

the PRESIDENT'S MESSAGE

SEPTEMBER 2019



OUR BIOPARK COMES OF AGE

The last few months, many of the local headlines about our BioPark have centered on the building soon going up at the corner of Baltimore Street and Martin Luther King Jr. Boulevard, what we've nicknamed our Gateway building for the effect we hope it will have on West Baltimore: opening up the community to capital development and catalyzing private and public investment in an area that's long struggled to attract it.

The 10-story, 300,000-square-foot tower at 4 Martin Luther King Jr. Blvd. will be the largest commercial building with an MLK address. Housing labs and offices, it will nearly double the multi-tenant space offered in the BioPark (already Baltimore's biggest biotech cluster), and it will allow us to consolidate in one building our work to commercialize faculty inventions and to support startups and early-stage companies — our own ventures, as well as others throughout the city and state. In fact, as a way to accelerate growth in Maryland's thriving entrepreneurial community, about one-third of the building will be reserved for small technology companies.

The new building wasn't, however, the only BioPark story to score headlines during the spring and summer. In April, news broke that BioPark tenant Paragon Bioservices would be acquired for \$1.2 billion by Catalent, a leading biologic drug manufacturer. *Paragon* is an industry leader in gene therapy and cancer immunology, one of the fastest growing biopharmaceutical markets.

Already one of our best tenant success stories, Paragon is adding employees at its BioPark headquarters, as well as at two brand new manufacturing facilities in Anne Arundel and Montgomery counties. All told, Paragon will employ 600-plus Marylanders by the end of the calendar year, and its founder Marco Chacon, PhD, head of industry alliances at UMB, is already eyeing his next venture in the BioPark.

To me, that's the real story here: that our BioPark is home to leading biomedical companies — companies that are, in turn, serving some of the biggest pharma and technology corporations around the globe. Take, for instance, Beijing-based *Pharmaron*, one of the world's fastest growing biotech companies. It's already a global leader in contract R&D services, helping companies run complex phase 1 and 2 clinical trials. Last year, Pharmaron acquired a majority stake in SNBL-CPC, our very first BioPark tenant, and the company is expanding its revenues, employment, and space in

our BioPark. It's also expanding collaboration with the School of Medicine's Center for Vaccine Development and Global Health.

Or how about genomics company *Illumina*, by far the largest seller of DNA sequencing machines? The company generates more than 90 percent of the world's sequencing data. For its first East Coast commercial location, Illumina didn't just choose Baltimore; it chose our BioPark. It chose to be close to our School of Medicine's Institute for Genome Sciences.

In the company's 13,000-square-foot demonstration center, Illumina will train hundreds of customers every year on its equipment. These visitors will spend several days in our BioPark. They'll see the park's innovation ecosystem, how the companies interact with one another and with UMB, how they find intersections in their work and make opportunities to collaborate. That's the BioPark story, a story we think these visitors might share with their colleagues across the country and around the world. We think it's a story that could put our BioPark on the short list when companies are looking to expand.

But of course these visitors will see more than our BioPark. They'll see our city. They'll see the communities in which we're engaged. They'll see the vibrancy and beauty and opportunity that national media dissecting our challenges seldom convey. And so our BioPark can be an ambassador, too, not just for a city that leads in bioscience R&D, but for a city that needs attention and investment, and needs it now.

I guarantee that attention will come. You simply *can't* ignore this community of innovators and doers who are, right now, discovering the next generation of therapeutics. BioPark tenant *Gliknik* just entered phase 3 trials for its second drug candidate, this one a therapeutic vaccine to prevent recurrence of high-risk oral cancer — cancer that proves fatal to seven in 10 people who get it a second time. *KaloCyte* — founded by Allan Doctor, MD, whom the School of Medicine recruited to head its new Center for Blood Oxygen Transport and Hemostasis — will take up residence in the BioPark once the Gateway building opens. The company is developing artificial red blood cells for use when stored blood products are unavailable or undesirable.

We want *everyone* to be a part of this exciting community we're building. So we're talking with Baltimore City Community College (BCCC) to expand our BioPark-based training partnership, the Life Sciences Institute (LSI), to disciplines beyond

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biomedicine. As we attract more health informatics companies into the BioPark (like *b.well*), we'll need a workforce skilled in IT — in programming, coding, and problem-solving. Through LSI, our tenant companies provide customized, on-the-job training to BCCC students, so that their skills are tested and honed in the real world of biotech. We look forward to seeing how we can maximize students' experiences and opportunities in a range of health careers.

The BioPark we have today — 14 acres, dozens of companies, 1,000 employees, cranes soon dotting the sky — was one we envisioned 15 years ago, before we ever ventured across MLK Boulevard and saw a community of science in a collection of vacant lots. But we're far from finished. Because the BioPark of our dreams is a catalyst for transformative investment throughout West Baltimore by startups, and corporations, and innovators, and entrepreneurs all betting that *our* community — *our* city — is the hottest place to be.

Sincerely,



Jay A. Perman, MD
PRESIDENT



RENDERING OF THE BIOPARK'S GATEWAY BUILDING AT 4 MARTIN LUTHER KING JR. BLVD.

QUARTERLY Q&A

with Dr. Perman

TUESDAY

Sept. 17, 2019

10 a.m. to 11 a.m. | School of Social Work Auditorium

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

This session will include updates on matters of importance to UMB and an open forum.

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

LAURELS

SEPTEMBER 2019

UNIVERSITYWIDE

The following UMB faculty members have been elected to the Faculty Senate.

OFFICERS

President: **Joshua Abzug**, School of Medicine (SOM)

Vice president: **Oksana Mishler**, School of Dentistry (SOD)

Secretary: **Deborah Cartee**, SOD

Parliamentarian: **Isabel Rambob**, SOD

NEW SENATORS

Jose Bosio, SOD; **Cynthia Boyle**, School of Pharmacy (SOP); **John Cagle**, School of Social Work (SSW); **Svetlana Chapoval**, SOM; **Amy Daniels**, School of Nursing (SON); **Sarasi Desikan**, SOM; **Sandeep Devabhakthuni**, SOP; **Lori Edwards**, SON; **Sarah Edwards**, SOM; **Roy Film**, SOM; **Steven Fletcher**, SOP; **Arthur Hu**, SOM; **Michael Kallen**, SOM; **Raymond Kim**, SOM; **Terry Shaw**, SSW; **Uni Wong**, SOM

The following people completed the yearlong Emerging Leaders Program, a professional development initiative at UMB geared toward examining universal principles of leadership with application to the culture of the University.



THE EMERGING LEADERS GRADUATES

Sarah Allen, School of Medicine (SOM); **Irene Amoros**, SOM; **Ayamba Ayuk**, School of Nursing (SON); **Christina Baker**, Health Sciences and Human Services Library; **Glenn Canares**, School of Dentistry (SOD); **Katrina Davis**, SOM; **Karla Evans**, Human Resources (HR); **Heidi Fancher**, Research and Development; **Carrie Gould-Kabler**, School of Social Work (SSW); **Jade Grant**, Graduate School; **Justin Hanna**, SSW; **Vanessa Harrington**, HR; **Edward Healy**, SOM; **Kathryn Lamp**, SON; **Carey Martin**, SOM; **Amanda Miller**, SSW; **Vanessa Pigatt**, SON; **Meg Robertson**, School of Pharmacy; **Rosemarie Satyshur**, SON; **Abraham Schneider**, SOD; **Maggi Smith**, SOM; **Mishawn Smith**, SON; **Yaw Tweneboah-Koduah**, HR; **Leilani Uttenreither**, Graduate School; **Hope Wallace**, Communications and Public Affairs.

Every fall we dedicate Founders Week to commemorating UMB's rich history and to celebrating the future we're building together. Among the highlights is recognizing the extraordinary work of our faculty and staff. Here are the recipients of our 2019 Founders Week Awards, which will be presented at the Gala on Oct. 26.

