



SOM *news*

Point of PRIDE



George E. Bennett, MD
UMSOM Class of 1909

Dr. Bennett was recognized as one of the **leading orthopaedics** in Baltimore. He was best known nationally and internationally for his contributions to orthopaedic surgery, including children's and non-operative orthopaedics, and sports medicine.



What's New...

SOMnews has now expanded to eight pages, with more information and special sections on Research & Discovery, Clinical Care, Academic Innovations, and Community Impact.

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DEAN'S MESSAGE

Every single student and employee on this campus has identified and pursued an interest or cause about which they are passionate. We all serve a common mission in the areas of **education, research, clinical care, and community impact** because of varying aptitudes we felt inclined to investigate. I applaud those who courageously followed their callings and now offer the School of Medicine the benefit of their scientific and medical talents.

While passion plays a significant role in the success of our daily activities, discernment in directing those passions plays an even more vital role. A number of factors may affect our abilities in determining how best to apply our passions to our lives: exposure to different opportunities, experiences of success and failure, and relational influences, among others. We are fortunate that our work affords us the benefit of a collaborative community in which we can share and cultivate our skills and interests. The UMSOM offers many avenues in which to do so, including our annual Festival of Science, which will take place **November 29, 2018 in Leadership Hall**.

An annual School of Medicine event since 2013, the Festival of Science serves as the cornerstone of the University of Maryland Medicine's **Shared Vision 2020** and our **Accelerating Innovation and Discovery in Medicine (ACCEL-Med) Initiative**. When we developed our plan for the future, we identified the Festival of Science as a way to highlight the selective, strategic, and bold approaches of our research portfolio. Modeled after similar scientific symposia held at peer institutions across the country, the Festival of Science helps achieve ACCEL-Med's purpose to increase the pace and scope of basic, translational, and clinical sciences research, and to dramatically impact and improve human health and well-being.

A distinguished collection of faculty will present their latest research within the theme of **OMICS Biology: Basic, Translational, and Clinical Applications**. This year offers a special opportunity to hear a presentation from an inaugural **Dean's Challenge Award recipient, Joana Carneiro da Silva, PhD**, Associate Professor, Department of Microbiology and Immunology and Institute for Genome Sciences. Dr. da Silva and her colleagues will discuss the topic of **Leveraging Parasite Population Genomics Data to Understand Malaria Vaccine Efficacy and Drug Resistance**. We launched the Dean's Challenge Award to accelerate research leadership and answer important questions underlying human health and disease. This initiative encouraged senior UMSOM scientists to catalyze the launch of major "Big Science" research programs within the school and across departments, centers, institutes, and programs.

As always, I look forward to everyone's thoughtful discussions and the insightful feedback from the esteemed

What's on My Mind...



...are opportunities like the Festival of Science that allow us to invest in our scientific and academic endeavors, and how they contribute to cultivating our passions.

Scientific Advisory Council during the Festival.

This year, Council members include:

- **Ralph Snyderman, MD, Chair**
- **Rita Colwell, PhD**
- **George C. Hill, PhD**
- **Gilbert Omenn, MD, PhD**

I also look forward to the **keynote address** from **Huntington Willard, PhD**, Director of Geisinger National Precision Health, Associate Chief Scientific Officer, and Howard Hughes Medical Institute Professor. This day-long gathering of our academic community offers us the opportunity to celebrate the groundbreaking research our colleagues are conducting. Having access to such a community as the School of Medicine offers a multitude of outlets — both organic and intentional — in which we can exchange ideas and progress, leading to breakthroughs and advancements. This year's Festival promises to mark our commitment to the sciences once again and provide a valuable platform with which to continue fostering our passions.

As a privilege in which to participate and observe, the Festival of Science is only as beneficial as our community is represented. Vigor and enthusiasm in research contains an infectious element. When we gather in any kind of setting within our academic environment, the intensity of our zeal for the critical work that we spearhead and support only increases. I hope we can take advantage of the Festival's unique forum that our staff and faculty work hard to organize and facilitate. While we look forward to the approaching season of holiday celebrations, we should remember to celebrate each other and ourselves as well in the life-changing work to which we so fortunately contribute. Let us take responsibility for continuing to move our passions along in directions of high impact for our community, our country, and our world.

