

the PRESIDENT'S MESSAGE

MARCH 2018



The seeds of Women's History Month were sown in 1909, when 20,000 women and girls in New York City's garment district, most of them immigrants, walked out of their factories to protest low pay, long hours, and unsafe conditions. In the years that followed, women around the world used the spotlight of a single day — March 8 — to organize for the right to vote, the right to hold public office, to access vocational training, and to work without facing discrimination.

International Women's Day (which, in the U.S., has blossomed into Women's History Month) is as vital today as it was a century ago, for it's a time not only to honor women and their achievements but to train attention on the *continued* fight for equal access, equal pay, and equal rights.

UMB celebrates *Women's History Month* this year on March 28 with a tribute to the late Angela H. Brodie, PhD, professor emeritus in the Department of Pharmacology at the School of Medicine. An internationally renowned scientist, Dr. Brodie pioneered the development of aromatase inhibitors, which block the production of breast cancer-fueling estrogen and constitute one of the most important breakthroughs in treating breast cancer in post-menopausal women. Kevin Cullen, MD, director of the University of Maryland Greenebaum Comprehensive Cancer Center, says Dr. Brodie's work is equal to the greatest advances in treating breast cancer in the last 150 years.

Dr. Brodie's interest in breast cancer research began after attending a presentation on the radical mastectomy, which, into the 1970s, was the standard treatment for breast cancer. Horrified at what she considered the brutality of the procedure, Dr. Brodie believed there had to be something better for these women — that understanding the science behind the cancer could lead to less invasive treatment.

Dr. Brodie's work in aromatase inhibitors began in the 1970s, when she was one of very few women in academic science and had to fight to find an audience for her research. Fellow scientists found her work "obvious" and pharmaceutical companies thought it unnecessary. It was through sheer persistence that her experimental compound ever made it out of the lab. Dr. Brodie prepared small batches of the aromatase inhibitor at the School of Medicine and shipped the batches to London for a clinical trial. The rest, as they say, is history — women's history, medical history, human history.

Sharing personal remembrances of Dr. Brodie on March 28 and weighing in on the importance of her work will be Margaret McCarthy, PhD, Dr. Brodie's chair in the Department of Pharmacology; Yun Qiu, PhD, professor of pharmacology and for

many years a close colleague of Dr. Brodie; Ann Robbins, PhD, MS, president of Ann Robbins LLC, which helps companies move their drugs through the regulatory process and into clinical trials; and Carolyn Choate, a breast cancer survivor in long-term remission who's taking the drug developed by Dr. Brodie. (Ms. Choate organized a fundraiser for breast cancer research last summer, kayaking more than 300 miles from Port Jervis, N.Y., to Baltimore in honor of Dr. Brodie, the woman she says saved her life.)

Also on the panel is Laure Aurelian, PhD, professor of pharmacology in the School of Medicine. Dr. Aurelian is a contemporary of Dr. Brodie and the very first woman to earn a PhD from the Johns Hopkins School of Medicine. For much of their careers, Dr. Brodie and Dr. Aurelian found themselves the only women in the lab, two of just a handful more in all of U.S. pharmacology. Dr. Aurelian will speak about the unique and formidable challenges the two women faced as groundbreakers. She'll talk about how far women have come since she and Dr. Brodie helped shatter the glass ceiling in science and about the hard work we must still undertake to ensure that women in research have the same opportunities as men.

Certainly we owe a debt to pioneers like Dr. Brodie. Her leadership in the lab, when there were so few women like her; her insistence that her work be free to stand on its merits; her mission to ensure that more women are recruited and supported in science — all of these things paved the way for so many of our colleagues today.

Of course, #MeToo reminds us that we have far longer to go, that the fight to keep workplaces free from harassment and discrimination isn't over. We must level our attention on eradicating sexual abuse and exploitation, but not only that: We must eliminate, as well, the entrenched systems and structures that — to this day — inhibit wage equity for women and gender parity in positions of leadership, a power imbalance that too often keeps women (at all professional levels) subject to workplace bias and misconduct.

I hope to see you at our celebration of Women's History Month, as we honor the life and work of Dr. Brodie and support all the women whose ambitions she made possible.

Sincerely,

A handwritten signature in black ink that reads "Jay A. Perman". The signature is written in a cursive, slightly slanted style.

Jay A. Perman, MD
PRESIDENT

LAURELS

MARCH 2018

UNIVERSITYWIDE



BONNIE BISSONETTE

Bonnie Bissonette, EdD, director of education abroad and international safety, Center for Global Education Initiatives, addressed a group of 100 new international education leaders as part of the NAFSA: Association of International Educators' Washington Leadership Meeting. She was on a panel of senior international education leaders.



TONY NGUYEN

Tony Nguyen, MLIS, AHIP, technology/communications coordinator, National Network of Libraries of Medicine Southeastern/Atlantic Region, Health Sciences and Human Services Library, co-authored "Rising Stars Research Projects 2016-2017: Action Research to Improve MLA's Communities," which was published in *Hypothesis: Journal of the Research Section of the Medical Library Association* (MLA).



VIRGINIA ROWTHORN

Virginia Rowthorn, JD, LLM, executive director, Center for Global Education Initiatives, spoke on a panel at the American Council of Education's

Center for Internationalization and Global Engagement meeting on "Bridging the Local and the

Global" in Washington, D.C., and gave two talks on "What is Global Health Law?" at Dartmouth College's Dickey International Center.



JAMES WRIGHT

James Wright, MFA, multilingual writing specialist, UMB Writing Center, presented a proposal that was accepted by the annual conference of

the Mid-Atlantic Writing Centers Association, which will be held March 23-24 at Rowan University in Glassboro, N.J.