ENTREPRENEUR OF THE YEAR



ROBERT K. ERNST

Robert K. Ernst, PhD
*School of Dentistry
Professor and Vice
Chair, Department
of Microbial
Pathogenesis*

PUBLIC SERVANT OF THE YEAR

Michelle G. Giglio, PhD
*School of Medicine
Associate Professor,
Department of
Medicine
Academic and
Outreach
Coordinator,
Institute for
Genome Sciences*



MICHELLE G. GIGLIO

RESEARCHER OF THE YEAR



DAVID C. GRAY

David C. Gray, JD, PhD, MA
*Francis King Carey
School of Law
Jacob A. France
Professor of Law*

EDUCATOR OF THE YEAR

Francis B. Palumbo, PhD, JD, MS
*School of Pharmacy
Professor,
Department of
Pharmaceutical
Health Services
Research
Executive Director,
Center on Drugs and Public Policy*



FRANCIS B. PALUMBO

Read more about them [here](#).

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Michael Noll, MS, senior consultant, organization and employee development, Human Resources, is one of six College and University Professional Association for Human Resources (CUPA-HR) members who have been selected to participate in the 2019-2020 Emerging CUPA-HR Leaders program. The program recognizes volunteer leaders from across the country who have demonstrated exemplary leadership and initiative within higher ed HR and wish to advance the profession.



DENNIS PAFFRATH

Dennis Paffrath, MBA, associate vice president, sponsored programs administration, Office of Research and Development, received the Julia Jacobsen

Distinguished Service Award from the National Council of University Research Administrators (NCURA) at its annual meeting on Aug. 5 in Washington, D.C. This award recognizes individuals who have made distinctive contributions to NCURA and the profession of research administration.

Officer **Yale Partlow**, a member of the UMB Police Department's Campus Outreach and Support Team, was named UMB Employee of the Month for August for his efforts to connect homeless people in the area to needed services and to educate the University community on how to interact with and help this population.

M.J. Toocy, MLS, AHIP, FMLA, associate vice president, Academic Affairs, executive director, Health



YALE PARTLOW (WITH PLAQUE) POSES WITH DR. PERMAN AND UMB POLICE COLLEAGUES INCLUDING CHIEF ALICE CARY (RIGHT) AND LEXI THE COMFORT DOG.

Sciences and Human Services Library, and director, National Network of Libraries of Medicine Southeastern/ Atlantic Region,

received the Best Workshop Award from the European Association of Health and Information Libraries for her workshop, "Meaningful and Strategic Alignment: A Roadmap for Library Success."



M.J. TOOXY

(NNLM) Data Thesaurus Advisory Board. The board is charged with monitoring, maintaining, updating, and promoting the *NNLM Data Thesaurus*.

Brian Zelip, MSLIS, MA, emerging technologies librarian, Health Sciences and Human Services Library, participated in the panel "Unexpected Partners: Maryland Libraries Leading Through Collaboration," at the Maryland Information Literacy Summit in July. Also in July, Zelip presented "Build a Back End! Build a Front End! A Guided Hands-On Tour of Modern Web Development Tools and Concepts" at the Towson Conferences for Academic Libraries.



BRIAN ZELIP



LAUREN WHEELER

Lauren Wheeler, MSLIS, information services librarian, Health Sciences and Human Services Library, was selected for a one-year term on the National

Network of Libraries of Medicine

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SCHOOL OF DENTISTRY



MARY BETH
AICHELMANN-REIDY

Mary Beth Aichelmann-Reidy, DDS, division chief of periodontics and clinical associate professor, Department of Advanced Oral Sciences and

Therapeutics, is the 2019 recipient of the Lucy Hobbs Taylor Award, the American Association of Women Dentists' (AAWD) highest honor. The award will be presented at AAWD's 98th Annual Conference, to be held Sept. 26-29 in Phoenix.



WILLIAM F. HOFFMAN
JR.

William F. Hoffman Jr., MAS, administrator, Department of Advanced Oral Sciences and Therapeutics, was designated as an SRA International

Distinguished Faculty by the Society of Research Administrators (SRA). The SRA International award honors those "who continually distinguish themselves as exemplary teachers, scholars, and practitioners in the field of research management and administration."



MARY ANNE MELO

Mary Anne Melo, DDS, MSc, PhD, associate professor, Division of Operative Dentistry, was lead author on "A Novel Dental Sealant Containing

Dimethylaminohexadecyl

Methacrylate Suppresses the Cariogenic Pathogenicity of Streptococcus mutans Biofilms," which was published in the *International Journal of*

Molecular Sciences. SOD co-authors included PhD candidates **Maria Ibrahim, BDS, CAGS, MDS, MPH**, and **Abdul Balhaddad; Michael D. Weir, PhD**, research assistant professor, and **Huakun Xu, MS, PhD**, professor and chair, both of the Division of Biomaterials and Tissue Engineering; and **Thomas W. Oates, DMD, PhD**, professor and chair, Department of Advanced Oral Sciences and Therapeutics.



MARIA IBRAHIM



NORBERT MYSLINSKI

Norbert Myslinski, PhD, associate professor, Department of Neural and Pain Sciences, was the keynote speaker at the annual neuroscience conference that

he founded in 2005. Held at the Penn State College of Medicine, the conference attracted students from 39 states who competed for the right to represent the United States at the world conference in South Korea.



DAVID SEMINOWICZ

David Seminowicz, PhD, associate professor, Department of Neural and Pain Sciences, was recently awarded two National

Institutes of Health (NIH) grants: "Separate and Combined Effects of Mindfulness Meditation and Savoring on Pain-Related Corticostriatal Function," for \$2.1 million from the National Center for Complementary and Integrative Health and "Validation of a Novel Cortical Biomarker Signature for Pain," for \$1.7 million from the National Institute of Neurological Disorders and Stroke.



VIVEK THUMBIGERE
MATH

Vivek Thumbigere Math, BDS, PhD, assistant professor, Division of Periodontics, received the 2019 Sigmund Socransky Young Investigator Award at the American

Association for Dental Research/ International Association for Dental Research conference in Vancouver, Canada. The honor recognizes promising young investigators in the field of periodontology.



THE SCHOOL'S STUDENT NATIONAL DENTAL ASSOCIATION CONTINGENT CELEBRATES.

The school's chapter of the **Student National Dental Association** (SNDA) was awarded second place (in the large chapter division) at the 106th annual National Dental Association meeting in Washington, D.C. The

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honor marks the sixth consecutive year that the SOD SNDA chapter has placed first or second. The honor recognizes chapters that excel in fundraising, community service, and new initiatives.

GRADUATE SCHOOL



ERIN HAGAR POSES WITH DR. PERMAN AND GRADUATE SCHOOL COLLEAGUES (FROM LEFT) MARY JO BONDY, CHRISTINA CESTONE, AND SHARON GILLOOLY.

Erin Hagar, MA, MFA, senior instructional designer, was honored as UMB's Employee of the Month for June for her stellar efforts in course creation and implementation in the burgeoning field of online learning.

CAREY SCHOOL OF LAW



DEBORAH EISENBERG

Deborah Eisenberg, JD, professor and director, Center for Dispute Resolution, discussed "Using Dispute Resolution Skills to Teach

Current Events" at the Southeastern Association of Law Schools Annual Conference in Boca Raton, Fla.

Sarah Everhart, JD, research associate and legal specialist, Agriculture Law Education Initiative, presented on the panel "The Basics of Land Use Law," at the Environmental Law Institute in Washington, D.C.

Donald Gifford, JD, professor, co-authored *2019-3 Cumulative Supplement, Harper, James and Gray on Torts*.



DONALD GIFFORD

Sara Gold, JD, clinical law instructor, presented "HIV Criminalization" at the Pediatric AIDS and Star Track Adolescent Health Programs at the University of Maryland School of Medicine.



LEIGH GOODMARK

Leigh Goodmark, JD, professor and co-director, Clinical Law Program, wrote "Stop Treating Domestic Violence Differently From

Other Crimes," which was published in *The New York Times*.



MICHAEL GREENBERGER

Michael Greenberger, JD, professor and director, Center for Health and Homeland Security, wrote "Too Big to Fail — U.S. Banks' Regulatory

Alchemy: Converting an Obscure Agency Footnote into an 'At Will' Nullification of Dodd-Frank's

Regulation of the Multi-Trillion Dollar Financial Swaps Market," which was published in the *Journal of Business and Technology*.