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



Watch the 2018 State of the School Address at:

medschool.umaryland.edu/news/2018/From-Groundbreaking-to-Record-Breaking.html



A Vital Link in the Care Continuum

Think of today's advanced healthcare delivery systems as a circle. In treating every case, medicine's continuing goal is to return patients back to the level of health they enjoyed prior to the occurrence of disease and injury. And to complete this circle, a successful patient care process often requires access to a post-acute rehabilitative venue.

For faculty physicians and departments of the University of Maryland School of Medicine (UMSOM), that vital link in the design of their care continuum is the **University of Maryland Rehabilitation & Orthopaedic Institute**. Founded over a century ago in Baltimore as the Hospital for Crippled and Deformed Children, UM Rehab & Ortho is Maryland's first orthopaedic and rehabilitation hospital. In joining the University of Maryland Medical System, the then-named James Lawrence Kernan Hospital was combined with the Montebello Rehabilitation Hospital in 1996 to create the premier rehabilitation center in the state. With the additional opening of its \$30 million William Donald Schaefer Rehabilitation Center that same year, UM Rehab & Ortho became the region's largest and most comprehensive rehabilitation facility, a distinction it enjoys to this day. In addition, it also became the only hospital campus to earn Commission on Accreditation of Rehabilitation Facility (CARF) Accreditation for Brain Injury, Spinal Cord System of Care, Comprehensive Integrated Inpatient Rehabilitation, and Stroke Specialty programs.

An Essential Partner in Patient Care

In managing a full range of rehabilitative issues due to conditions like stroke, spinal cord injuries, traumatic brain injuries, neurological disorders, and complex medical-surgical issues, UM Rehab & Ortho completes the patient care continuum for many patients within an advanced and cost-effective setting. For UMSOM's clinicians, this partnership is essential to their own objectives in restoring patient health and wellbeing.



According to **Andrew Pollak, MD**, James Lawrence Kernan Professor and

Chair in the Department of Orthopaedics, *"UM Rehab & Ortho provides an outstanding state of the art facility for musculoskeletal rehabilitation following spinal cord injury, spine injury, and extremity trauma in our patient population. It is really the best facility available to us to rehabilitate those very complicated patients after we discharge them from the Shock Trauma Center. The quality of the rehabilitation care they provide for patients with multi-orthopaedic injuries is absolutely outstanding."*

UM Rehab & Ortho offers an extensive array of orthopedic and rehabilitation services for children and adults, ranging from pediatric orthopaedics to sports medicine. Surgical services include hand, spine, foot and ankle, shoulder and knee, and complete joint replacement. *"As a strategic partner, UM Rehab & Ortho offers a state-of-the-art venue for surgical procedures that may be very complicated from a technical standpoint, but not are not necessarily appropriate for the high cost of the academic medical center. That is why our department developed a very robust Shoulder and Elbow program there that allows us to do some very complicated shoulder replacement procedures in a low-cost, high-quality environment. Our Hand and Upper Extremity Program is blossoming there as well,"* said Dr. Pollak.

Putting Patients on the Path Home

The catastrophic effects of a stroke or other neurological disorder can be debilitating both physically and emotionally for patients. UM Rehab & Ortho's Stroke Rehabilitation Program addresses the whole patient, providing a supportive environment that is both high tech and high touch. Patients engage in individualized rehabilitation programs that include physical and occupational therapy, speech therapy, recreation therapy, social and cognitive retraining, group treatment, and education. The program also provides patients with access to highly advanced equipment such as the Lokomat,[®] a robot-assisted training device that supports patients in a parachute harness while moving their legs on a treadmill. The device is used to help patients partially paralyzed by stroke or with spinal cord injuries regain the ability to walk. UM Rehab & Ortho is one of only two facilities in Maryland and one of about 25 centers in the nation with a Lokomat.[®] Other cutting-edge technology available onsite includes the Vector Gait & Safety System, which provides secure and dynamic body



weight support while promoting more effective early mobility training for patients in gait rehabilitation.

UM Rehab & Ortho additionally offers an Inpatient Brain Injury Program for adults and adolescents with brain injuries. Through its structured, interdisciplinary rehabilitation program, patients are guided to reach the greatest level of independence in order to return to daily living.