SCHOOL OF DENTISTRY



JOSE BOSIO

Jose Bosio, BDS, MS, clinical associate professor and director, Division of Orthodontics, was among the co-authors of two papers, "Tooth Loss

and Craniofacial Factors Associated with Changes in Mandibular Condylar Morphology," and "Immunohistochemical Analysis of IL-1 Receptor 1 in the Discs of Patients with Temporomandibular Joint Dysfunction," both of which were published in *Cranio* in January.

Gary Hack, DDS, clinical associate professor, Division of Operative Dentistry, was selected to present a poster titled "CAD/CAM Protocol for Fabricating Screw-Retained Implant Resin Provisions" at the 2018 American Association for Dental Research annual meeting in Fort Lauderdale, Fla.



RADI MASRI



MARY ANNE MELO



MICHAEL WEIR



HUAKUN XU

Radi Masri, DDS, MS, PhD, associate professor, Division of Prosthodontics, **Mary Anne Melo, DDS, MSc, PhD**, associate professor and director, Division of Operative Dentistry, **Michael Weir, PhD**, research assistant professor, and **Huakun Xu, MS, PhD**, professor and director, both of the Division of Biomaterials and Tissue Engineering, were among the co-authors of "Nanomagnetic-Mediated Drug Delivery for the Treatment of Dental Disease," which was published in the journal *Nanomedicine: Nanotechnology, Biology and Medicine*.



KATHRYN PAWLAK

Student **Kathryn Pawlak** received a GlaxoSmithKline Consumer Healthcare Preventive Dentistry award. The \$2,500 scholarship will be presented during the American Dental Education Association Annual Session and Exhibition in Orlando, Fla.

LAURELS ARE SUBMITTED BY THE COMMUNICATIONS DEPARTMENTS OF THE SCHOOLS AS WELL AS BY REPRESENTATIVES IN VARIOUS UNIVERSITYWIDE OFFICES. THE OFFICE OF THE PRESIDENT IS NOT RESPONSIBLE FOR ERRORS IN THESE SELF-SUBMITTED LAURELS.

LAURELS

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Abraham Schneider, DDS, PhD, associate professor, Department of Oncology and Diagnostic Sciences, was appointed to the editorial board of the *Journal of Dental Research* for 2018-2020. He also was appointed to the Government Affairs Committee of the American Association for Dental Research for 2018-2021.



MONICA SCHNEIDER

Monica Schneider, DDS, MS, clinical assistant professor, Department of Orthodontics and Pediatric Dentistry, was selected to

participate in the Professional Leadership Program for Women at Towson University. This program attracts women from across industry, government, and nonprofit sectors serving in a wide array of capacities within their organizations. It is designed for women who are committed to increasing their capacity for leadership.

CAREY SCHOOL OF LAW



LARRY GIBSON

Larry Gibson, JD, professor, was the guest speaker at the Greater Baltimore Committee's breakfast event "Celebrating the Life of Thurgood Marshall — A

Baltimore Hero" on Feb. 28.

Donald Gifford, JD, Jacob A. France Professor of Torts, presented a talk, "The South's Peculiar Response to Prevailing Tort Theory: 1965-1985," at the Association of American Law Schools Annual Meeting, Torts and Compensation Systems Section.



MICHAEL GREENBERGER

Michael Greenberger, JD, professor and founding director, Center for Health and Homeland Security, appeared on the WTOP television segment, "The Biggest

Mistakes in the Hawaii Missile-Alert Blunder."

Toby Guerin, JD, managing director, Center for Dispute Resolution, gave a talk on the topic of negotiation and consensus building for the Maryland State Bar Association's Leadership Academy Fellows.



DIANE HOFFMANN

Diane Hoffmann, JD, Jacob A. France Professor of Health Care Law and director, Law and Health Care Program, was quoted and her article, "The Girl Who Cried

Pain," was cited in *The Atlantic* in the segment "Larry Nassar and the Impulse to Doubt Female Pain."



MICHAEL MILLEMANN

Michael Millemann, JD, professor, **Rebecca Bowman-Rivas, MSW**, law and social work program manager, and **Elizabeth Smith, MSW**, forensic research

fellow, co-authored "Releasing Older Prisoners" in *Reforming Criminal Justice* by Erik Luna.

Paula Monopoli, JD, Sol & Carlyn Hubert Professor of Law and founding director, Women Leadership and Equality Program, gave a talk as part of the new program in scientific leadership at the School of Medicine.

Frank Pasquale, JD, MPhil, professor, wrote "*Un controle humain significatif sur la force algorithmique en tant que norme juridique internationale*" ("Significant Human Control over Algorithmic Strength as an International Legal Standard"), which was published in *Perspectives Libres*.

Robert Percival, JD, Robert F. Stanton Professor of Law and director, Environmental Law Program, wrote "International Environmental Law and the United States," which was published in the *Oxford Yearbook of International Environmental Law*.



AMANDA PUSTILNIK

Amanda Pustilnik, JD, professor, wrote "Legal Evidence of Subjective States: A Brain-Based Model of Chronic Pain Increases Accuracy and Fairness in Law,"

which was published in the *Harvard Review of Psychiatry*.



RENA STEINZOR

Rena Steinzor, JD, Edward M. Robertson Professor of Law, and **David Flores, JD '16**, wrote an op-ed, "Bay Jurisdictions' No-Action Climate Policy

Puts Restoration in Peril," which was published in the *Bay Journal*.

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DEBORAH WEIMER

A landlord-licensing bill, worked on by **Deborah Weimer, JD, LLM**, professor, and the **Landlord Tenant Clinic** (in conjunction with the Public Justice

Center and a variety of community organizations), was introduced before the Baltimore City Council.