Toby Guerin, JD, clinical law instructor and managing director, Center for Dispute Resolution, presented "Mediator Mistakes, Missteps, and

Bad Decisions," at the Center for Alternative Dispute Resolution annual conference in Greenbelt, Md.

Kathleen Hoke, JD, professor and director, Legal Resource Center for Public Health Policy, was a guest on the "Kojo Nnamdi Show" discussing "How Are New Laws Affecting Smokers in the Region?"



SEEMA KAKADE

Seema Kakade, JD, assistant professor and director, Environmental Law Clinic, presented on the panel "The Leadership of Women in

Developing U.S. Environmental Law and Policy: What They Did, What It Meant, and Where It Is Going," at the Environmental Law Institute, in Washington, D.C.

Sherri Keene, JD, associate professor and director, Legal Writing Program, presented "Lessons from *Green Book*: A Movie Critique of the Fourth Amendment's All Too Familiar Plotline," at the Seventh Biennial Applied Legal Storytelling



TOBY GUERIN

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Conference, at the University of Colorado Wolf Law School.

William Moon, JD, assistant professor, presented “Delaware’s New Competition” at the Society of Asian Scientists and Engineers conference, “Markets, Firms and Institutions,” at The New School in New York City.



FRANK PASQUALE

Frank Pasquale, JD, MPhil, professor, was appointed co-chair of the Subcommittee on Privacy, Security, and Confidentiality at the June meeting

of the National Committee on Vital and Health Statistics, advising the secretary of the Department of Health and Human Services.



ROBERT PERCIVAL

Robert Percival, JD, professor and director, Environmental Law Program, won the 2019 Distinguished Achievement in Environmental Law and Policy

Award from the American Bar Association.



AMANDA PUSTILNIK

Amanda Pustilnik, JD, professor, presented “Brain-Computer Interfaces and the Law: What’s Now? What’s Next?” at the National Center

for Adaptive Neurotechnologies, in Albany, N.Y.

Natalie Ram, JD, assistant professor, presented “Ethical Considerations in Big Data in Medicine: The Problem of De-Identification,” at the National Academy of Medicine’s 2019 Emerging Leaders Forum in Washington, D.C.

David Sidhu, JD, visiting professor, was appointed to the Gucci Changemakers Council.



RENA STEINZOR

Rena Steinzor, JD, professor, wrote “Cost-Benefit Analysis According to the Trump Administration,” which was published in *Regulatory Review*.

Lydia Watts, JD, executive director, Rebuild, Overcome and Rise (ROAR) Center, was a guest on the Greater Baltimore Community Housing Resource Board radio show and shared information on the UMB ROAR Center and help for victims of crime.

SCHOOL OF MEDICINE

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



CYNTHIA BEARER

Cynthia Bearer, MD, PhD, professor, division chief of neonatology, Department of Pediatrics, was honored by the Women in Neonatology group at Nemaclin in Farmington, Pa.



MAUREEN BLACK

Maureen Black, PhD, John A. Scholl, MD, and Mary Louise Scholl, MD, Professor in Pediatrics, and postdoctoral fellows **Angela Trude, PhD**,

and **Bridget Armstrong, PhD**, all from the Department of Pediatrics, co-authored an invited commentary “Prenatal WIC Participation: A Step Toward Human Capital Development,” which was published in *JAMA Pediatrics* on July 1.



MARY BOLLINGER

Mary Bollinger, DO, professor, Department of Pediatrics, was among the co-authors of “Fostering Effective Asthma Self-Management Transfer in High

Risk Children: Gaps and Opportunities for Family Engagement,” which was published in the *Journal of Pediatric Health Care* on June 25.



WILLIAM CARPENTER

William Carpenter, MD, professor, Department of Psychiatry, was named the 2019 SIRS Lifetime Achievement Awardee by the Schizophrenia

International Research Society (SIRS). Founded in 2005, SIRS brings together scientists from around the world to exchange the latest advances in biological and psychosocial research in schizophrenia.

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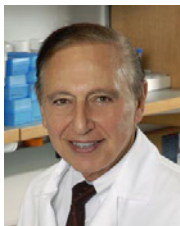


STEPHEN N. DAVIS

Stephen N. Davis, MBBS, Dr. Theodore E. Woodward Chair in Medicine, UMB vice president for clinical translational science, and director of the

University's Institute for Clinical and Translational Research, was lauded in a campuswide letter from Dr. Perman about UMB and Johns Hopkins University winning a coveted Clinical and Translational Science Award from the National Institutes of Health.

Read the letter.



ROBERT GALLO

Robert Gallo, MD, the Homer & Martha Gudelsky Distinguished Professor in Medicine and director, Institute of Human

Virology, received

the International Society for Antiviral Research (ISAR) Award of Excellence and presented "Human Retroviruses (HTLV-1 and HIV): Current Therapy and Prevention" during the 32nd International Conference on Antiviral Research in Baltimore.



CHRISTOPHER JEWELL

Christopher Jewell, PhD, associate professor, Department of Microbiology and Immunology, received a four-year, \$1,602,366 grant from the National

Institute of Allergy and Infectious Diseases to use biomaterials to

improve compliance in patients receiving immunotherapy.



STEPHANIE KNIGHT

Stephanie Knight, MD, assistant professor, was given the Attending Physician Colleague Award at the Nurses Week Awards Ceremony.

She was nominated by her nursing colleagues and peers for her dedication to her role and her level of personalized care for patients.



MARTA LIPINSKI



CHINMOY SARKAR

Marta Lipinski, MD, associate professor, and **Chinmoy Sarkar, PhD,** research associate, both of the Department of Anesthesiology, were among the co-authors of "The PARK10 Gene USP24 Is a Negative Regulator of Autophagy and ULK1 Protein Stability," which was published in *Autophagy*.



JACQUES RAVEL

Jacques Ravel, PhD, professor, Department of Microbiology and Immunology, and associate director of genomics, Institute for Genome Sciences, was among the co-authors of "Natural History,

Dynamics, and Ecology of Human Papillomaviruses in Genital Infections of Young Women: Protocol of the PAPCLEAR Cohort Study," which was published in *BMJ Open* on July 11.



WILLIAM REGINE RECEIVES HIS AWARD FROM DESTINY-SEMONE RAMJOHN, DIRECTOR OF COMMUNITY HEALTH FOR KAISER PERMANENTE, AND THOMAS BADEN JR., EDITOR OF *THE DAILY RECORD*.

William Regine, MD, FACR, FACRO, Isadore & Fannie Schneider Foxman Chair, Department of Radiation Oncology, and executive director, Maryland Proton Treatment Center, received a Lifetime Achievement Award at *The Daily Record's* Health Care Heroes banquet June 27.



MARCELO SZTEIN

Marcelo Sztein, MD, professor, Department of Pediatrics, was awarded a five-year, \$2.84 million R01 grant from the National Institute of Allergy and Infectious

Diseases for "Immune Mechanisms of Protection in *S. Typhi* infection."

Emerson Wickwire, PhD, associate professor, Departments of Psychiatry and Medicine, received a two-year, \$2 million award through a joint partnership with the U.S. Army Medical Research and Development

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EMERSON WICKWIRE

Command and the Medical Technology Enterprise Consortium. The funding will support the development of mobile sleep therapies for military service members with sleep disorders.

Natalie Zlebnik, PhD, postdoctoral fellow, Department of Anatomy and Neurobiology, was awarded a \$1,061,248 K99/R00 Pathway to Independence grant from the National Institute on Drug Abuse for “Effects of Exercise on Dopaminergic Mechanisms of Cocaine Relapse.”

SCHOOL OF NURSING

The school’s **Nurse Leadership Institute (NLI)** announced the 2019-20 class of NLI fellows. This fifth cohort of 35 nurse educators and clinicians from throughout Maryland, selected through a competitive application process, will participate in a yearlong leadership development program designed to prepare nurse faculty and practitioners to assume leadership positions, facilitate collaborative partnerships between academia and practice, and improve health outcomes for Maryland residents.