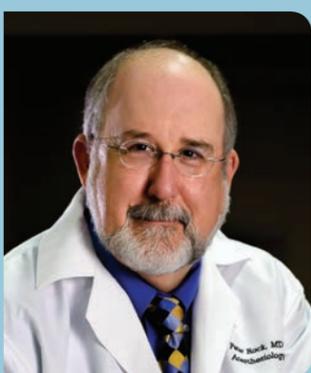
The program provides an extensive range of educational resources to help families and caregivers understand the effects of brain injuries and to better assist their loved ones.

“These programs at UM Rehab & Ortho are really essential to bringing patients back to a pre-morbid health condition,” says Peter B. Crino, MD, PhD, Professor and Chair of the Department of Neurology. *“In the Neuro ICU, we do a lot to bring patients back from the edge of death, and then out onto the floor*

to be stabilized. But this is just the beginning of their recovery process — patients need an advanced facility where they can go for a protracted period of intensive therapy that allows them to regain whatever function they have lost, and to become a homeward-bound patient. To me, that is what is so mission-critical about UM Rehab & Ortho.”

Analgesic Alternatives to Opioids

Combatting pain, be it chronic or the result of a surgical procedure, is one of the major ongoing challenges in modern medicine. Fortunately, the University of Maryland Pain Management Center at UM Rehab & Ortho provides an innovative array of treatment approaches to reducing pain, developing individualized therapies, and improving a patient’s overall quality of life.



As a part of UMSOM’s Department of Anesthesiology, the Center is staffed by faculty physicians who are all board certified in Pain Medicine and Anesthesiology, and are published experts in the field of Pain Medicine. In treating a patient’s pain, they may employ more than one treatment modality to achieve pain reduction or cessation, including medications, medical procedures, psychological support, and physical therapy.

“UM Rehab & Ortho has been a great partner for many years,” says Peter Rock, MD, MBA, Professor and Martin Helrich Chair of the Department of Anesthesiology. *“The Pain Management Center at UM Rehab & Ortho is the main location of our growing pain practice. We receive referrals there from throughout the*

state. Having available alternatives in pain management is especially important these days, as patients and physicians want to avoid opioids if possible, due to fears of addiction. Fortunately, we are able to offer a number of medical therapies and interventional pain procedures that can minimize or even eliminate the use of opioids.”

The anesthesia team caring for patients undergoing surgery at UM Rehab & Ortho also is involved in treating acute post-surgical pain, says Dr. Rock. One of those anesthetic techniques employed by anesthesiologists there, he notes, has made his department *“a regional and national leader in reducing the need for postoperative opioid analgesics.”*

“A proven alternative to general anesthesia, regional anesthesia selectively anesthetizes an extremity like an arm or leg by using peripheral nerve blocks,” Dr. Rock explains. *“This form of anesthesia, usually delivered via an injection, also can be converted into a continuous technique, involving a nerve catheter. Anesthesiologists at UM Rehab & Ortho have pioneered the use of such nerve catheters, allowing continuous analgesia for several days postoperatively, which is a very effective alternative to opioids.”*

“Many patients and their surgeons want to have their care at UM Rehab & Ortho because of the availability there for this kind of anesthesia. Regional anesthesia reduces or eliminates the need for patients to go home on opioids, which is hugely important,” said Dr. Rock. 

The UM Ortho & Rehab is part of the University of Maryland Rehabilitation Network. Since it is important to have rehabilitation services close to where patients live, the UM Rehabilitation Network offers care at several locations throughout the state.



To learn more about the University of Maryland Rehabilitation & Orthopaedic Institute, visit umms.org/rehab.

2018 PREVIEW

The SOM FESTIVAL of SCIENCE



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TRANSCRIPT

OMICS BIOLOGY: Basic, Translational and Clinical Applications

this year's theme for our annual **Festival of Science** is **OMICS Biology: Basic, Translational, and Clinical Applications**, which will highlight some of the incredible, diverse work being conducted by several different departments throughout the School of Medicine. A distinguished collection of faculty will present their latest research within this field of study. This year offers a special opportunity to hear a presentation from an inaugural **Dean's Challenge Award recipient, Joana Carneiro da Silva, PhD**, Associate Professor, Department of Microbiology and Immunology and Institute for Genome Sciences. Dr. da Silva and her colleagues will discuss the topic of **Leveraging Parasite Population Genomics Data to Understand Malaria Vaccine Efficacy and Drug Resistance**. Our Keynote Speaker this year is **Huntington Willard, PhD**, Director of Geisinger National Precision Health, Associate Chief Scientific Officer, and Howard Hughes Medical Institute Professor.



