



UNIVERSITY of MARYLAND
SCHOOL OF MEDICINE

SOM *news*

Point of PRIDE



M. Jane Matjasko, MD, served nearly 20 years as the **UMSOM's first female Chair of the Department of Anesthesiology** at the UMSOM. During her tenure, she started an anesthesiology externship program for medical students between their first and second years of training.

(She is included on the Bressler Research Building lobby display of Historic Women in UM Medicine & Science)

DEAN'S MESSAGE

At the end of September, I hosted a very special celebration to which I invited all of the School of Medicine's family, students, and friends. We recently completed the installation of brand-new displays in the lobby of the Bressler Research Building, and many of us gathered one evening to celebrate the historic subjects of those displays. We had the opportunity to honor nine significant women in our history of medicine and science, as well as my predecessor deans – all 29 of them. This event consisted of a beautiful program that included family and friends of those we honored, as well as student volunteers who all worked together to unveil the meaningful panels. While many of us may have previously heard the names and seen the photographs that we unveiled that evening, the purpose of this event was not to educate, but rather to commemorate.

We are very fortunate at the University of Maryland to maintain such a rich history of critical, wise, and talented women and men whom we may look to every day for inspiration and motivation. These clinicians, teachers, scientists, and leaders gave us so much of their time, their minds, and their efforts. The very least we can do today is give them the respect they deserve by remembering them. **This is why we celebrate.**

The lobby unveiling was a joyous occasion, despite the emotions it stirred because we still truly miss our dear colleagues, parents, and friends. More palpable is the sadness we feel for those we have recently lost. It is with great remorse that I write of the unexpected loss of our colleague and surgeon, **Dr. Thomas Monahan**, and one of our medical students, **Conan So**. Dr. Monahan served as Assistant Professor in the Department of Surgery and a valued vascular surgeon on our team. Conan was an excellent fourth-year medical student who participated in a Medical Student Summer Research Fellowship at the Hospital for Special Surgery, and completed a Master of Public Health in Quantitative Methods at the

What's on My Mind...



...is our privilege of having so many exemplary role models throughout the history of the University of Maryland School of Medicine.

Harvard TH Chan School of Public Health. I recognize the profound grief, sorrow, and shock our community is facing from the passing of these two School of Medicine colleagues. I encourage anyone who is struggling to process these emotions to seek help and speak to someone about it. Our Employee Assistance Program (EAP) is available at (667) 214-1555 and www.umb-eap.org, and our students may find help at the Student Counseling Center located at 601 W. Lombard Street, Suite 440, (410) 328-8404.

Death and disease propel us to work as hard as we possibly can in the fields of medicine and science. The reward is sustained life. I wish to congratulate **Dr. Kathleen Neuzil** and her team at the **Center for Vaccine Development and Global Health** for their recent grant award of up to more than \$200 million from the National Institutes of Health. This is one of the largest awards ever received by our School of Medicine. The research contract will support the fight against emerging influenza strains. Congratulations to the entire Center for this outstanding achievement!

In the relentless pursuit of excellence, I am
Sincerely Yours,

E. Albert Reece, MD, PhD, MBA
Executive Vice President for Medical Affairs, UM Baltimore
John Z. and Akiko K. Bowers Distinguished Professor and
Dean, University of Maryland School of Medicine

SOMnews is your source for all news and information regarding the University of Maryland School of Medicine, including Clinical Care, Research, Education, Community Outreach, and its Culture Transformation Initiative.

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SEPTEMBER 25, 2019

BRESSLER LOBBY UNVEILING

On September 25, a capacity crowd of UMSOM faculty, staff, students and friends gathered in the Bressler Research Building Lobby for the unveiling of the new **Historic Women in UM Medicine & Science** display, as well as the redesigned **Wall of UMSOM Deans**. "We pay tribute to our history as a medical school by celebrating the remarkable achievements of both our women and men who preceded us," said Dean Reece. "Because of them, we have so much to celebrate today, and even more in the future."