Four faculty members have been awarded Nurse Support Program II grants totaling more than \$2.5 million. The grants include: **Susan L. Bindon, DNP ’11, MS ’95, RN-BC, CNE, CNEcl**, assistant professor and director, Doctor of Nursing Practice (DNP) post-master’s option (\$264,677 over two years); **Margaret Hammersla, PhD, CRNP-A**, assistant professor and senior



SUSAN L. BINDON



MARGARET HAMMERSLA



VICTORIA L. SELBY



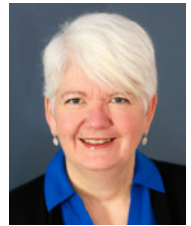
REBECCA WISEMAN

director, DNP program (\$121,972 over three years); **Victoria L. Selby, PhD, CRNP-PMH, PMHNP-BC**, assistant professor (\$137,408 over one year); and **Rebecca Wiseman, PhD ’93, RN**, associate professor and chair of SON at the Universities at Shady Grove (\$1,912,767 over five years).

Nine SON alumni will be inducted as 2019 American Academy of Nursing (AAN) fellows in October and four alumni were inducted as 2019 American Association of Nurse Practitioner (AANP) fellows in June. AAN fellows include **Maheer M. El-Masri, PhD ’03, MS ’98; Katie Huffling, MS ’06; Linda Jacobs, BSN ’77; Deborah A. Lafond, DNP ’12, BSN ’80; Kimberly Sue McIltrout, MS ’96; Marla Oros, BSN ’84; Lynelle N.B. Pierce, MS ’86; Darryl W. Roberts, MS ’02, BSN ’01; and Cynthia Divens Sweeney, BSN ’76**. Inducted into AANP were **James Brothers, MS ’03, BSN ’95; Donna Lester, MS ’94, BSN ’90; Maureen Mzoriarty, MS ’85, BSN ’79; and Kimberly Sue McIltrout. John Bing, CRNA**, a SON Board of Visitors member who was

instrumental in establishing the school’s nurse anesthesia program, also will be inducted as an AAN fellow.

Debra Bingham, DrPH, RN, FAAN, associate professor, will join the Maternal and Infant Health Expert Workgroup in September to help establish priorities in improving the quality of care in maternal and infant health, including ways to reduce infant mortality, pregnancy-related mortality, and severe maternal morbidity.



DEBRA BINGHAM



HANNAH MURPHY BUC



KATHLEEN MARTIN BUC



GINA C. ROWE



MARY PAT ULICNY

In July, **Hannah Murphy Buc, MSN, RN, CNE**, clinical instructor; **Kathleen Martin, DNP, RN, CNE**, assistant professor; **Gina C. Rowe, PhD ’13, DNP ’10, MPH, FNP-BC, PHCNS-BC, CNE**, assistant professor; **Mary Pat Ulicny, MS ’11, MHA, RN, CNE, CHSE**, clinical instructor; and **Janet Armstead Wulf, DNP ’19, MS ’06, RN, CNL, CHPN, CNE**,

LAURELS

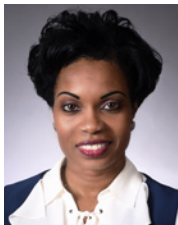
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assistant professor, each received a \$5,000 Academic Nurse Educator Certification award from the Nurse Support Program II, which provides funding for faculty who have achieved or maintained the National League for Nursing's Certified Nurse Educator credential.



JANET ARMSTEAD WULF

Students **Samantha Davidson**, **Maya Kindane**, and **Esther Ana Rosa** have been selected to participate in the Conway Nursing Pathway Program with Children's National Hospital, beginning this summer. The program was made possible by a \$1 million gift from Bill and Joanne Conway to the hospital to encourage careers in pediatric nursing.



JACQUELINE MITCHELL

Jacqueline Mitchell, MS '07, CRNA, director of clinical education, delivered the keynote speech at the Veterans Affairs Maryland Health Care

System Nursing Service Academic Achievement Graduation in June.



CAROL O'NEIL

Carol O'Neil, PhD, RN, CNE, associate professor, and **Matt Rietschel, MS**, assistant professor and



MATT RIETSCHEL

assistant dean for information and learning technology, were among the co-authors of the book *Developing Online Courses in Nursing Education*. Rietschel and



JOANNE PINNA

Joanne Pinna, MS, senior instructional technology specialist, authored the poster "The Effect of Implementing ExamSoft in a Large, Complex Nursing School." Pinna presented the poster and a PechaKucha, a storytelling format, at the Educational Assessment Conference 2019 ExamSoft Conference in Montreal.



LIBBY ZAY ACCEPTS HER PLAQUE FROM DR. PERMAN WITH NURSING COLLEAGUES GIORDANA SEGNERI (RIGHT) AND DEAN JANE M. KIRSCHLING.

Libby Zay, MFA, senior marketing and digital media specialist, was named UMB's July Employee of the Month for her standout work in revamping the school's website, managing its social media accounts, and providing marketing support for University schools and departments.

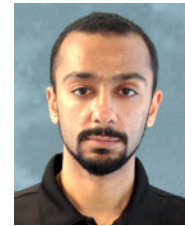
SCHOOL OF PHARMACY

Nicole Brandt, PharmD, professor, Department of Pharmacy Practice and Science, and executive director, Peter Lamy Center on Drug Therapy and Aging, received a four-month, \$48,500

contract from the American Society of Consultant Pharmacists for "Understanding Patient Preferences Regarding Multimed Packaging."



NICOLE BRANDT



DANIEL DEREDGE

Daniel Deredge, PhD, postdoctoral fellow, Department of Pharmaceutical Sciences, won the Best Poster Award at the 2nd International Conference on Hydrogen Deuterium Exchange Mass Spectrometry in Banff, Canada.



SANDEEP DEVABHAKTHUNI

Sandeep Devabhakthuni, PharmD, associate professor, Department of Pharmacy Practice and Science, has been named president-elect of the Maryland Society of Health-System Pharmacy.

Alison Duffy, PharmD, associate professor, Department of Pharmacy Practice and Science, has received the Maryland Society of Health-System Pharmacy's Excellence Award.



ALISON DUFFY

Agnes Ann Feemster, PharmD, assistant professor, Department of Pharmacy Practice and Science, and

LAURELS

SEPTEMBER 2019

assistant dean of experiential learning, received the Maryland Society of Health-System Pharmacy's 2019 Medication Safety Award.



MOJDEH HEAVNER

Mojdeh Heavner, PharmD,

assistant professor, Department of Pharmacy Practice and Science, has been appointed to a three-year term as associate

editor of the *American Journal of Health-System Pharmacy*. She's also been named a fellow of the American College of Critical Care Medicine.

Emily Heil, PharmD, assistant professor, Department of Pharmacy Practice and Science, has been appointed as the pharmacist representative to the Infectious Diseases Society of America's Sepsis Task Force.



LISA LEBOVITZ

Lisa Lebovitz, JD, assistant dean of assessment and academic affairs, has been appointed to the American Association of Colleges of Pharmacy's Pharmacy College

Admissions Test Advisory Committee.



RAYMOND LOVE

Raymond Love, PharmD, professor, Department of Pharmacy Practice and Science, has received the following from the Maryland Department of Health — a

three-year, \$18,597,647 contract for

“Pharmacy Services”; a five-year, \$5,179,933 contract for “Peer Review Program for Mental Health Drugs in Children and Adolescents”; a two-year, \$1,710,167 contract for “Antipsychotic Prescription Review Program.”



ASHLEE MATTINGLY

Ashlee Mattingly, PharmD, assistant professor, and **Kristin Watson, PharmD,** associate professor, both of the Department of Pharmacy Practice and Science, have been named

Outstanding Reviewers by the *Journal of the American Pharmacists Association*.

Student **Jacquelyn McRae, PharmD, MS,** has been selected for AcademyHealth's Diversity Scholars Network.



JACQUELYN MCRAE

Kathleen “Katy” Pincus, PharmD, assistant professor, Department of Pharmacy Practice and Science, received the Maryland Pharmacists Association's Excellence in Innovation Award.