Thursday, November 29, 2018
8:00am - 4:00pm • Leadership Hall

REGISTER TODAY ONLINE @
medschool.umaryland.edu/festival

- 7:30-8:30am** **BREAKFAST**
Coffee, tea and breakfast pastries will be available in the Atrium of Leadership Hall

- 8:30-8:40am** **WELCOME**
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*

- 8:40-9:25am** **KEYNOTE ADDRESS**
Huntington Willard, PhD

- 9:30-9:40am** **OVERVIEW: GENOMICS RESEARCH AT THE UMSOM**
Claire Fraser, PhD
*Dean's Endowed Professor
Professor, Department of Medicine
Director, Institute for Genome Sciences*

- 9:45-9:55am** **OVERVIEW: GENOMICS CORE SERVICES AT THE UMSOM**
Owen White, PhD
*Professor, Department of Epidemiology & Public Health
Associate Director, Institute for Genome Sciences
Director, UM Center for Health-Related Informatics and Bioimaging*

- 10:00-11:40am** **SESSION ONE: OMICS and Infectious Diseases**
Moderator: Terry Rogers, PhD
*Associate Dean for Research Development & Administration
Executive Director, Office of Research Affairs*

- 10:00-10:40am** Dean's Challenge Award presentation: Leveraging Parasite

Population Genomics Data to Understand Malaria Vaccine Efficacy and Drug Resistance

Joana Carneiro da Silva, PhD

Professor, Department of Microbiology & Immunology and Institute for Genome Sciences

Kirsten Lyke, MD

Associate Professor, Department of Medicine and Center for Vaccine Development and Global Health

Shannon Takala Harrison, PhD

Associate Professor, Department of Medicine and Center for Vaccine Development and Global Health

10:45-11:05am Genome-Guided Discovery of Novel Antifungal Therapies
Vincent Bruno, PhD

Associate Professor, Department of Microbiology & Immunology and Institute for Genome Sciences

11:10-11:30AM Q&A WITH SAC

11:40am-1:00pm LUNCH *Atrium of Leadership Hall*

1:00-2:10pm SESSION TWO: OMICS AND PRECISION MEDICINE

Moderator: Curt Civin, MD

*Professor, Department of Pediatrics
Director, Center for Stem Cell Biology & Regenerative Medicine
Associate Dean for Research*

1:00-1:20pm The Omics Road to Hearing Protection and Restoration

Ronna Hertzano, MD, PhD

Associate Professor, Department of Otorhinolaryngology-Head & Neck Surgery and Institute for Genome Sciences

1:25-1:45pm Genetics and Genomics of Diabetes

Toni Pollin, PhD

Associate Professor, Department of Medicine

1:50-2:10pm Q&A WITH SAC

2:15-3:30pm SESSION THREE: OMICS AND THE MICROBIOME

Moderator: Richard Eckert, PhD

*John F. B. Weaver Professor and Chair, Department of Biochemistry & Molecular Biology
Associate Director of Basic Science Research,
University of Maryland Marlene and Stewart Greenbaum Comprehensive Cancer Center*

2:15-2:35pm The Vaginal Microbiome in Health and Disease

Jacques Ravel, PhD

*Professor, Department of Microbiology & Immunology
Associate Director, Institute for Genome Sciences*

2:40-3:00pm M'Omics: Maternal Stress Impacts on Brain Development

Tracy Bale, PhD

Professor, Department of Pharmacology

3:05-3:35pm Gut Microbiota, Innate and Adaptive Inflammation, and Host Immunity: A Ménage à Trois that Determines Transplant Outcome

Emmanuel Mongodin, PhD

Assistant Professor, Department of Microbiology & Immunology and Institute for Genome Sciences

Jonathan Bromberg, MD, PhD

*Professor and Vice Chair for Research, Department of Surgery,
Center for Vascular & Inflammatory Diseases and
Center for Stem Cell Biology & Regenerative Medicine*

