of all publishing researchers." Dr. Krieger's work addresses: (1) conceptual frameworks to understand, analyze, and improve the people's health, including the ecosocial theory of disease distribution she first proposed in 1994, concerned with embodiment and equity; (2) etiologic research on societal determinants of population health and health inequities; and (3) methodologic research on improving monitoring of health inequities.

SAVE THE DATE

MAY 18, 2017

UMass Center for mHealth and Social Media Conference:

**HOW DIGITAL HEALTH IS
REVOLUTIONIZING MEDICINE**



**Keynote Speaker:
Dr. Gary Bennett**

**founder of Duke Digital
at Duke University**

featured speakers:

Dr. Edwin Boudreaux, UMMS, Emergency Medicine

Dr. Judson Brewer, UMMS, Medicine & Psychiatry

Dr. Deepak Ganesan, UMass Amherst

Dr. David McManus, UMMS, Medicine

Dr. Sherry Pagoto, UMMS, Prev. & Behavioral Medicine

Dr. Bengisu Tulu, WPI

Dr. Molly Waring, UMMS, Quantitative Health Sciences

Join us for the 1st Annual UMass mHealth and Social Media Conference.

This free event will be held from 10am-3pm on May 18, 2017 in the

Faculty Conference Room at UMass Medical School. Lunch will be provided.

Space is limited! Registration information to come.

sponsored by:



#UMASSDIGITAL17

Save the date!

HPCday

May 25, 2017

Today, virtually every important breakthrough in science depends on computing resources, which have become the "third leg" of scientific discovery along with theory and experimentation.

Scientists from across Massachusetts will join together on May 25th, 2017 to celebrate and showcase the power of high performance computing across the sciences.

Keynote speakers:

Luke Kelley (Harvard)
Sushil Prasad (NSF)

Confirmed speakers include:

Ofer Cohen (UMass Lowell)
Samuel Isaacson (BU)
Markos Katsoulakis (UMass Amherst)
Arghavan Louhghalam (UMass Dartmouth)
Ryan McKinnon (MIT)
Randy Paffenroth (WPI)
Davesh Tiwari (Northeastern)
Marinos Vouvakis (UMass Amherst)
Paul Whitford (Northeastern)

Please join us!

When: May 25, 2017

Where: UMass Dartmouth
285 Old Westport Road
North Dartmouth, MA

Time: 9am - 6pm

Free registration and more details at:
cscvr.umassd.edu/HPCday

The conference will feature a special poster session with awards for students and an HPC education session.

Organizing committee: Kavitha Chandra (UMassL), Qian-Yong Chen (UMassA), Min Hyung Cho (UMassL), Sigal Gottlieb (UMassD), Sam Isaacson (BU), David Kaeli (Northeastern), Gaurav Khanna (UMassD), Misha Kilmer (Tufts), Julia Mullen (Lincoln Lab), Eric Polizzi (UMassA), Homer Walker (WPI), Ralph Zottola (UMassPO).

Hosted by the Center for Scientific Computing and Visualization Research at UMass Dartmouth.

TRAINING and FUNDING OPPORTUNITIES

Institute for Social Science Research Methodology Workshops – Summer 2017



INSTITUTE FOR
SOCIAL SCIENCE
RESEARCH
UNIVERSITY OF MASSACHUSETTS AMHERST

The ISSR is now accepting applications for their Methodology Workshops. Courses will be taught by specialists in their fields as part of ISSR's mission to promote excellence in social science research at the University of Massachusetts Amherst and beyond. These short courses are designed to support the methods and training needs of students, academics, and professionals to enhance their education and research success.

Limited time offer – [discounted registration](#) for UMMS students and faculty. Please contact [Nate Hafer](#) for more details.

[Learn More](#)

**Ernest A. Lynton Award for the
Scholarship of Engagement for Early
Career Faculty
2017 Call for Nominations**

SWEARER CENTER
Sponsored by the Swearer Center at Brown University in partnership with the Coalition of Urban and Metropolitan Universities (CUMU), the annual Ernest A. Lynton Award for the Scholarship of Engagement for Early Career Faculty recognizes a full-time faculty member who is pre-tenure at tenure-granting campuses or early career (i.e. within the first six years) at campuses with long-term contacts and who connects teaching, research, and service to community engagement.