KATHLEEN “KATY” PINCUS

Student **O'Mareen Spence** has received a two-year, \$50,000 grant from the PhRMA Foundation for “Early



O'MAREEN SPENCE

Symptom Improvement as a Predictor of Antidepressant Response in Youth Diagnosed with Depression: Translating Evidence from Randomized Controlled Trials to Community Practice.”



LINDA SIMONI-WASTILA

Linda Simoni-Wastila, PhD, the Parke-Davis Chair of Geriatric Pharmacotherapy and professor, Department of Pharmaceutical Health Services Research, received

a two-year, \$218,840 contract from Novartis for “Novartis Outcomes Research Fellowship.”

Chanel Whittaker, PharmD, associate professor, Department of Pharmacy Practice and Science, has received an

eight-month, \$16,246 contract from the Veterans Affairs (VA) Maryland Health Care System for “Baltimore VA Patient Safety Center of Inquiry.”



CHANEL WHITTAKER

Angela Wilks, PhD, the Isaac E. Emerson Professor in the Department of Pharmaceutical Sciences, received a five-year, \$945,637 contract from the National Institutes of Health for “Iron-Based Vaccine Development Against Bacterial Pathogens.”



ANGELA WILKS

LAURELS

SEPTEMBER 2019

SCHOOL OF SOCIAL WORK



JOHN CAGLE

John Cagle, PhD, associate professor, is a co-investigator of a new five-year National Institute on Aging grant to test an intervention to improve advance care planning among early-stage dementia patients in primary care.

Christine Callahan, PhD, has been promoted to research associate professor.



CHRISTINE CALLAHAN



JAIH CRADDOCK

Jaih Craddock, PhD, assistant professor, has been awarded a 2019 Changemakers in Family Planning Training Grant from the Society of Family Planning Research

Fund. The aim of the grant award is to provide dedicated support for awardees to develop their research skills and leadership in the field of family planning research.



BRUCE DEFORGE

Bruce DeForge, PhD, associate professor, is a co-author of “What Motivates People with Substance Use Disorders to Pursue

Treatment? A Patient-Centered Approach to Understanding Patient Experiences and Patient-Provider Interactions,” which was published in the *Journal of Substance Use*.

Melissa Edmondson Smith, PhD, assistant professor, is the lead author of “A Quick Scoping Review of Psychosocial Treatment

Recommendations for African Americans with Schizophrenia Spectrum Disorders,” which was published in the *Journal of Ethnic and Cultural Diversity in Social Work*.



MELISSA EDMONDSON SMITH



CHARLOTTE BRIGHT

Alumna **Lisa Fedina, PhD '18**, and **Charlotte Bright, PhD**, associate dean for doctoral and postdoctoral education, are co-authors of “An Ecological

Analysis of Risk Factors for Runaway Behavior Among Individuals Exposed to Commercial Sexual Exploitation,” which appeared in the *Journal of Child & Adolescent Trauma*.



JODI FREY

Jodi Frey, PhD, associate professor, presented research and best practices for reducing stigma and suicide among working-aged men during the first national virtual summit

sponsored by the National Business Group on Health.



LAURIE GRAHAM

Laurie Graham, PhD, assistant professor, has been named to the editorial board of the *Journal of Family Violence*. Graham also is lead author of “Evaluations

of Prevention Programs for Sexual, Dating, and Intimate Partner Violence for Boys and Men: A Systematic Review,” which was published in *Trauma, Violence & Abuse*.



ALLISON HEPWORTH

Postdoctoral fellow **Allison Hepworth, PhD**, was the first-place winner in the nutrition translation topical area at the American Society for Nutrition's

Emerging Leaders in Nutrition Science Poster Competition. This event recognizes the highest scoring research abstracts submitted by students and young investigators.



ERIC JACKSON

The National Association of Social Workers-Maryland Chapter has named adjunct faculty member **Eric Jackson, MSW**, as its Social Worker of the Year for 2019.

Brook Kearley, PhD, research assistant professor, is the lead author of “The Impact of Drug Court Participation on Mortality: 15-Year Outcomes from a Randomized Controlled Trial,” which was published by the *Journal of Substance*

LAURELS

SEPTEMBER 2019

Abuse Treatment. SSW co-authors include **John Cosgrove, MSW**, senior research analyst, and **Alexandra Wimberly, PhD**, assistant professor.

Wimberly also is a co-author of “Effects of Social Support and 12-Step Involvement on Recovery Among People in Continuing Care for Cocaine Dependence,” which was published in *Substance Use & Misuse*.



ALEXANDRA WIMBERLY



IRANG KIM

Postdoctoral fellow **Irang Kim, PhD**, and **Sarah Dababnah, PhD**, assistant professor, co-authored “Appreciation of the ‘Subtle

Changes’: Perspectives of Korean American Parents Raising Children with Developmental Disabilities,” which was published in the *Journal of Developmental and Physical Disabilities*.

Julia Kobulsky, former postdoctoral fellow, associate professor **Bethany Lee, PhD**, students **Emily Goering** and **Catherine Moon**, associate dean **Charlotte Bright, PhD**, and alumna **Chelsea Gray, MSW ’19**, are co-authors of “Virtual Coaching for Child Welfare Workers – A Tool to Promote Learning,” which appeared in the *Journal of Public Child Welfare*.

PhD student **Kerry Lee** is a co-author of “Understanding IPV Perpetration Among Young Jamaican Men: The Role of Socialization and Attitudinal Factors,” which was published in the *Journal of Interpersonal Violence*.



KERRY LEE



RACHEL MARGOLIS

PhD candidate **Rachel Margolis** is lead author of “Fostering Effective Asthma Self-Management Transfer in High-Risk Children: Gaps and Opportunities for

Family Engagement.” Co-authored by associate professors **Melissa Bellin, PhD**, and **Kathryn Collins, PhD**, the article was published in the *Journal of Pediatric Health Care*.

Marlene Matarese, PhD, has been promoted to clinical associate professor.

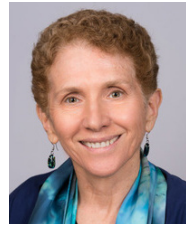


NALINI NEGI

Nalini Negi, PhD, associate professor, PhD student **Patrice Forrester**, and alumna **Marilyn Calderon, MSW ’18**, are among the co-authors of “We Are at

Full Capacity: Social Care Workers Persisting Through Work-Related Stress in a New Immigrant Settlement Context in the United States,” which was published in *Health and Social Care in the Community*.

Shoshanna Ringel, PhD, associate professor, wrote “Developmental Trauma and Unresolved Loss in the Adult Attachment Interview,” which was published in the journal *Attachment*. She also contributed “The Role of Ethnicity and Culture in the Long-Term Treatment of Childhood Trauma” to the book *Reflections on Long-Term Relational Psychotherapy and Psychoanalysis*.

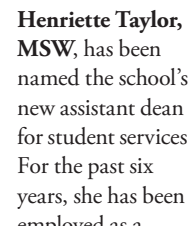


SHOSHANNA RINGEL



WENDY SHAI A

Wendy Shaia, EdD, MSW, has been promoted to clinical associate professor.



HENRIETTE TAYLOR

Henriette Taylor, MSW, has been named the school’s new assistant dean for student services. For the past six years, she has been employed as a clinical instructor working in the school’s Promise Heights program.

Susan Westgate, MBA, MSW, LCSW-C, clinical instructor, presented a national webinar in collaboration with Health Quality Innovators titled “A Trauma-Informed Vision of Health Equity.”



SUSAN WESTGATE

UMB IS CELEBRATING **ENVIRONMENTAL SERVICES WEEK**

SEPT. 8-14



Thanks to Environmental Services for all its staff do each day to make UMB a clean place to work and study. Whether it's gathering trash, wiping down counters, cleaning up spills, or other duties, they do it professionally and with a smile. Be sure to thank your Environmental Services professional for their hard work and dedication.

ENVIRONMENTAL SERVICES



UMB
welcomes
YOU

CAMPUS LIFE SERVICES
Welcome Events

FALL FEST

MUSIC, GAMES, PRIZES & GIVEAWAYS!

Friday, Sept. 6 | 11 a.m. - 2 p.m.