3:40-3:55pm Q&A WITH SAC

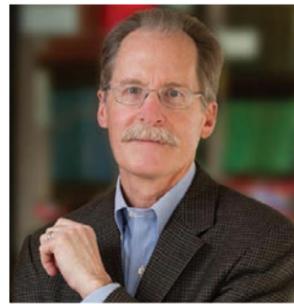
4:00pm CLOSING REMARKS

E. Albert Reece, MD, PhD, MBA

RECEPTION

A dessert and coffee reception will be held in the Atrium of Leadership Hall immediately following

KEYNOTE SPEAKER



Huntington Willard, PhD,

Director of Geisinger National Precision Health, Associate Chief Scientific Officer, and Howard Hughes Medical Institute Professor

EDUCATION

PhD, Yale University, 1979

AB, Harvard College, 1975

Trained in human genetics, Dr. Willard has focused his research, educational, and leadership interests at the crossroads of basic genetics and genome biology and their impact on society and the practice of medicine. His research group's efforts on the function of the human genome led to the identification of the XIST non-coding RNA gene that controls X chromosome inactivation and to the genomic definition of human centromeres, comprised of complex repetitive DNA sequences that form specialized heterochromatin underlying chromosome segregation in mitosis and meiosis. He has led complex interdisciplinary units that combined both basic genetics and medical genetics at major universities and hospitals and, at various institutions, started new degree programs in genetics/genomics, genetic counseling, bioinformatics, and genome policy. He is co-author of the textbook *Genetics in Medicine*, and co-editor of the *Genomic and Precision Medicine* book series. He is an elected member of the National Academy of Sciences, the National Academy of Medicine, and the American Academy of Arts & Sciences. Prior to coming to Geisinger full-time, he was chair of the Geisinger Scientific Advisory Board from 2011-2017.

His current interests focus on the challenge of implementing knowledge and data from the sequence of individual genomes into the practice of healthcare, both at Geisinger and nationally. This will require fundamental shifts in how we view genomes and DNA, the prevention of disease, the nature of one's healthcare, and the state of health and well-being itself.

SCIENTIFIC ADVISORY COUNCIL

Ralph Snyderman, MD

*Chair, Chancellor Emeritus, Duke University & James B. Duke Professor of Medicine
Former President & CEO, Duke University Health System
Former Chair, Association of American Medical Member, National Academy of Medicine*



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 Medicine*



George C. Hill, PhD

*Levi Watkins, Jr. Professor in Medical Education, Distinguished Professor of Pathology, Microbiology & Immunology and of Medical Education & Administration
Former Vice Chancellor for Multicultural Affairs, Vanderbilt University
Past President, National Foundation for Infectious Diseases
Member, National Academy of Medicine*



Gilbert Omenn, MD, PhD

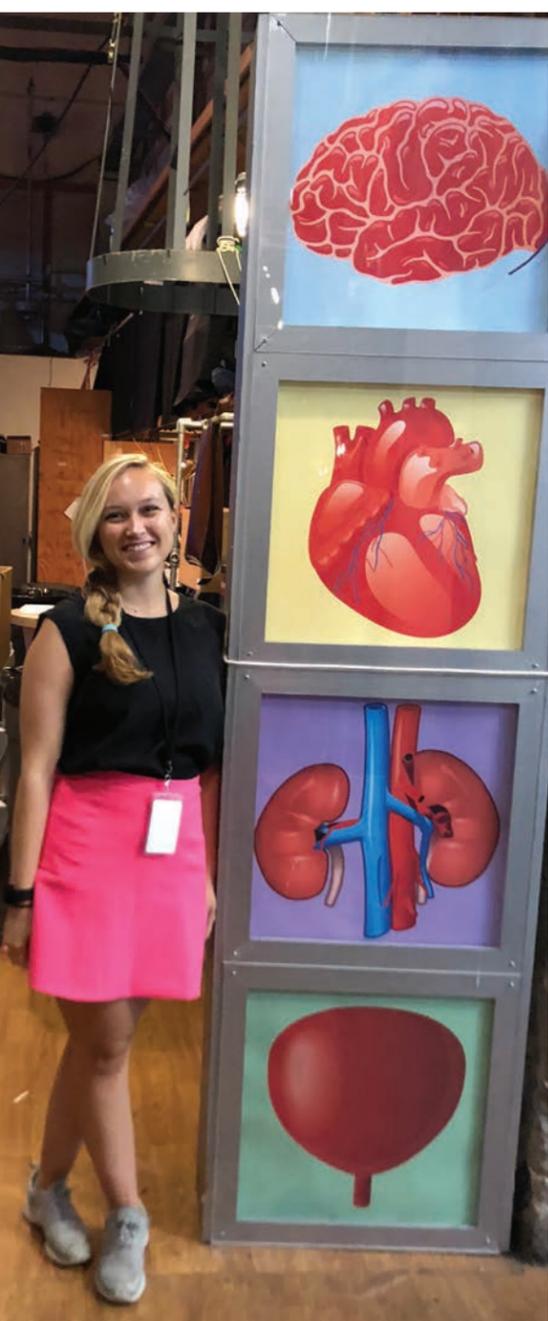
*Professor, Computational Medicine & Bioinformatics; Human Genetics; Molecular Medicine & Genetics; Public Health, School of Public Health
Harold T. Shapiro Distinguished University Professor, University of Michigan
Member, National Academy of Medicine*