SCHOOL OF MEDICINE

The following is a select list. For all the SOM laurels, visit www.somnews.umaryland.edu.



EDSON ALBUQUERQUE

Edson Albuquerque, MD, PhD, professor, and **Edna Pereira Albuquerque, PhD**, associate professor, both of the Department of Epidemiology and

Public Health; and **Rao Gullapalli, PhD, MBA**, professor, Department of Diagnostic Radiology and Nuclear Medicine, received a five-year, \$2,738,347 multi-PI grant from the National Institute of Environmental Health Sciences, National Institutes of Health for the project, “Targeting M1/M3 Muscarinic Receptors to Treat Gestational Pesticide Poisoning.”



ABDU F. AZAD

Abdu F. Azad, PhD, professor, Department of Microbiology and Immunology, was awarded a five-year, \$3,646,790 R01 grant from the National Institute of Allergy

and Infectious Diseases for the project “Murine Typhus: Vector Biology and Transmission.”



ANDREA BERRY



KAREN KOTLOFF

Andrea Berry, MD, assistant professor, Department of Pediatrics, and **Karen Kotloff, MD**, professor, Department of Pediatrics and head, Division of Pediatric Infectious Diseases and Tropical Medicine, were among the co-authors of “Antibody Responses Among Adolescent Females Receiving Two or Three Quadrivalent Human Papillomavirus Vaccine Doses at Standard and Prolonged Intervals,” which was published in *Vaccine*.



WILLIAM BLACKWELDER

William Blackwelder, PhD, professor, Department of Medicine, and senior biostatistician, was a co-author of “Comparison of a Novel Human

Rabies Monoclonal Antibody to Human Rabies Immunoglobulin for Postexposure Prophylaxis: A Phase 2/3, Randomized, Single-Blind, Non-inferiority, Controlled Study,” which was published in *Clinical Infectious Diseases*.

Mordecai P. Blaustein, MD, professor, Department of Physiology, wrote “The Pump, the Exchanger and the Holy Spirit: Origins and 40-Year Evolution

of Ideas about the Ouabain-Na+ Pump Endocrine System,” which was published in the *American Journal of Physiology-Cell Physiology*. This article, accompanied by an editorial, describes the origins of Blaustein’s 1977 hypothesis and the subsequent discoveries that led to the elucidation of a novel endocrine system.



MORDECAI P. BLAUSTEIN



JOSEPH CHEER

Joseph Cheer, PhD, professor, Department of Anatomy and Neurobiology, was the corresponding author on “Endocannabinoid Actions on Cortical Terminals

Orchestrate Local Modulation of Dopamine Release in the Nucleus Accumbens,” which was published in *Neuron*.



MIRIAM LAUFER

Lauren Cohee, MD, instructor, and **Miriam Laufer, MD**, associate professor, both in the Department of Pediatrics, were among the co-authors of

“Pilot Study of the Addition of Mass Treatment for Malaria to Existing School-Based Programs to Treat Neglected Tropical Diseases,” which was published in the *American Journal of Tropical Medicine and Hygiene*.

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Robert Daum, MD, CM, MSc, professor, Department of Medicine, Center for Vaccine Development, was among the co-authors of “Metabolic Mitigation of *Staphylococcus aureus* Vancomycin Intermediate-Level Susceptibility,” which was published in *Antimicrobial Agents and Chemotherapy*. He also was lead author on “A Trial of Antibiotics for Smaller Skin Abscesses,” which was published in the *New England Journal of Medicine*.



LOUIS DETOLLA

Louis DeTolla, VMD, MS, PhD, DACLAM, professor, departments of pathology, medicine, and epidemiology and public health, presented a seminar

at the University of Bologna in Italy. The topic of his talk was “Tryptophan, Cognition, and the Microbiome.”

Janine L. Good, MD, associate professor, Department of Neurology, founded the first Clinical Informatics Special Interest Group for the American Headache Society.

Bret Hassel, PhD, associate professor, Department of Microbiology and Immunology, participated in the first workshop on holistic review in graduate recruitment hosted at College Park. Hassel is a member of the University System of Maryland holistic review working group.

Ching-Ying Ho, MD, PhD, assistant professor, Department of Pathology, was honored with the 2018 Passano Foundation Clinician-Investigator Award for Career Development from the Passano Foundation and the School of Medicine.



JULIE HOTOPP

Julie Hotopp, PhD, associate professor, Department of Microbiology and Immunology, Institute for Genome Sciences, was a co-author of “The Complexities

and Nuances of Analyzing the Genome of *Drosophila ananassae* and Its *Wolbachia* Endosymbiont,” which appeared in *G3: Genes, Genomes, Genetics*.



NICOLE LEWIS (LEFT) ACCEPTS HER PRIZE BASKET FROM JINA BACCHUS OF HRS.

Nicole Lewis, a financial senior analyst in the school’s Office of Resource Management, was named UMB’s 2017 Launch Your Life Winner by Human Resource Services for attending nine or more Launch Your Life events. On Jan. 9 she received a prize basket valued at \$100.



MARY KAY LOBO

Mary Kay Lobo, PhD, associate professor, **Ramesh Chandra, PhD**, research associate, and **Michel Engeln, PhD**, postdoctoral fellow, all in the Department of

Anatomy and Neurobiology, were among the co-authors of “Drp1 Mitochondrial Fission in D1 Neurons Mediates Behavioral and Cellular Plasticity During Early Cocaine Abstinence,” which was published in *Neuron*.



KIRSTEN LYKE

Kirsten Lyke, MD, associate professor, Department of Medicine, and **Marcelo Sztein, MD**, professor, Department of Pediatrics, were co-authors

of “Long-Term Maintenance of CD4 T Cell Memory Responses to Malaria Antigens in Malian Children Coinfected with *Schistosoma haematobium*,” which was published in *Frontiers in Immunology*.