Outside the SMC Campus Center

For more information, visit umaryland.edu/welcome

INFORMATICS

SEPTEMBER 2019

SUMMER INSTITUTE FOCUSES ON VALUE-DRIVEN CARE

A survey of more than 800 hospital nurses in 2014 found that one of the things they wanted most was reduced documentation.

The journey to a solution was long and arduous but worth it, Jane Englebright, PhD, RN, CENP, FAAN, senior vice president and chief nursing executive at HCA Healthcare, said in describing the new evidence-based clinical documentation (EBCD) system to an audience at the University of Maryland School of Nursing (UMSON).

“I had to bulldoze my way through a few things,” Englebright said as keynote speaker at the 29th annual Summer Institute in Nursing Informatics (SINI) July 16-19. “And part of the way I did that was saying, ‘This is what our nurses need to give great care to patients. And it will save them time.’ That is totally how I sold it.”

Among the new strategies deployed was to eliminate documentation not needed in the patient record, including an inventory of the patient’s belongings, the number of times nurses washed their hands, safety measures defined by policy, and routine explanations of care processes. Also, decisions about what needs to be documented would be based on two criteria: it is meaningful to patient care or it is necessary for regulatory or billing requirements.

A pilot of the new EBCD approach resulted in 93 percent of nurses reporting increased time at bedside.

EBCD “helps them have more time at the bedside and less time in front of a computer, to the point that there are sometimes no nurses in the [nurses] station, because they’re all with patients,” said Englebright, whose HCA Healthcare manages facilities, including 185 hospitals and 119 freestanding surgery centers in 21 states and in the United Kingdom (U.K.), and oversees 94,000 registered nurses. “This is truly transforming the delivery of care.”

SINI attracted more than 230 leaders in health care informatics from around the globe, including China and the U.K., who convened for educational programming and networking opportunities. An additional 48 joined the conference via a live-stream webcast.

Just prior to Englebright’s keynote, UMSON Dean Jane M. Kirschling, PhD, RN, FAAN, welcomed attendees to SINI

and reflected on this year’s theme, “Health Care Informatics: A Catalyst for Value-Driven Care Transitions.”

“I am struck by how timely it is and how much we truly need deeper conversations around the topical areas reflected in this year’s program,” she said. “At a time of such rapid evolution in our health care system, it is essential that we continue to explore the ways in which data can support and foster much-needed care coordination, ensure the delivery of value-based services, and support and enhance the overall quality of care delivery.”



JANE ENGLEBRIGHT



THE SUMMER INSTITUTE IN NURSING INFORMATICS (SINI) ATTRACTED MORE THAN 230 LEADERS FROM AROUND THE GLOBE, INCLUDING CHINA, TO THE SCHOOL OF NURSING.

UMSON became the first school in the world to offer a master’s specialty in nursing informatics in 1989, and the program has been ranked No. 1 in the nation for the past five years according to *U.S. News & World Report’s* “America’s Best Graduate Schools.” UMSON also was the first school in the nation to offer a PhD program with a nursing informatics concentration, beginning in 1991. UMSON’s nursing informatics programs, including a post-baccalaureate certificate, prepare nurses to improve patient care and outcomes through the development, implementation, and evaluation of information technology.

— Office of Communications and Public Affairs

Read more about the Summer Institute in Nursing Informatics and see a video.

PROUD TO **WORK HERE.**
PROUD TO **GIVE HERE.**



FAST FACTS

The “**PROUD TO WORK HERE. PROUD TO GIVE HERE.**” campaign is a Universitywide awareness and fundraising effort that invites faculty and staff to show their pride with a gift to the UMB school, scholarship, program, fund, or cause that matters most to them. Our inaugural year was a great success!

Thank you to all who participated — you have a lot to be PROUD of.

\$731,418

received

in gifts and
pledge payments

10%

employee participation

growing by two-thirds from
four years earlier

221

funds

supported

AREAS SUPPORTED:

*student scholarships
and endowments*

professorships

research activities

public service projects

institutional programs

areas of greatest need

FISCAL YEAR 2019 (July 1, 2018, to June 30, 2019)



685
DONORS

\$398

average fiscal year
gift amount

\$50

most frequent
gift amount



169 FIRST-TIME DONORS

66

donors through
payroll deduction



**123 \$1,000+
DONORS**

YOUTHWORKS

SEPTEMBER 2019

INTERNS GET PRIMER ON HEALTH CARE

Eric Barksdale is a rising senior at Dunbar High School who can envision himself working in the health care field. A recent trip with fellow students in the University of Maryland, Baltimore's (UMB) Summer Bioscience Internship Program (SBIP) put that vision into much clearer focus.

Barksdale, who participates in Dunbar's Pathways in Technology Early College High School (P-TECH) Program, was among the interns who visited the Maryland Advanced Simulation Training, Research and Innovation (MASTRI) Center at the University of Maryland Medical Center (UMMC) on July 8. The center is a collaboration between UMMC and the School of Medicine.

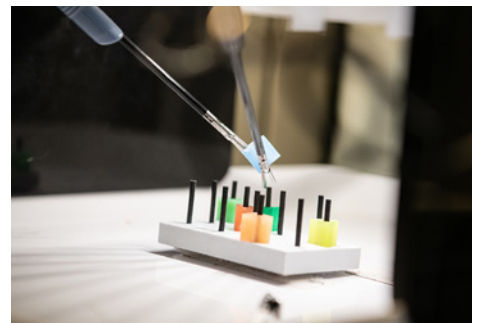
"This is a great experience," Barksdale said after Part 2 of the visit, where the students manipulated laparoscopic simulation machines that allow users to practice the hand-eye coordination skills needed to perform less-invasive surgical procedures. "Being able to do something hands-on is different from what we did the first three days of orientation, where we're just watching and listening.

"Here, we could actually do it ourselves. Doing these simulations, it makes me want to do nursing. And treating a real patient in the future would be much more exciting."

The hourlong visit was part of a four-day orientation for SBIP, a five-week paid internship program in which high school students 16 and older interested in health or research careers are placed with mentors in research labs around UMB or at sites such as UMMC and the R Adams Cowley Shock Trauma Center. Twenty-one students participated in SBIP this summer.

SBIP is one prong of the YouthWorks Program at UMB, which is participating in the work-readiness initiative with the Mayor's Office of Employment Development for the 29th year. This summer, 78 students participated. The other sectors are the Community Engagement Center; private sector (administrative/office jobs); and the CURE Scholars Summer Program, an intensive year-round mentoring program that prepares middle and high school students for health care careers.

At the MASTRI Center, simulation educators Katie Gordon MSN, RN, CNE, and Kerry Murphy, DVM, took turns showing the interns how they train residents and health care practitioners to prepare for various medical emergencies and high-tech surgical procedures. Gordon led off the presentation by introducing Herman, a high-fidelity manikin used for training on such tasks as inserting a breathing tube, putting in



ABOVE AND BOTTOM RIGHT, THE SBIP STUDENTS EXAMINE HERMAN, A HIGH-FIDELITY MANIKIN, DURING THE HANDS-ON PORTION OF THEIR MASTRI CENTER VISIT. TOP RIGHT, THEY GOT TO PRACTICE ON A MACHINE THAT TESTS HAND-EYE SKILLS NEEDED TO DO LAPAROSCOPIC SURGERY.

Continued from previous page



A YOUTHWORKS INTERN WORKS ON A LAPAROSCOPIC SURGERY SIMULATOR, ONE OF MANY HIGH-TECH TRAINING DEVICES AT THE MASTRI CENTER.

a central IV line, and performing a lumbar puncture, where a needle is placed into the spine.

“In about 20 minutes, a bunch of doctors who just graduated from medical school are going to come here and learn how to intubate a patient,” Gordon said. “They’ll put the breathing tube into the patient, then put the bag and mask on. Then they’ll see if the lungs have expanded, and if so, they know they’ve done it correctly. It’s good to practice, right? That’s why we’re here.”

Gordon said Herman is but one of the MASTRI Center’s manikins, joining Sim Jr. (used for age 6-10 simulations), Noelle (a female giving birth), and two newborns, including a premature baby. She pointed out that Herman’s eyes blink, his pupils constrict and dilate, and he has a pulse and heart and lung sounds. The simulation educator, she says, can adjust these vital signs to fit certain medical scenarios as well as add fake blood and body fluids to the make-believe mix.