Real Enough

UMSOM
CRITICAL CARE
EXPERTS
PROVIDE STATE
OF THE ART
SIMULATION
TRAINING IN
COMPLEX
OBSTETRIC
EMERGENCY



When a pregnant woman experiences a life threatening trauma, or has complicating health conditions during pregnancy, the focus of health care providers is to save the lives of both the mother and the baby. To help address the unique challenges in treating pregnant trauma patients, experts at the University of Maryland School of Medicine and the R Adams Cowley Shock Trauma Center hosted two days of special training and state-of-the-art simulations.

Timing for this special training is critical as there is an increasing number of higher risk pregnancies in the U.S. and around the world. Maternal characteristics continue to change, including more women living with diseases such as congenital heart disease, older maternal age, and other pre-existing medical conditions.

“We estimate that approximately two to three pregnant women out of a 1,000 in the United States may require an ICU admission during their pregnancy,” said **Samuel M. Galvagno, DO, PhD**, Professor of Anesthesiology, who designed and manages the simulation program. Dr. Galvagno also is affiliated with the R Adams Cowley Shock Trauma Center at the University of Maryland Medical Center.

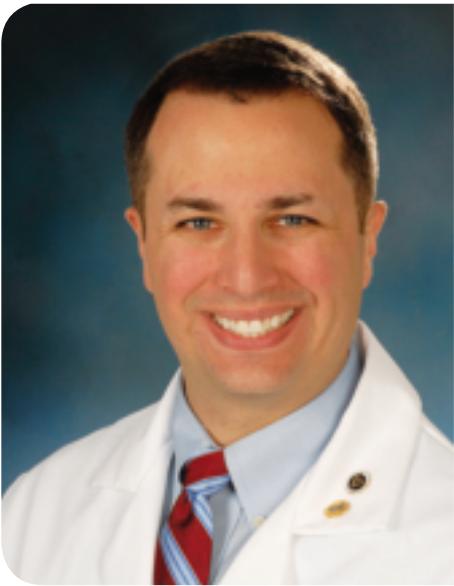
Using a realistic simulation manikin of a pregnant woman in trauma, participants treated the patient and ultimately performed an emergency caesarian section. The simulation involved a pregnant woman in cardiac failure. *“Everybody was very good at resuscitating our patient. Today was a big victory for everybody involved,”* said **Sarah D. Crimmins, DO**, Assistant Professor of Obstetrics, Gynecology and Reproductive Sciences.

This high-tech simulation manikin is the only one in the country and provided participants with realistic conditions to work within handling obstetric traumas.

This course was developed by the Society of Critical Care Medicine (SCCM), an international multidisciplinary organization, with the aim of securing the highest quality care for all critically ill and injured patients. One of the unique aspects of this course was the collaboration in both course development and instruction across specialties, including Obstetrics and Maternal Fetal Medicine, Neonatology, Obstetrical Anesthesia, and Critical Care.

“The mechanics are not necessarily easy to figure out. The model gives us the opportunity to teach people in a low-pressure setting,” said Dr. Crimmins.

The simulation created real-life situations for the training team to manage in treating the mother and ultimately delivering the baby. *“The anatomy is very realistic,”* said **Lewis Robinson, MD, PhD**, Professor of Medicine, Vice President and Deputy Chief Clinical Officer at University of Maryland Medical Center. *“We find the simulator to be an incredibly great tool.”* 🏥



Samuel M. Galvagno, DO



Sarah D. Crimmins, DO



REACHING
OUT TO THE
WORLD:




UMSOM’s 2019 Festival
of Science Centers on
Global Health Research



Samba Sow, MD, MSc
Director, Center for
Vaccine Development-Mali

Now in its seventh year, the UMSOM’s annual Festival of Science serves as a showcase for the outstanding accomplishments of the School’s research community, representing various academic departments, centers, institutes, and programs. The event — set for November 21, 2019, 8:30am – 4:30pm, in the UMSOM’s Leadership Hall — is expected to attract an enthusiastic audience of several hundred.