Kathleen Neuzil, MD, MPH, professor, Department of Medicine, and director, Center for Vaccine

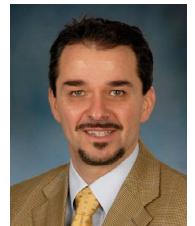
Development, was the speaker for the William Kirby Lectureship “Influenza Research: A Lesson in Humility,” at the University of Washington School of Medicine Division of Allergy and Infectious Diseases in Seattle.



KATHLEEN NEUZIL

Jacques Ravel, PhD, professor and associate director, genomics, and **Pawel M. Gajer, PhD**, research associate, both from the Department of Microbiology and Immunology and

the Institute for Genome Sciences, were among the authors of “A Retrospective Pilot Study to Determine Whether the Reproductive Tract Microbiota Differs Between Women with a History of Infertility and Fertile Women,” which was published in *Obstetrics & Gynecology*.



JACQUES RAVEL

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STEPHEN THOM

Stephen Thom, MD, PhD, professor, and **Ming Yang, MD, MS**, research associate, Department of Emergency Medicine, with colleagues from

Serbia, Croatia, and Canada, wrote the article “Disturbed Blood Flow Worsens Endothelial Dysfunction in Moderate-Severe Chronic Obstructive Pulmonary Disease,” which appeared in *Scientific Reports*.



MICHAEL WINTERS

Michael Winters, MD, associate professor, Department of Emergency Medicine, was selected to receive the 2018 Joe Lex National Educator of the Year Award

from the American Academy of Emergency Medicine (AAEM). This is AAEM’s highest honor for educational excellence and is the third national honor Winters has received.

SCHOOL OF NURSING

The school is one of 31 schools of nursing nationwide selected to receive a grant aimed to increase the number of nurses holding PhDs. The selected schools compose the fifth cohort of grantees of the Robert Wood Johnson Foundation Future of Nursing Scholars program, which provides financial support, mentoring, and leadership development to nurses who commit to earning their PhDs in three years. UMSON has received a \$150,000 grant to award two nursing students with this prestigious scholarship.

The school and Harford Community College (HCC) in Bel Air, Md., recently signed an agreement of dual admission that will ensure students’ seamless transition from HCC’s Associate Degree in Nursing (ADN) program to UMSON’s Bachelor of Science in Nursing (BSN) degree. Through the agreement, students can apply and be admitted to UMSON’s BSN program while in HCC’s ADN program.



The school has been accepted to the Maryland Green Registry, a free, voluntary program that offers tips and resources to help organizations set and meet their own sustainability goals. Members are required to demonstrate that they have shared information about a minimum of five environmental practices at their facility and must provide a measurable result for at least one of the practices.



LINDA COSTA

Linda Costa, PhD, BSN '76, RN, assistant professor, and **Eun-Shim Nahm, PhD '03, RN, FAAN**, professor and program director, Nursing Informatics

master’s specialty, presented “Best Practices in Care Coordination with Health IT” at the Mid-Atlantic Parish Nurse and Health Ministry Coordinator meeting in Frederick, Md.



ANGIE HINES ACCEPTS HER AWARD FROM DR. PERMAN.

Angie Hines, senior academic services specialist in the Office of Academic Deans, was honored as UMB’s Employee of the Month of January, winning praise for her work ethic, commitment to efficiency, and willingness to challenge the status quo.



ROSEMARIE DIMAURO SATYSHUR

Rosemarie DiMauro Satyshur, PhD, RN, assistant professor, presented “Family Caregiving and Long Term Care Supports” at the American Public Health

Association’s 2017 Annual Meeting and Public Health Expo in Atlanta.



KAREN WICKERSHAM

Karen Wickersham, PhD, RN, assistant professor, and students **Molly Crothers, Kendall Powell, Danielle Puth**, and **Miriam Weiss** were part of a research team

that examined targeted therapy use in patients with cancer, age 85 or older. The study was funded by the Gerontological Advanced Practice Nurses Association and the school’s Biology and Behavior Across the Lifespan (BBAL) Organized Research Center. Additionally, Crothers,

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Puth, and Weiss received an award for their poster presentation at the joint UMB Center to Advance Chronic Pain Research/BBAL Trainee Poster Session.

SCHOOL OF PHARMACY



CYNTHIA BOYLE

Cynthia Boyle, PharmD, professor, Department of Pharmacy Practice and Science, has received the Phi Lambda Sigma-Procter & Gamble National Leadership Award.

Cherokee Layson-Wolf, PharmD, associate dean of student affairs and associate professor, Department of Pharmacy Practice and Science, has received a Certificate of Recognition from the American Pharmacists Association-Academy of Pharmacy Practice and Management's Immunizing Pharmacists Special Interest Group.



C. DANIEL MULLINS

C. Daniel Mullins, PhD, professor and chair, Department of Pharmaceutical Health Services Research, has been named director of the Community and Collaboration

Core within UMB's Institute for Clinical and Translational Research.

Amanda Oglesby-Sherrouse, PhD, assistant professor, Department of Pharmaceutical Sciences, has received a two-year, \$108,000 grant from the Cystic Fibrosis Foundation for "Iron Regulation of CF Lung Pathogen Interactions."



EBERE ONUKWUGHA

Ebere Onukwugha, PhD, associate professor, Department of Pharmaceutical Health Services Research, and executive director, Pharmaceutical

Research Computing Center, has been named associate director of the Biostatistics Core within UMB's Institute for Clinical and Translational Research.

Fadia Shaya, PhD, professor, Department of Pharmaceutical Health Services Research, has been named associate director of the Informatics Core within UMB's Institute for Clinical and Translational Research.