“Simulation is at the forefront of medical education,” Gordon said, pointing out that airplane pilots were pioneers in simulation training. “We have multidisciplinary simulations here every week. That means it’s not just nurses, it’s not just doctors — it’s two nurses and a physician, or an anesthesiologist, a respiratory therapist, and a pharmacist. All of them are coming to work around this patient, so that it’s the most realistic practice there could be.”

The SBIP students were allowed to poke, prod, and otherwise examine Herman, with some shining their cellphone lights into his eyes and others taking turns placing a stethoscope to hear his heartbeat.



OUTSIDE A SIMULATION ROOM SITS A CONTROL BOOTH WHERE THE MANIKIN’S VITAL SIGNS ARE ADJUSTED AND TRAINEES CAN BE ASSESSED.

“That was neat,” Barksdale said. “I love how responsive it is — it has all these different responses, like sweating, breathing, coughing. It was pretty cool to see that robot act like a human.”

Simone Wade, a rising senior at Dunbar who is interested in anesthesiology, said of Herman, “Checking his pulse, his eyes being dilated, that’s really interesting.”

The tour moved to the adjacent room, where Murphy discussed the benefits of laparoscopic surgery — reduced hospital stays, quicker recovery time — and demonstrated how to use the simulation machine, which included left- and right-hand controllers. The interns were allowed to practice on the simulators, picking up a triangular block with one instrument’s claw, transferring it to the other instrument, and placing it on a peg.

“This is one of the very basic skills that surgery residents start to learn, and they practice how to use both hands,” Murphy said. “It also is going to help you stand upright and get in a good position where you’re balanced on both feet and your shoulders are back. If you are driving your whole body into it, that’s not very efficient and you can get injuries.”

Murphy also demonstrated a virtual reality machine that lets users practice the skills needed to remove a gallbladder, among other procedures, saying, “These are basically like high-tech video games on which you can practice your procedures.”

Malachi Bunch, another rising Dunbar senior, was impressed. “The surgery simulators are a really good way to learn how to do something. Instead of just reading about it in a book.”

— Lou Cortina

SOP LAUNCHES NATION'S FIRST MASTER'S IN MEDICAL CANNABIS SCIENCE



The School of Pharmacy has launched a Master of Science (MS) in Medical Cannabis Science and Therapeutics to provide students with the knowledge and skills needed to support patients and the medical cannabis industry, add to existing research in the field, and develop well-informed medical cannabis policy.

Based at the Universities at Shady Grove (USG) in Rockville, Md., the two-year program blends online learning with face-to-face experiences, and is designed for any individual who has completed his or her undergraduate degree and is interested in pursuing a career in the medical cannabis industry.

The MS in Medical Cannabis Science and Therapeutics is the first graduate program in the country dedicated to the study of medical cannabis. It aims to meet the needs of all individuals interested in advancing their knowledge about medical cannabis, including health care professionals such as physicians, nurses, and pharmacists; scientists and regulators; growers and dispensary owners; and policy and industry professionals.

“Medical cannabis has been legalized in 33 states, including Maryland, as well as in Washington, D.C., Guam, and Puerto Rico,” says Natalie D. Eddington, PhD, FAAPS, FCP, dean and professor of the School of Pharmacy. “This number is only expected to increase in the future, fueling a demand for an educated workforce that is well-trained in both the science and therapeutic effects associated with this medicinal plant. Our MS in Medical Cannabis Science and Therapeutics has been critically designed to prepare students to meet this demand.”

The School of Pharmacy program addresses the areas of basic science, clinical use, adverse effects and public health, and federal and state laws and policies surrounding medical cannabis. Online coursework is designed to accommodate students with or without a background in science or medicine, as well as offer flexibility when completing assignments. In-person symposia held once each semester at USG provide students with opportunities to network with peers, as well as meet and interact with experts in the science, therapeutics, and policy of medical cannabis.

“The MS in Medical Cannabis Science and Therapeutics is an incredibly unique program,” says Leah Sera, PharmD, MA, BCPS, assistant professor in the Department of Pharmacy Practice and Science, director of the MS in Medical Cannabis Science and Therapeutics program, and a clinical pharmacist who practices in the field of palliative care. “Faculty from the School of Pharmacy who lead courses for the program are experts in both basic and clinical sciences related to the study of medications and are dedicated to making coursework both interesting and accessible to all students.”

She adds: “There is truly no other educational program that offers the in-depth instruction on the science, policy, and therapeutics of medical cannabis that students who are accepted into our program will receive.”

To better meet the needs of working professionals, the MS in Medical Cannabis Science and Therapeutics does not require the completion of a thesis. Instead, students complete a capstone course that features a selection of expert seminars, case studies, and discussions. Graduates will be able to help identify patients appropriate for medical cannabis therapy and determine appropriate dosing and administration for those patients; ensure the safe and effective design, development, and manufacture of medical cannabis products; identify potential research opportunities; and participate in health policy decision-making processes related to medical cannabis.

“Students who complete our program will have an unparalleled competitive advantage when it comes to pursuing or advancing a career in the medical cannabis industry,” says Sera.

— Malissa Carroll

See a *video* about the program.



SMCCAMPUSCENTER

SEPTEMBER 2019

STUDENT COUNSELING CENTER IS BEING RELOCATED, EXPANDED

An ambitious project is underway at the SMC Campus Center designed to renovate and reimagine the Campus Life Services suite that aids University of Maryland, Baltimore (UMB) students. The relocation of the Student Counseling Center is paramount among the changes, moving from the fourth floor of the Health Sciences and Human Services Library (HS/HSL) to the third floor of the Campus Center.

The reason for the project? In its simplest terms, the Student Counseling Center has outgrown its space in the HS/HSL. But the changes represent a deeper meaning as well.

director of the counseling center, says during this period a full-time licensed clinical social worker was hired to manage cases and psychiatrists' weekly hours were increased from 25 to 32 hours a week to better meet students' medication management needs.

The trend at UMB parallels an uptick nationwide in college students seeking mental health services. In a recent survey by the American Council on Education, 80 percent of college presidents indicated that student mental health has become more of a priority on their campus than it was three years ago, and 70 percent had allocated or identified additional funding to address the issue.

At UMB, instead of simply moving the counseling center into a larger physical area, University leaders made the relocation part of what Crockett calls a "revising and repurposing" of the Campus Life Services suite.

Crockett says many college campuses are moving toward the concept of "integrative well-being," which entails mental health, wellness, and recreation services being located in the same physical area and where interventions and solutions are offered to students in a coordinated way. "That meant revisiting the way we lay out our services in the building," he says.

To that end, the third-floor Campus Life Services suite is being renovated to include the counseling center and other student services. A long bank of storage units used by student organizations will be moved to the lower level; employees have been relocated in the suite or moved elsewhere in the Campus Center or to other buildings on campus; and the suite will have a more open design.

"The strategies are to have better synergy among the offices and improved technology and energy efficiency as well as to use natural light for more sustainable and effective delivery of services," Crockett says. "We're trying to leverage the opportunities as we see them."

When the project is complete, the counseling center will be in what Borgerding calls "a more prominent place but not necessarily a prominent entrance," so that students seeking services can maintain privacy. "They can just come to the Campus Center and go to the third floor, and they could be going anywhere on the third floor," she says.

— Lou Cortina

*Read about **more changes**.*



THE ARTIST'S RENDERING SHOWS WHAT THE LOBBY IS EXPECTED TO LOOK LIKE WHEN UMB'S STUDENT COUNSELING CENTER MOVES TO THE CAMPUS CENTER'S THIRD FLOOR, WITH RENOVATIONS COMPLETED BY MARCH 2020.

"We needed to find the Student Counseling Center space to facilitate the success of their services, but we also want to remove the stigma of mental health intervention and services," says Bill Crockett, MS, RCRSP, executive director, Campus Life Services and the SMC Campus Center. "Bringing the Student Counseling Center into the Campus Center gives the center more visibility, and it makes the availability of the center's services more visible for those who'd like to use them. We emphasize the importance of well-being for students, so it's all part of our mission to boost their well-being."