With this year’s theme focusing on “Global Health Research,” the daylong Festival will kick off with a keynote presentation by **Samba Sow, MD, MSc**, director general of the internationally recognized Center for Vaccine Development-Mali (CVD-Mali), which resides within the Ministry of Health of Mali since its inception in 2001. Under his leadership, CVD-Mali has made substantial contributions in clinical vaccinology, clinical research, field epidemiology, and public health policy in Mali and Sub-Saharan Africa. Dr. Sow also is an adjunct professor of medicine at the UMSOM. Other Festival highlights will include presentations from the School’s Center for Vaccine Development and Global Health (CVD) and Institute of Human Virology (IHV). Breakfast and lunch will be provided to attendees, and all are invited to a celebratory reception immediately following the event. 

FESTIVAL AGENDA

7:30am	Breakfast <i>Provided in the Atrium of Leadership Hall</i>
8:30am	Welcome E. Albert Reece, MD, PhD, MBA
8:35am	Introduction of Keynote Speaker Kathleen Neuzil, MD, MPH
8:40am	Keynote Address Samba Sow, MD, MSc
9:30am	Overview: Global Health Research at the UMSOM Kathleen Neuzil, MD, MPH

Session I:	
Global Health Research in HIV and Associated Co-morbidities (10 – 11:35am)	
Moderator: Zeljko Vujaskovic, MD, PhD	
10:00am	Measuring the HIV Epidemic and Research to Achieve Epidemic Control Man E. Charurat, PhD, MHS
10:25am	Developing a HIV Vaccine, and its Role in Global HIV Control Mohammad Sajadi, MD
10:50am	Impact of Prenatal Exposure to Pathogens of Global Health Interest on Infant Immunity Cristiana Cairo, PhD
11:15am	Research and Implementation for Global Cervical Cancer Eradication Clement Adebamowo, BM, ChB, ScD
11:35am	Q&A with Scientific Advisory Council (SAC)
12 – 1:15pm	<i>Lunch for attendees provided in MSTF atrium</i>

Scientific Advisory Council

The Scientific Advisory Council, which is tasked with evaluating the annual research area presented at the Festival of Science, currently consists of four internationally distinguished and preeminent research-scientists, who are also members of the National Academy of Sciences, Engineering, or Medicine

Gilbert Omenn, MD, PhD, Chair



Professor, Computational Medicine & Bioinformatics; Human Genetics; Molecular Medicine & Genetics; Public Health, School of Public Health; and Harold T. Shapiro Distinguished University Professor, University of Michigan Member, National Academy of Medicine and National Academy of Sciences

Dr. Gilbert Omenn served as Executive Vice President for Medical Affairs and as Chief Executive Officer of the University of Michigan Health System from 1997-2002. He is the director of the UM Center for Computational

Medicine and Bioinformatics. He is a past president of the American Association for the Advancement of Science and a member of the Institute of Medicine of the National Academy of Sciences. Dr. Omenn’s research focuses on cancer proteomics and informatics. He is especially interested in the role of differential expression of alternative splice isoforms of proteins and transcripts in specific cancer-related pathways.

Diane E. Griffin, MD, PhD



Professor & Chair, W. Harry Feinstone Department of Molecular Microbiology & Immunology, Johns Hopkins Bloomberg School of Public Health Founding Director, Johns Hopkins Malaria Research Institute; Member, National Academy of Medicine

Dr. Diane Griffin is University Distinguished Service Professor and Alfred and Jill Sommer Chair of the W. Harry Feinstone Department of Molecular Microbiology and Immunology at Johns Hopkins Bloomberg School of Public Health. Dr. Griffin is a virologist recognized for her

work on the pathogenesis of viral infections. She is known particularly for her studies on measles and alphavirus encephalomyelitis that have delineated the role of the immune tissue damage and immune suppression.