Deadline date to submit applications: May 1, 2017

[Learn More](#)

UMCCTS SPARK Program

The UMass Center for Clinical and Translational Science SPARK (Small Pilot and Research Knowledge) Program provides pilot funding for hypothesis-driven clinical and translational research, as well as access to the [Clinical Research Center](#) and other [UMCCTS cores](#). The UMCCTS's priorities are to support studies that impact clinical care and research methodologies, support students and trainees, and provide access to funds to generate pilot and preliminary data for external grant submissions.



UMass Medical School investigators, including students, fellows, and staff are eligible for funding. Collaborations with external collaborators, including those from other UMass campuses is encouraged. Students and fellows may be designated as the PI on UMCCTS resource requests and should list the mentor on the application and upload a letter of support. Only one PI may be designated on a request.

No Deadline Date – Rolling Basis

Questions? Contact [Nate Hafer, PhD](#)

[Read More](#)

Congratulations to our UMass SPARK Program 2017 Awardee!

Charles P. Emerson, Jr., PhD
Professor
Wellstone Muscular Dystrophy Program
Department of Neurology
UMass Medical School

Production and Preliminary Characterization of
LGMD2 iPSC Lines



Small Conference Grants are Available!

The UMass Center for Clinical and Translational Science offers [Small Conference Grants \(SCG\)](#) designed to leverage the convening capacity of the UMCCTS to create new, multidisciplinary teams to address a pressing health need. The conference can be a symposium, educational program, seminar, workshop or any other organized and formal meeting. **The goal of the SCG is to facilitate networking opportunities between faculty that focus on**

clinical and translational research.

No Deadline Date – Rolling Basis

If you have an idea for an event that a SCG could help fund, visit the UMCCTS website for more information and RFA or contact [Nate Hafer, PhD](#), Director of Operations, UMCCTS.

**Bill & Melinda Gates
Foundation
Grand Challenges Exploration**

Grand Challenges

Solving global health and development problems for those most in need

The Bill & Melinda Gates Foundation is inviting proposals for the latest round of Grand Challenges Explorations. Grand Challenges Explorations fosters early-stage discovery research to expand the pipeline of ideas for solving our greatest global health and development challenges.

Applications are accepted on the following four topics until May 3, 2017:

- [Health Systems Strengthening: Ensuring Effective Health Supply Chains](#)
- [New Approaches for Improving Timeliness of Routine Immunizations in Low-Resource Settings](#)
- [Wearables and Technology for Maternal, Neonatal and Child Health Behavior Change](#)
- [Innovations for Integrated Diagnostics Systems](#)

National MS Society Career Transition Fellowship

The National MS Society is seeking proposals from promising investigators to train and transition into research careers focused on multiple sclerosis (MS).

Preliminary applications due: May 10, 2017

[Read More](#)



Advancing the Safe Use of Healthcare Products

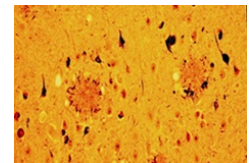


Johnson & Johnson Innovation and JLABS are awarding up to \$200,000 USD in multiple grants for novel ideas, methods and technologies to improve the safe use of healthcare products.

Deadline date to submit proposals: May 24, 2017

[Read More](#)

The Edward N. & Della L. Thome Memorial Foundation Awards Program in Alzheimer's Disease Drug Discovery Research



The goal of the Thome Memorial Foundation Awards Program in Alzheimer's Disease Drug Discovery Research is to support innovative drug discovery research that will lead to improved therapies for individuals suffering from Alzheimer's Disease.

Deadline date to submit initial proposals: June 2, 2017

[Read More](#)



Please remember to cite the CTSA Grant # UL1-TR001453 in all [supported journal publications](#).

The UMass Center for Clinical and Translational Science (UMCCTS) was founded in 2006 to enhance clinical and translational research across the five University of Massachusetts campuses and our clinical partner, UMass Memorial Health Care. With the receipt of an NIH Clinical and Translational Science Award (CTSA) in 2010, and its successful renewal in 2015, the UMCCTS joined a network of 62 NIH-funded centers collaborating to transform the conduct of clinical and translational research across the U.S. Other key partners include our patients and communities, foundations, biotechnology and pharmaceutical companies, and members of the venture capital and philanthropic communities.

We encourage you to browse through our [website](#) to learn more about how the UMCCTS catalyzes clinical and translational research through education and training, pilot funding programs, cores, services and

collaboration.