According to Anna Borgerding, director of Campus Life Services facilities and special projects, demand for student counseling services has increased by about 20 percent during the last five years, necessitating a larger space. Emilia Petrillo, LCSW-C, executive

COMMUNITY OUTREACH

SEPTEMBER 2019

BUILDING A SAFE PLACE TO PLAY



SOME OF THE 200 VOLUNTEERS TEAM UP TO ERECT A SWING SET, WHICH THE STUDENTS AT EUTAW-MARSHBURN ELEMENTARY SCHOOL REQUESTED “OVERWHELMINGLY.”

If you build it, they will come.

The line is from the classic baseball movie *Field of Dreams*, but the same can also be said of the new playground at Eutaw-Marshburn Elementary School, recently built by a team of more than 200 volunteers in six hours, braving oppressive heat.

On July 19, with a heat index above 100 degrees, leaders of the Promise Heights initiative of the School of Social Work along with volunteers from Travelers Insurance and the Upton/Druid Heights community joined with KaBOOM! to transform an empty site into a kid-designed, state-of-the-art playground. KaBOOM! is a nonprofit organization that creates play spaces for children, particularly in disadvantaged communities.

“Our kids deserve a play space that’s safe and the last playground that was here was over 20 years old so it’s time for an update,” said Amani Coker-Warren, LMSW, Promise Heights’ community school coordinator for Eutaw-Marshburn Elementary School. “It’s just so important to play and be active as a child and to have a safe space to do that in. Just having that release of energy allows them to focus when they come back into the classroom.”

Last spring, children met with KaBOOM! representatives to design the playground and “overwhelmingly, they all wanted swings,” said Principal Tiffany Cole. The new playground also features a slide, hopscotch board, a football field, rock climbing wall, a basketball court, flower boxes, seating areas, and more.

“It’s fun going down and then swinging up in the wind,” said Kennadi Faulcon, 9. “I can’t wait for the swings.”

“We’re going to have a new experience,” added Damoatay Scott, 10.

“I don’t think I can put that into words,” Cole said when asked what a new playground would mean to her students. “The playground has always been a topic of concern. It was old, dangerous. Now, the children are beyond excited.”

KaBOOM! project manager Derrick Dixon rallied the volunteers at the start of the build.

“Simply being out here today just shows that you really care about the well-being of children,” he said. “I want you to take a look around this area, you’re going to completely transform this area today in just six hours.” (See *the video*.)

“It’s going to be one tough, long day for you. But it will be many enjoyable days for the kids here in this community,” added Travelers regional director Jason Bonardi. More than 100 volunteers from the insurance company contributed sweat and elbow grease to the project.

School of Social Work Dean Richard P. Barth, PhD, MSW, spent part of the day painting a city map onto the blacktop.

“We often say at the University of Maryland, Baltimore that we are not *in* the community, we are *of* the community. To be of the community, it’s important to be part of our neighborhood,” he said. “In Promise Heights, we work with schools in many different ways, through policy and programs, but also in very tangible ways, like slides and swings.”

— Mary T. Phelan

CURECORNER

SEPTEMBER 2019

CURE IS HOMECOMING FOR NEW EXECUTIVE DIRECTOR

The UMB CURE Scholars Program has welcomed Gia Grier McGinnis, MS, to its team as the program's new executive director. A proud Baltimore City native and Western High School alumna, Grier McGinnis is thrilled to be overseeing a program that holds such a personal connection to her.

"I was a youth in Baltimore and was exposed to environmental sciences through STEM education programs run by nonprofits and universities in the city," she says. "That's really what got me hooked on what became the early part of my career and so I'm a real believer in programs like CURE."

UMB's pipeline mentoring program is unique in that it begins with students with an interest in science as young as sixth grade. Now as the fifth cohort of UMB CURE Scholars prepares for the school year, the original CURE Scholars are tackling the challenges of high school, many mentoring the latest cohort who share their dreams of health and research careers.

Grier McGinnis comes to the University of Maryland, Baltimore (UMB) after 12 years at Johns Hopkins University (JHU), where she served in leadership roles at the JHU Center for Social Concern. Previously, Grier McGinnis was a public outreach specialist for a global engineering firm, a research assistant for the University of Michigan's Minority Environmental Leadership Development Initiative, and an AmeriCorps VISTA member for a leadership development program serving Washington, D.C., middle school students.

She earned her bachelor's degree in environmental studies from Washington College and her master's in environmental policy from the University of Michigan, with a research focus on environmental justice and health and diversity in the environmental field. She's now a DrPH candidate at Morgan State University's School of Community Health & Policy where she serves on the Community-University Advisory Board (CUAB) for Morgan's ASCEND initiative, which is housed within the university's Prevention Science Research Center. CUAB is the branch of ASCEND that oversees a small grants program for participatory research projects. ASCEND is supported by the

National Institutes of Health's BUILD initiative to promote diversity in the biomedical workforce.

Grier McGinnis also is board president of Baltimore Green Map, a nonprofit connecting students and communities to natural resources and sustainability principles using map-making tools and activities.



GIA GRIER MCGINNIS WAS EXPOSED TO ENVIRONMENTAL SCIENCES THROUGH STEM EDUCATION PROGRAMS AS A BALTIMORE YOUTH.

While growing up in Northwest Baltimore, Grier McGinnis participated in several programs including those at the Chesapeake Bay Foundation, the National Aquarium in Baltimore, and a university-sponsored after-school Environmental Justice Youth Council. She says these programs not only helped shape the direction of her career, but also provided her with mentors who inspired her.

"CURE is very similar to what I did as a child, but instead of environmental science, CURE focuses on health and medicine," she explains. "Before I got involved in these programs, I didn't really know much about the different career pathways that were out there for me, so I know that they can really make a difference in the lives of young people. I want to continue to offer the scholars opportunities to meet scientists who look like them and

Continued from previous page

continue providing that social and emotional support system that has already been established in the program.”

The UMB CURE Scholars Program has been recognized both locally and nationally for academically enriching upward of 100 West Baltimore students and preparing them for rewarding STEM careers. It was established in 2015 under the leadership of founding executive director Robin Saunders, EdD, MS, who worked tirelessly to create, shape, and grow the UMB CURE Scholars Program, which is the first middle school program funded by National Cancer Institute’s Center to Reduce Cancer Health Disparities. Under Saunders’ leadership, the UMB CURE Scholars Program became a nationally acclaimed STEM, health care, and cancer research pipeline model.

Saunders decided to leave her role as executive director and move into a new position as executive consultant. She will remain an integral part of the UMB CURE family and continue to support the program’s progress in many ways including assisting with Grier McGinnis’ transition.

“This is an exciting time for me personally, and for the UMB CURE Scholars Program,” says Saunders. “Having Gia Grier

McGinnis as the new executive director brings new excitement, new talent, along with new ideas and new energy. The CURE Scholars Program is like ‘my baby’ and after four years of overseeing the program, I’m extremely confident passing the baton on to Gia. CURE is in very capable and experienced hands!”

In her new leadership role, Grier McGinnis plans to continue building onto the program’s high school component, CURE Connections (C2). This year, C2 will have scholars in ninth and 10th grade, and she hopes to see them take their research to the next level with more dissemination and hands-on application work in the community.

“We’re creating the next generation of change agents, so we want to show these students how to hone their craft both academically but also learn to navigate cultural challenges that they will face in the field,” she says. “They’ve learned a lot about the fundamentals of research and the building blocks of science and now, as high schoolers, I want them to look at how can they use those sets of skills to have real application in the field for societal good.”

— Jena Frick

UMB CURE Scholars Program



Produced by MedSchool Maryland Productions

Watch UMB’s CURE Scholars in a documentary as they take the next step, now in prestigious high schools, competing with Baltimore’s best

From West Baltimore and **9th Grade: From West Baltimore**

SATURDAY, SEPT. 28
6 AND 7 P.M.

6 p.m. - From West Baltimore (2016 documentary)

7 p.m. - 9th Grade: From West Baltimore (new documentary)

Maryland Public Television (check your programming guide for channel)

EXPLORE | EXCITE | INSPIRE

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