George C. Hill, PhD



Past Levi Watkins, Jr. M.D. Professor for Diversity in Medical Education; Distinguished Professor Emeritus of Pathology, Microbiology & Immunology and of Medical Education & Administration; Former Vice Chancellor for Equity, Diversity and Inclusion, Vanderbilt University Past President, National Foundation for Infectious Diseases Member, National Academy of Medicine

Dr. George Hill is currently the Distinguished Professor Emeritus of Pathology, Microbiology, and Immunology Emeritus and the Levi Watkins, Jr. Professor in Medical

Education Emeritus at Vanderbilt University Medical Center. He also served as Assistant Vice Chancellor for Multicultural Affairs and Special Assistant to the Provost for Health Affairs for Vanderbilt University (2011-2012). From 2002-2011, he served as Associate Dean for Diversity in Medical Education and successfully initiated and led the increase in diversity at the Vanderbilt University School of Medicine. He also served as the President of the National Foundation for Infectious Diseases from 2009-2011 and received the John P. Utz Leadership Award from this organization.

Rita Colwell, PhD



Distinguished Professor, University of Maryland College Park; Adjunct Professor, Johns Hopkins University; Former Director, National Science Foundation; 2006 National Medal of Science Member, National Academy of Sciences

Dr. Rita Colwell is Distinguished University Professor both at the University of Maryland at College Park and at Johns Hopkins University Bloomberg School of Public Health, Senior Advisor and Chairman Emeritus, Canon US Life Sciences, Inc., and President and Chairman of

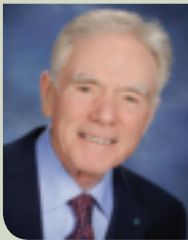
CosmosID, Inc. Her interests focus on global infectious diseases, water, and health, and she is currently developing an international network to address emerging infectious diseases and water issues, including safe drinking water for both the developed and developing world, in collaboration with Safe Water Network, headquartered in New York City.



Past Council Members include (L to R):

Carol Greider, PhD – 2009 Nobel Laureate

Philip Needleman, PhD – UMSOM alumnus, Class of 1964; discoverer of celecoxib (brand name Celebrex)



Ralph Snyderman, MD – Chancellor Emeritus, Duke University

Elias Zerhouni, MD – President of Global R&D, Sanofi; past National Institutes of Health Director

ACCREDITATION

The University of Maryland School of Medicine (UMSOM) is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Credit Designation:

The UMSOM designates this Live activity for a maximum of **6.0 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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For additional Festival information, contact:

Kevin J. Enright

Executive Director for Administration – Dean’s Office
University of Maryland School of Medicine
410-706-6866

Session II:

Global Health Equity: Probing New Research to Accelerate Health improvements (1:20 – 2:10pm)

Moderator: **Mary-Claire Roghmann, MD, MS**

1:20pm Typhoid Control Efforts in Samoa
Myron Levine, MD, DTPH

1:45pm Reducing Malaria Mortality in Children
Mark Travassos, MD, MSc

2:10 – 2:35pm Q&A with SAC

Session III:

Addressing Global Health Research Challenges (2:35 – 3:55 p.m.)

Moderator: **Curt Civin, MD**

2:35pm Uncovering Disease Burden
Karen Kotloff, MD

3:05pm Developing Vaccines for Public Health Need: The Example of Shigella-ETEC
Eileen Barry, PhD

3:30pm Innovative Clinical Testing of Vaccines
Wilbur Chen, MD, MS

3:55pm Q&A with SAC

4:15pm Closing Remarks
E. Albert Reece, MD, PhD, MBA

Reception in the Atrium of Leadership Hall



The Journey Center offers free services including:

- Walk-in HIV & Hep-C Testing
- Peer Navigation to HIV and Hep-C Prevention Services, both pre-exposure prophylaxis (PrEP) and post-exposure prophylaxis (PEP)
- Peer Support
- Health Education
- Support Groups
- LGBTQ+ Community Events
- Youth-friendly programming
- Computer & Financial Literacy Courses
- Community Work Space
- Social Events

JACQUES Initiative's Journey Center Celebrates First Year

An estimated 1.1 million people are currently living with HIV in the United States, according to the Centers for Diseases Control and Prevention. While the annual number of new HIV diagnoses has remained steady in recent years, HIV continues to have a disproportionate impact on certain groups, especially racial and ethnic minorities. In Baltimore City, African-Americans account for 62 percent of the population, and yet represent nearly 85 percent of all people living with HIV/AIDS. In addition, Baltimore City was rated as having the highest rate of Hepatitis C (HCV) cases in Maryland in 2017 — home to over 55 percent of Maryland residents who were co-infected with HIV.