Accreditation Statement The UMSOM is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Credit Designation Statement The UMSOM designates this Live activity for a maximum of 6.50 AMA PRA Category 1 Credits.™ Physicians should claim only the credit commensurate with the extent of their participation in the activity.

MD Student Takes on Role at the Dr. Oz Show



Over the past two decades, the health industry has progressively turned to media to promote and extend the spread of health information. Health media has brought a new dimension to healthcare — increasing consumers’ ability to access and share information, and thus creating new opportunities to impact patient care and improve health outcomes.

Third-year medical student Erin Hays at the University of Maryland School of Medicine (UMSOM) has taken a year’s leave of absence to explore these **interconnections between media and medicine**. In August, Ms. Hays began working as a Medical Student Researcher on *The Dr. Oz Show* in New York.

For the next six months, Ms. Hays will be working closely on the show’s production, vetting scripts for medial accuracy and briefing Dr. Mehmet Oz, the show’s host, on medical topics before tapings. Ms. Hays also will assist in crafting graphics and animations that explain physiology, disease, and important medical concepts.

“I credit the Discovery Channel for stimulating my interest in human medicine,” she said. *“I have a distinct memory of watching and thinking, ‘this would be a cool career choice.’ Since then, the opportunity to solve people’s problems as well as the fascinating and ever-evolving science of medicine has made medicine my dream career.”*

As early as she can remember, Erin has had interest in medicine and health. More recently, she has combined her passion for medicine with social media.

During her second year of medical school, Ms. Hays started a **YouTube channel**, which currently has nearly 20,000 subscribers, to document her day-to-day experiences in medical school. *“I wanted to have my own platform for health in the media,”* she said. *“About a year after I started my channel, I saw the Dr. Oz opportunity advertised in our school’s newsletter — I just couldn’t let this opportunity pass me by!”*

Launched in 2009, *The Dr. Oz Show* remains one of the most watched shows in daytime television. Currently seen in over 100 countries worldwide, the show has received several honors, including five Daytime Emmy Awards for “Outstanding Talk Show Informative”. *Time* magazine has also ranked Dr. Oz at 44th on its list of the “100 Most Influential People in 2008.”



Dr. Mehmet Oz with UMSOM third-year medical student Erin Hays

“The medical unit is like the nuclear reactor of the show, and students who take a year off play an important role in helping to shape the show’s content,” said Dr. Oz. *The Dr. Oz Show’s* medical unit is an interdisciplinary team of physicians, researchers, and medical students who ensure the information on the show is not only accurate but explained in a way that is most helpful to the viewer.

“This unorthodox experience allows brave students to get a behind-the-scenes look at the workings of health media,” said Michael Crupain, MD, MPH, Medical Unit Chief of Staff, who joined *The Dr. Oz Show* in 2015. Dr. Crupain oversees the show’s research unit and the recruitment of medical students. *“These experiences grant them a unique opportunity to better understand how to meet patients where they are on their health journey, motivate them, and explain complex health issues in a way that is easy to understand.”*

While Ms. Hays plans on applying to a traditional residency program after graduation, she also plans to continue working in media. *“Whether it is consulting on television shows or movies, continuing putting out content on my YouTube channel, or starting a health-related podcast, I hope to continue to use the media as a platform to share health information to the masses,”* she said. *“I think talking about health in the media can be a really powerful tool, and I hope to continue to explore that.”*



SIXTH ANNUAL

SCHOOL OF MEDICINE. UNIVERSITY OF MARYLAND A.D. MDCCLXXVII



Camp Cardiac Baltimore

LEARNING TOGETHER

As the program enters its sixth year, **Camp Cardiac Baltimore**, continues to inspire and provide high school students with an inside look at the field of medicine. Founded by a cardiothoracic surgeon and a group of medical students from St. Louis, Missouri in 2010, Camp Cardiac currently has programs in over 30 cities nationwide.