CHARLES SUMMERLIN

Student **Charles Summerlin** has received a Student Leadership Award from the American Pharmacists Association-Academy of Student Pharmacists.

SCHOOL OF SOCIAL WORK

Jodi Jacobson Frey, PhD, MSW, associate professor, is a co-author of "Training Youth Services Staff to Identify, Assess, and Intervene When Working with Youth at High Risk for Suicide," which was published in *Children and Youth Services Review*.

Brook Kearley, research assistant professor, is a co-author of "The Impact of Residential Change and Housing Stability on Recidivism: Pilot Results from the Maryland Opportunities through Vouchers Experiment (MOVE)," which appeared in the *Journal of Experimental Criminology*.



NALINI NEGI

Nalini Negi, PhD, MSW, associate professor, was selected to share the most important ideas facing social work research and practice at the Society for Social

Work and Research annual conference in Washington, D.C. In the Brief and Brilliant session, Negi discussed her research with Latino immigrant day laborers and the role of social workers in advocating for socially just immigration policies.

Clark Shah-Nelson, MA, assistant dean for instructional design and technology, was the keynote speaker at the Online Learning Consortium Collaborate Conference, which gathers online learning professionals to address the opportunities and challenges in online higher education today. Shah-Nelson addressed "From Manuals to Micro-credentials and Nanodegrees: Developing, Opening and Sharing Organizational Knowledge."

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WENDY SHAIA



NADINE
FINIGAN-CARR

Moving from Survival to Fulfillment: A Planning Framework for Community Schools, written by **Wendy Shaia, PhD**, executive director of the Social Work Community Outreach Service at the school, and **Nadine Finigan-Carr, PhD**, research assistant professor, has been published by Phi Delta Kappan.

Corey Shdaimah, PhD, LLB, LLM, associate professor, and **Bethan McGarry, MSW '17**, wrote a new paper published in the *British Journal of Social Work*. "Social Workers' Use of Moral Entrepreneurship to Enact Professional Ethics in the Field: Case Studies from the Social Justice Profession" explores how social workers maneuver within the challenging landscape of service delivery to achieve better outcomes for clients.



JENNIFER
SWANBERG

Jennifer Swanberg, PhD, MMHS, professor, presented a paper at the by-invitation-only Current and Emerging Trends in Aging

and Work Conference — an event sponsored by the Alfred P. Sloan Foundation and the University of Miami Center on Aging. Her paper, "Multiple Layers of Vulnerability: Older Workers Employed in Low-Wage Jobs," highlighted key findings from a narrative review exploring the consequences of low-wage job conditions on the health and well-being of older workers.



MIESHA WILLIAMS

Miesha Williams, web developer, has received a 2018 Grow with Google, Developer Challenge Scholarship in the program's web developer track.

QUARTERLY Q&A with Dr. Perman

WEDNESDAY
March 7, 2018

12:30 p.m. | School of Pharmacy, Room 103

Please join me as I answer questions from students, staff, and faculty. Everyone is welcome to attend.



ACCOUNTABILITY | CIVILITY | COLLABORATION | DIVERSITY | EXCELLENCE | KNOWLEDGE | LEADERSHIP

GRANTEES DISCUSS EXPERIENCES ABROAD



DR. PERMAN AND GRANTEES (CLOCKWISE, FROM LEFT) EMILY HEIL, KIM GRANINGER, CHELSEA MCFADDEN, SALAM SYED, TAYLOR LILLEY, RHIYA DAVE, AND ROBERT PERCIVAL.

The steak in Botswana is “really, really good” and inexpensive, perhaps because they have 3 million cows there and only 2 million people. Nigerian women are remarkably open to new self-administered screening tools for cervical cancer. Malawi has five sewage treatment plants; only one is working to full capacity. The Jordan River in Israel has receded almost into a stream.

These are among the observations of the 2017 grantees from the UMB Center for Global Education Initiatives as they held an annual recap on Jan. 29 in the President’s Boardroom. Prodded by questions from UMB President Jay A. Perman, MD, the grantees not only spoke about their two- to six-week interprofessional research projects, but also the program’s influence on reshaping their future professional and personal goals.

Students Kim Graninger of the School of Nursing and Rhiya Dave of the School of Medicine discussed their project, “Clinical outcomes of HIV-positive individuals treated with *dolutegravir*-containing regimens in Botswana.” The students examined 1,200 files looking for adverse reactions to the antiretroviral therapy.

“I’m interested in doing travel nursing after I get my degree,” Graninger said. “I’d like to go back to Botswana and South Africa where HIV is such a huge health crisis.” There is much to learn from countries like Botswana, which has one of the highest rates of HIV but also one of the most effective and comprehensive treatment programs.

Dave, who aspires to become an infectious disease physician, found it “enlightening to see how the nurses there not only looked at the patients and their health outcomes, but they also would talk to them about their families.”

Experiencing the system of universal health care practiced in Botswana up close also brought a new perspective to the two students, which Perman and Virginia Rowthorn, JD, LLM, executive director of the center, said is a strength of the grant program.

“Students come back from these trips with things that they would have never figured out here,” Perman said. “That’s why I appreciate all of you taking on these experiences.”

TEAMING UP AGAINST HIV

Chelsea McFadden, a School of Pharmacy student, was part of a team studying barriers to the new “Treat All” approach to HIV/AIDS treatment (treating all patients and removing conditions for initiation of antiretroviral therapy) in Rwanda and its capital city, Kigali.

“We did see quite a few barriers that were very common,” McFadden said. Pressed for details, she added, “There weren’t as many cultural barriers in terms of stigma as I expected, but barriers such as financial situations or concerns over revealing infidelity that prevent people from receiving treatment.”