In October 2018, the JACQUES Initiative (JI), a program of the **Institute of Human Virology (IHV)** at the University of Maryland School of Medicine (UMSOM), launched the **Journey Center**, a wellness program designed to provide comprehensive HIV and HCV prevention services to Baltimore's most vulnerable citizens.

“One in 43 individuals are living with HIV in Baltimore, and we have even more living with Hepatitis C,” says **Anthony Amoroso, MD**, Associate Professor of Medicine, Associate Director and Head of Clinical Programs in IHV's Division of Clinical Care & Research. ***“The Journey Center offers much-needed services and support to Baltimore residents who are at high risk for HIV and HCV.”***

The new 7,300 square-foot Center, located in Baltimore's Mount Vernon district, functions in concert with JI's Treatment Retention and Adherence Center and Community Case Management Program. All three programs work collaboratively to support healthcare systems by engaging and linking community members to HIV and HCV care and prevention resources. The Journey Center, in particular, integrates wellness and prevention into its community engagement model in order to address the gaps in the continuum of care.

“We are currently in a new era in HIV prevention and HCV treatment,” says **Hernán Ludueña Segre**, Program Director of Community Engagement. ***“Our prevention team works to engage community members and create personalized care plans according to members' needs, and not only those needs that are disease specific.”***

The Center's interventions are carried out through several strategies, including capacity building with future and current clinicians and service providers; peer navigation; health education and risk reduction; community case management; and youth programming. 🏡



Officials speaking at the 2018 Grand Opening (L to R):

Robert Gallo, MD, the Homer and Martha Gudelsky Distinguished Professor in Medicine and Director of the IHV
Mary Beth Haller, Esq., former Interim Baltimore City Health Commissioner
Danny Wong, IHV Board Member
Curt Civin, MD, Associate Dean for Research, Director, Center for Stem Cell Biology & Regenerative Medicine at UMSOM

The Late Honorable Elijah Cummings, U.S. House of Representatives and IHV Board member
Jamie Mignano, PhD, MSN, MPN, RN, former Executive Director, JACQUES Initiative
Alison Brown, MPH, President of the University of Maryland Medical Center-Midtown Campus, and Senior Vice President, University of Maryland Medical System
Terry Lierman, IHV Board of Advisors Co-Chair
Rhonda Carr, IHV's JACQUES Initiative Journey Center Peer Navigator

WHAT'S Cooking

UMSOM Medical Students Gain a Taste of Nutrition Knowledge to Improve Patient and Self-Care

First- and second-year medical students at the University of Maryland School of Medicine (UMSOM) have a new requirement this year in order to earn their medical degree: culinary medicine. Among the first medical schools in the nation to implement the required course, UMSOM aims to increase future physicians' nutrition knowledge through a class that combines didactic lectures on the evidence supporting many different approaches to healthy eating with experiential techniques that involve the proper chopping of onions, sautéing of vegetables, and garnishing of freshly baked salmon.

As they whip up an avocado chocolate mousse and cauliflower rice, these students learn how to integrate better nutrition and health into their medical education and patient care. This is part of UMSOM's efforts to not only educate emerging doctors on the principles of nutrition to help them better care for their patients, but also to improve their own health and wellness. Research suggests these culinary courses help lead to improved wellness, reduced risk of burnout and improved self-care – all of which can help students better manage the pressures and rigors of medical training that continues for years after they earn their MDs.


“This is an evidenced-based program that fills important gaps in medical education by teaching about nutrition’s critical role in chronic diseases and how to use cooking to inspire healthy dietary changes,” said **Chris D’Adamo, PhD**, an Assistant Professor of Family & Community Medicine and Director of the Center for Integrative Medicine at UMSOM, who teaches the culinary medicine course. *“We teach the general principles of a wholefoods-based diet. We do not, however, advocate for any one diet in particular, taking into account an individual’s unique health needs, taste preferences, and cultural influences.”*

In a survey of more than 250 first- and second-year UMSOM medical students who received a single 2.5 hour session of culinary medicine training, 80 percent of the students reported that the class will help them offer practical nutrition advice to future patients, and 87 percent reported that they will use the food preparation knowledge they learned in their own lives. In terms of measurable impact, 67 percent of the students reported that they feel “prepared” or “very prepared” to provide healthy eating recommendations to their patients, compared to 38 percent of students prior to taking the culinary medicine workshop.