Camp Cardiac emphasizes team work and collaboration with a primary focus on the care and maintenance of the heart, as well as diet and exercise. However, individual camps have the ability to imprint their own stamp on the course, taking advantage of the uniqueness of the hosting institution.

Given the top notch resources that the University of Maryland Medical Center (UMMC) and the University of Maryland School of Medicine (UMSOM) offer, we have maintained an edge — recruiting over 100 high schools applicants throughout the state of Maryland, since 2012. This year, 29 high school students from Howard, Montgomery, and Baltimore counties spent a week in our medical teaching facilities, learning about heart health and careers in medicine.

The Camp’s activities have traditionally included CPR training, dissection of pig hearts, and suturing lessons. This year, camp participants visited the renowned R Adams Cowley Shock Trauma and participated in focused assessment sonography for trauma (FAST) at the UMMC’s MASTRI Simulation Center. UMSOM faculty also contributed lectures on nutrition, genetics, anatomy and physiology, and the “Stop the Bleed” Program.

Daphine Kwesiga and **Netsanet Woldegerima**, second-year medical students, served as this year’s Camp Co-Directors. Ms. Kwesiga and Ms. Woldegerima were responsible for the development and logistical organization of the program, recruitment of students and faculty teachers. They also will spearhead the process for next year, beginning in October.

“Throughout the planning and implementation of this camp, I was moved by the willingness and enthusiasm of our faculty and my fellow classmates who went above and beyond to ensure that the campers had a memorable experience. This vibrant and dynamic team was a great testimony to the power and benefits of collaboration.”

— Daphine Kwesiga



“I would have definitely benefited from a camp like this when I was in high school,” said Gregory Boyajian, a student volunteer, who shared how assisting in this year’s Camp Cardiac has provided a great opportunity to share his passions for anatomy and physiology. *“I am sure that many of the campers will be returning to the University of Maryland, Baltimore in the future as medical students or graduate students.”*

The 2018 program concluded with a special ceremony in which each student was presented with a graduation certificate from **Sandra Quezada, MD, MS**, Assistant Dean for Admissions and Assistant Dean for Academic and Multicultural Affairs. 

From Groundbreaking to Record-Breaking: 2018 State of School Address Celebrates Broad Successes



"The School of Medicine's ambitious agenda and momentum led us to climb new heights, which has resulted in the highest impact." With these remarks, UMSOM Dean E. Albert Reece kicked off the 2018 State of the School Address, *"From Groundbreaking Achievements to Record-Breaking Milestones."*

Adding to the day's festivities was a special virtual tour and ceremonial ribbon-cutting marking the opening of UMSOM's newest research building, Health Sciences Research Facility (HSRF) III. *"Today, we honor and celebrate a very significant milestone for the School of Medicine,"* noted Dean Reece, speaking to a standing-room-only crowd of faculty, staff, students, and top state and local officials in the school's Leadership Hall.

HSRF III is the largest facility of its kind in the entire University System of Maryland. The research building expands the UMSOM's footprint to nearly 2.5 million square feet, housing more than 400 personnel and generating an additional estimated \$107.4 million in annual research funding. *"Our entire academic community rose to the occasion. They imaged the unimaginable and worked relentlessly to bring this project to fruition."* said Dean Reece.



Maryland Governor Larry Hogan, Baltimore Mayor Catherine Pugh, Maryland State Treasurer Nancy Kopp, UMB President Dr. Jay Perman, as well as UMB, UMMS and UMMC leadership were in attendance to commemorate this historic event. *"With the addition of this incredible world-class facility, the state of Maryland and the School of Medicine will continue to shine as national and global leaders in innovation and next-generation medical technology,"* declared Governor Hogan.

SOMCelebration

Dean E. Albert Reece

Cordially Invites You to Attend the

*School of Medicine
Holiday Celebration*

Tuesday, December 4, 2018

4:00 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

E. Albert Reece, MD, PhD, MBA
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