Salam Syed, a second-year student at the School of Medicine, also learned about the social determinants of health in her monthlong project, “Impact of educational intervention on self-sampling for cervical cancer screening in Nigeria.” She was on a team looking to see if women in Nigeria were willing and able to collect their own cervical samples for cervical cancer screening.

“They were fine with it,” Syed told the group, “and they thought it was very easy. Some would come to us afterward to volunteer their time, saying, ‘If you need us to teach other people how to do it, sign us up.’”

A follow-up study Syed is involved in with the Institute of Human Virology Nigeria (IHVN, an outgrowth of UMB’s own IHV) will measure if self-sampling is as reliable as health care provider sampling.

She said the experience was transforming. “I’ve always been interested in women’s health and I am interested also in global health, and this experience solidified that for me,” Syed said. “But also there was a huge education component to our project, and I never really thought of myself as wanting to be a health educator, but I really enjoyed that aspect. I think that’s something I’d want to incorporate more into my career now.”

Syed was based in the Nigerian capital of Abuja, where IHVN has its headquarters. “We find that our students benefit greatly

from the deep expertise found among local researchers and health care providers at the IHVN facility in Abuja,” explained Bonnie Bissonette, EdD, director of education abroad and safety at UMB. “There is an amazing infrastructure there where the students live and learn with U.S. and Nigerian colleagues.”

Working with local health care providers also was part of the project led by School of Pharmacy assistant professor Emily Heil, PharmD, BCPS, “Antibiotic administration at the University Teaching Hospital, Lusaka, Zambia.” Heil’s group, which included pharmacy, nursing, and medical students, spent time in a Zambian hospital laboratory compiling a massive amount of data about antibiotic prescription practices and microbiology data. “We used Year 1 of our project to identify the challenges in slowing antimicrobial resistance,” Heil said, “and then we’re going back next year to work on a comprehensive antibiotic guideline for the folks on the ground in Zambia.”

Heil, who says in the United States the “No. 1 problem preventing patients with HIV from having their virus suppressed is a lack of medication adherence,” found the Zambian culture much different. “There, medication compliance is high, but you have other problems that contribute to the problem,” she said. “It was a good way to study the comparative cultural components of the same public health problem. Plus Zambia is beautiful. We went during the dry season, so it was 70 degrees and sunny every day.”

WATER WORRIES

Robert Percival, JD, MA, professor and director of the Environmental Law Program at the Carey School of Law, and law student Taylor Lilley found a less lush setting for their Israel research project, “Governance, capacity and safety for an off-grid water project in Jerusalem.”

“It was an interesting project because we spent a lot of time focusing on the availability of water,” Lilley said. “They’re trying to do a Red Sea/Dead Sea project, which would move water from the Dead Sea into the Red Sea to increase water. That’s problematic because the Dead Sea has receded significantly. We stood on the steps of a previously oceanfront restaurant and couldn’t see the Dead Sea for miles ... and the Jordan River has diminished into a small stream.”

Percival recalled the evolution of the project. “For the first project, we visited various sites in Israel and the West Bank. Then, in the second and third trips, we had multidisciplinary teams from the School of Public Health [at College Park], our School of Nursing, the business school [at College Park], and the Carey School of Law,” he said. “The public health and nursing students looked at ensuring that the recycled water would be safe. The law students looked at regulatory barriers to expanding greywater recycling projects and the business students — who turned out to be real all-stars — looked at the economics of it. They asked, ‘How can you make this model cheap enough so that it could be readily used elsewhere?’”

The great surprise, Percival said, came at a UMB-UMCP summit after the second Israel trip. “It turned out Amy Sapkota from the School of Public Health was putting the finishing touches on a \$10 million grant proposal to USDA, and the one component she was missing was legal expertise on the regulatory issues. So UMB got plugged into the grant and received the grant.”

Water also played a role in the other study Percival and Lilley discussed, “Malawi: Environmental Law Clinic Capacity Building at Chancellor College Faculty of Law.” The project last summer was at the request of professor Chikosa Banda, LLB, LLM, of the University of Malawi Chancellor College Faculty of Law, an international expert in human rights and environmental law.

“They have just launched the Environmental Justice and Sustainability Clinic there,” Percival said.

He said the need is dire. “There are five sewage treatment plants in Malawi, which is one of the most densely populated countries in Africa. Only one plant is working, and they took us to a site where there’s a broken pipe spewing raw sewage into a river that people use downstream to bathe and clean their clothes in. There are really serious issues there that haven’t been tackled to this point.”

Malawi has been a UMB project site since 2010, which started with malaria research and over the years has expanded to include a concentration on law because of the Center for Global Education Initiatives’ primary focus on interprofessional collaboration. The Malawi collaboration has taken UMB faculty and students there as well as brought Malawian faculty and research staff to Baltimore. It’s a practice of partnership and bi-directional learning that Flavius Lilly, PhD, MA, MPH, associate vice president of Academic and Student Affairs, said he hopes will continue.

“I’m so pleased these experiences have been so enriching for our students,” said Lilly, who also was joined by Bruce Jarrell, MD, FACS, UMB’s executive vice president and provost. “I think back to my experience studying abroad for six months and how it changed me completely. I can see it on some of the students’ faces today that they’ve been changed by the experience as well.

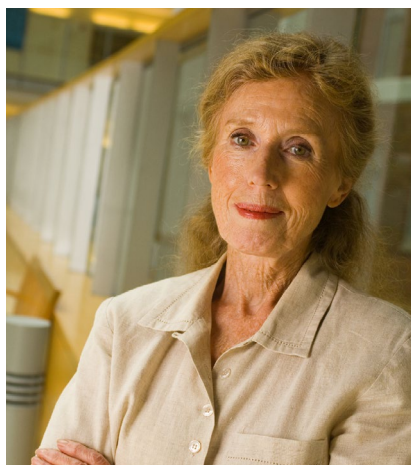
“I hope that we continue to have conversations about how we can take the work of the Center for Global Education Initiatives and make these opportunities available to many, many more of our students who, as you know, Dr. Perman, have been asking for those kinds of opportunities,” Lilly said.