“I believe this nutrition training for medical students is crucial to giving the best care possible to our patients – not only to treat their diseases but for prevention as well,” said first-year medical student Kimia Abtahi.

Studies have found that doctors who provide lifestyle counseling can have a positive impact on their patients’ health: One 2014 analysis of data from the National Health and Nutritional Examination Survey found that overweight and obese patients whose doctors encouraged them to lose weight were twice as likely to lose at least five percent of their body mass over the following year. Medical School curriculum initiatives that make culinary medicine coursework mandatory can improve a student’s nutrition knowledge and skills significantly, according to a September study published in The Lancet Planetary Health, which also found that most doctors are lacking in these skills.

“This new component of the curriculum reflects our broader mission to train physicians who can properly care for their own health through good nutritional habits, and who can encourage patients to adopt healthier behaviors,” said **Dean E. Albert Reece, MD, PhD, MBA**. *“Ultimately, the goal of our new curriculum is to produce ‘Renaissance’ physicians who are lifelong learners and critical thinkers, and who are compassionate, possess leadership skills, and care about social justice issues and the need for diversity.”*

Dr. D’Adamo and his Culinary Medicine team at the UMSOM Center for Integrative Medicine teaches the “food as medicine” course in collaboration with the Institute of Integrative Health in Baltimore, which includes use of their teaching kitchen and staff and with support from Performance Foodservice. 



Chris D’Adamo, PhD
Assistant Professor of Family & Community Medicine
Director of the Center for Integrative Medicine at UMSOM

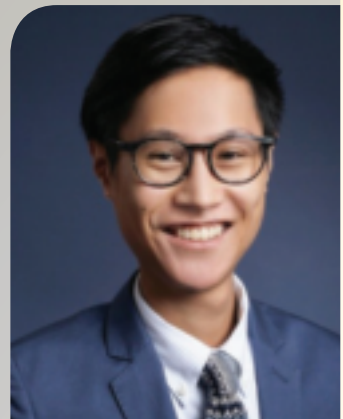


UMSOM MOURNS LOSS OF FACULTY MEMBER AND MEDICAL STUDENT

The UMSOM community was greatly saddened by the news that it lost two of its own on September 12. **Thomas S. Monahan III, MD**, Assistant Professor of Surgery at the UMSOM who worked tirelessly to bring surgical care to the poor, incarcerated, veterans, uninsured and the mostly forgotten, passed away at his Baltimore home. *“Tom came to Baltimore and really carved out a mission to help the underprivileged, of which there is no shortage in this city,”* said **Rajabrata Sarkar, MD, PhD**, Professor of Surgery and head of the Division of Vascular Surgery. *“He was a genuine and warm human being who was always willing to lend a hand clinically or lend an ear socially to anyone in need.”* Medical student **Conan So, MPH**, Class of 2020, battled leukemia and ultimately succumbed to complications from pneumonia. *“Conan was an excellent student of medicine; he loved to learn, was a selfless study partner, and a warm and wonderful colleague,”* said **Donna L. Parker, MD**, Associate Professor of Medicine and Senior Associate Dean for Undergraduate Medical Education. *“He took it upon himself to discover truths about our world and expand the body of medical knowledge.”* They will be greatly missed.



Thomas S. Monahan III, MD



Conan So, MPH

Dean E. Albert Reece

Cordially Invites You to Attend the

*School of Medicine
Holiday Celebration*

Wednesday, December 4, 2019

4:00pm until 6:00pm

The UMMS Atrium in Health Sciences Research Facility III

SOMnews is produced by the University of Maryland School of Medicine Office of Public Affairs

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