— Chris Zang

The Center for Global Education Initiatives grants are \$5,000 for faculty grantees and cover student grantees’ airfare, which is the most expensive aspect of international projects. To learn more about the grants, click [here](#). To read more about the projects, click [here](#).

UNIVERSITY OF MARYLAND, BALTIMORE CELEBRATES

WOMEN'S HISTORY MONTH



“The Life and Legacy of Angela H. Brodie, PhD”

*Former Professor Emeritus, Department of Pharmacology
University of Maryland School of Medicine*

Developer of aromatase inhibitors for the treatment of breast cancer

WEDNESDAY, MARCH 28

Noon - 1:30 p.m.

Westminster Hall, 519 W. Fayette St.

A light lunch will be served.

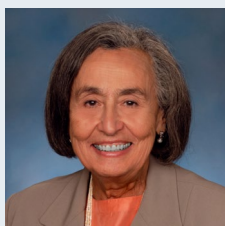
Featuring a panel of distinguished leaders in breast cancer research and advocacy.

MODERATOR

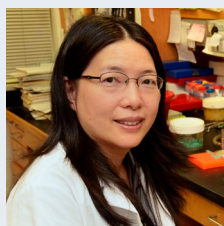


Margaret M. McCarthy, PhD
*Professor and Chair
Department of Pharmacology
University of Maryland
School of Medicine*

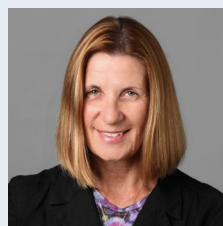
PANEL MEMBERS



Laure Aurelian, PhD
*Professor
Department of
Pharmacology
University of Maryland
School of Medicine*



Yun Qiu, PhD
*Professor
Department of
Pharmacology
University of Maryland
School of Medicine*



Ann Robbins, PhD
*President
Ann Robbins LLC
Regulatory
Consulting Services*



Carolyn Choate
Survivor and Advocate

**To honor Dr. Brodie, and to help in the fight against breast cancer, please consider a donation to:
The Drs. Angela and Harry Brodie Distinguished Professorship in Translational Cancer Research**

Gifts are administered by the University of Maryland Baltimore Foundation, Inc., a 501(c)(3) organization, and are tax deductible to the extent allowed by law.

UMBrella events are open to all UMB faculty, staff, and students.

REGISTER TODAY

www.umaryland.edu/whm

DIVERSITY

MARCH 2018

MLK EVENT REVISITS PROTESTS PAST AND PRESENT

Pamela V. Hammond, RN, PhD, ScD (hon), MS '78, FAAN, ANEF, entertained a crowd at UMB's Black History Month celebration Feb. 1 with her presentation "Would Dr. Martin Luther King Jr. Take a Knee?"

And she didn't mention the National Football League once.

Instead, Hammond, a 1978 alumna of the University of Maryland School of Nursing who went on to leadership positions at Hampton University and Virginia State University, focused on examples of peaceful resistance by Dr. King and her own experiences with racism.

"A simple act, kneeling during the national anthem, changed everything," Hammond said. "It transformed [quarterback] Colin Kaepernick into a lightning rod and a powerful symbol of activism and resistance. During the Montgomery bus boycott [in the 1950s] Dr. King was referred to as a lightning rod. There were other lightning rods throughout history," she said, listing the likes of Crispus Attucks, Harriet Tubman, Booker T. Washington, Malcolm X, Thurgood Marshall, and Muhammad Ali.

Hammond, who heads The Hammond Group, LLC, a higher education consulting firm, and is a senior consultant for AGB Institutional Strategies, experienced racism herself when her mother, who was raising seven children on her own, moved the family from New York to Mobile, Ala., to live with her parents.

The move was quite a shock to Pamela, 10, who had known integrated schools and public places in New York and now was in the Deep South with grandparents who had lived under Jim Crow laws. A trip downtown with her grandmother to buy new shoes opened her eyes wider.

"I saw two water fountains. One was labeled white and one was labeled colored and I just had to see! So I ran over to turn on the white one and I ran over to turn on the colored one. Next thing I know I was gripped by my neck, and I saw something I had never seen on my Mama Cassie's face. I saw horror, I saw pain, I saw her eyes going back and forth scanning the area. I stammered, 'I was just trying to see what colored water looked like!'" Hammond recalled, eliciting laughter from the 300-plus gathered in UMB's Medical School Teaching Facility Leadership Hall.

Turning serious, Hammond added, "She got close to my face and she said, 'Child, you're going to have to learn your place.' Needless to say, we had a very quiet ride home."

It wasn't the last time Hammond would encounter racism. She told the crowd about "a small white woman" undergraduate instructor at Tuskegee University who greeted Hammond's class with, "I just want

to tell you before the semester begins that colored girls don't get A's in my class." Determined to "make a liar out of her," Hammond said, "when I got my A that boosted my confidence."

She needed the boost when she came to the School of Nursing at UMB and began a complicated relationship with the chair of maternal child health nursing Mary Neal, PhD, RN, FAAN. After having to rewrite several papers for what she saw as racist reasons, Hammond confronted Neal and told her she wouldn't be back next semester.



PAMELA HAMMOND MAKES A POINT DURING HER ENLIGHTENING BLACK HISTORY MONTH PRESENTATION.

"Dr. Neal said, 'OK, but I want you to do one thing. Keep that paper and when you change your mind, you call me.'"

Hammond did so, recognizing and correcting the flaws in her paper en route to earning her master's at the School of Nursing as Neal became her "cherished mentor" and "biggest cheerleader." That training and a PhD at Old Dominion University led Hammond upward.

As dean of the School of Nursing at Hampton University, she rolled out the first PhD nursing program ever established at a historically black institution.

When promoted to provost of Hampton University, she opened access to higher education by launching Hampton U, the university's first-ever online program. She secured \$40 million for research, scholarships, programs, and endowments.

When she was selected interim president of Virginia State University, she turned around an \$18 million deficit and ended the year with a surplus.

Today, Hammond is proud of her life's work helping the disenfranchised and the underserved. "My Mama Cassie would have been proud that this child learned her place," Hammond said.

Continued from previous page



THE CURE SCHOLARS LEADERSHIP TEAM WITH DR. PERMAN: ROBIN SAUNDERS, LAUREN KAREEM, AND BORNDAVID MCCRAW.

She urged those in the audience to follow her lead.

“This room is filled with health care professionals, lawyers, social workers, and others sworn to do no harm,” she said. “Have you thought about doing something about racism in America? About the poor and disadvantaged? Baltimore has 277 diverse neighborhoods. Surely you can find a place where you can serve.”

UMB President Jay A. Perman, MD, implored action as well in his welcoming remarks on the 50th anniversary year of Dr. King’s death. “This day is an affirmation — an affirmation that there is strength in our diversity, courage in our compassion, and leadership in our service. We still have work to do, of course — hard work. As a University, as a state, as a nation, we are not done.”

The University also presented its annual Diversity Recognition Awards, chosen by UMB’s Diversity Advisory Council.

Bret Hassel, PhD, associate professor at the School of Medicine, won the Outstanding UMB Faculty Award for his dedication to increasing the diversity of students pursuing biomedical and scientific careers, including 16 programs at the School of Medicine.



BRET HASSEL ACCEPTS HIS AWARD FROM DR. PERMAN WITH JAMES KAPER, SENIOR ASSOCIATE DEAN, SCHOOL OF MEDICINE.

Tiffany Otto, a fourth-year student at the School of Dentistry, was named Outstanding UMB Student for organizing Universitywide forums where students could gather to discuss local and national events that have galvanized — and polarized — people.

The leadership team of the UMB CURE Scholars Program, a pipeline initiative that will lead children from three Baltimore City middle schools into rewarding STEM and health care careers, earned the Outstanding UMB Staff Award. (Read more about all three award winners [here](#).)



TIFFANY OTTO ACCEPTS HER AWARD FROM DR. PERMAN WITH SCHOOL OF DENTISTRY DEAN MARK A. REYNOLDS.

The celebration also included two songs from the Union Baptist Church Senior Choir. Shorthanded because of illness, they asked for and received vocal support from the audience.

Hammond earlier had tied up the theme of the event by answering the question she began with, “Would Dr. Martin Luther King Jr. Take a Knee?”

She offered: “In 1964, Dr. King was recognized internationally with the Nobel Peace Prize, largely because of his non-violent stance in support of the rights of all people. As far as I’m concerned, that Nobel Peace Prize winner would have respected the non-violent movement started by Kaepernick in response to the death sentences and other violences that are being committed against people by those in authority.

“Would he have taken a knee at a football game? That’s anybody’s guess. But I do believe he would have started a march, and at the end of that march, everybody would have been on their knees.”

See the [video](#) and [pictures](#) from this event.

— Chris Zang

PUBLICSAFETY

MARCH 2018



CROSS WITH CAUTION

With warmer weather around the corner, our thoughts turn to getting outside more often and taking a walk, whether it's here at the University or once we get home. To do so safely, experts advise pedestrians to use crosswalks and wait for the signal to change before entering intersections.

Pedestrian accidents occur regularly across the country, but in metropolitan areas such as UMB's downtown location, they are especially prevalent.

Cpl. J.R. Jones, safety awareness officer in the UMB Department of Public Safety, urges caution even at intersections with traffic signals. "Just because the light has changed doesn't mean the driver will stop," Jones says. "Oftentimes they hit the gas to beat the light. So pedestrians should see the car stop before they enter the street."

Doing otherwise can be tragic. The Centers for Disease Control and Prevention (CDC) points out that pedestrians are 1.5 times more likely than passenger vehicle occupants to be killed in an accident. It happens more often than you may think. In 2015, 5,376 pedestrians were killed in traffic accidents in the United States and another 129,000 were injured, the CDC says.



SO WALK SMART AND FOLLOW THESE SAFETY TIPS:

1. Always Use Crosswalks

Cross at marked crosswalks when one is available. You forfeit your rights as a pedestrian if you cross elsewhere.

2. Obey Pedestrian Signals When Crossing

Even when the sign indicates it is safe to walk, always look both ways and look and listen before crossing the street.

3. Never Assume a Driver Sees You

Just because you see an oncoming driver does not mean he/she sees you. Make certain the driver sees you and stops before stepping off the curb.

4. Look Before Walking Past Stopped Vehicles

Do not cross just because a driver waves you on. Be sure that all lanes are clear first.

5. If a Sidewalk Exists, Use It

If there is no sidewalk and you must walk on the road, always walk facing traffic, so you can see oncoming traffic.

6. Walk, Don't Run

Running into the street increases the danger that motorists will not see you, or will not be able to stop in time.

7. Wait for the Light

Don't take the chance. Crossing when cars are stopped is always safer.

8. No Headphones, Earbuds, or Texts

It's safer to hear what's going on around you. Distractions are dangerous.

For more safety tips, visit www.umaryland.edu/publicsafety/.

— Chris Zang and Dana Rampolla