



UNIVERSITY of MARYLAND
SCHOOL OF PHARMACY



From the Chair's Desk

News from Jill A. Morgan, PharmD
Chair, Department of Pharmacy Practice and Science

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Winter 2020

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Dear colleagues,

With the breadth of expertise that exists at the University of Maryland School of Pharmacy - within our faculty and our staff - it's fitting that the School has recently expanded its menu of [Masters degree programs](#). With faculty working across the spectrum of drug discovery, patient care, and health services research, there is much knowledge that we can share across a variety of areas.

Most recently, the School of Pharmacy has launched two new MS programs - one in [Medical Cannabis Science and Therapeutics](#) and one in [Pharmaceutical Sciences](#). This brings our MS offerings to six. Within the Department of Pharmacy Practice and Science, we offer the extremely popular and interprofessional [MS in Palliative Care](#) and the [MS in Pharmacometrics](#), both of which are fully online, making them convenient for working professionals.

If one of your students, residents, or postdocs has ever thought about furthering their education or expanding their expertise, I encourage you to have them consider one of our MS programs.

Sincerely,

[Jill A. Morgan, PharmD, BCPS, BCPPS](#)

Professor and Chair



School of Pharmacy Mourns Passing of Retired Faculty Member, Alumnus



Robert Michocki, PharmD '75, BCPS, alumnus and professor emeritus of pharmacy practice and science (PPS), passed away on Oct. 15. Dr. Michocki first graduated from the School of Pharmacy in 1971, and immediately joined the faculty. While on faculty, he once again became a student, pursuing his Doctor of Pharmacy (PharmD) in the School's post-baccalaureate PharmD program - a program he helped launch. Dr. Michocki served the School of Pharmacy as chair of PPS from April 2003 to August 2006, as well as interim chair from July 1991 to September 1992, and January 1996 to July 1997. He maintained practice sites in internal medicine, geriatrics, and emergency medicine, as well as a long-running family medicine practice site at the University of Maryland Medical Center. He also had a 35-year career as a consultant in the primary care and geriatrics clinics at the Baltimore Veterans Affairs Medical Center. [Read more here...](#)

SOP Collaborates with emocha to Offer Comprehensive Clinical Adherence Solution



The [Center for Innovative Pharmacy Solutions](#) at the School of Pharmacy is collaborating with emocha Mobile Health to expand the company's clinician-led adherence solution offering. Through this collaboration, pharmacists in the School's [e-Health Center](#) will provide patients with comprehensive medication review and reconciliation services through a mobile application that protects their privacy. emocha will offer this service to hospitals, health systems, and health insurers, with the goal to increase medication adherence, address medication related problems, and manage the rising cost of care and readmission rates. [Read more here...](#)

SOP's Palliative Care Graduate Program Celebrates First Convocation



Faculty and staff from the School of Pharmacy joined family and friends on Aug. 16, to celebrate the first graduating class of the online [Master of Science \(MS\) and Graduate Certificates in Palliative Care program](#). More than half of the program's 47 graduates traveled to Pharmacy Hall from across the state of Maryland and beyond to receive their master's hoods and graduate certificates during the convocation ceremony. [Read more here...](#)

MPC Showcases Expertise at National Toxicology Conference



The North American Congress of Clinical Toxicology (NACCT) is the premier conference that brings together pharmacists, physicians, nurses, and scientists from across the United States to share knowledge and gain new insights on a wide range of issues and topics in clinical toxicology. Each year, staff from the [Maryland Poison Center \(MPC\)](#) attend the conference not only to showcase the center's original research, but also to learn from the research presented by other experts in the field. This year, the MPC had a tremendous showing at the conference that included five posters and three presentations delivered by members of our team. [Read more here...](#)

Kudos!

Our department's faculty and staff are regularly recognized at the local and national level for their expertise. Here is a short list of recent accomplishments.

- [Nicole Brandt, PharmD](#), professor and executive director of the [Peter Lamy Center on Drug Therapy and Aging](#); [Joshua Chou, PharmD](#), geriatric pharmacotherapy fellow in the Lamy Center, and [Barbara Zarowitz, PharmD](#), geriatric pharmacotherapy and clinical research consultant at the Lamy Center, received the Top Poster Award at the 2019 Annual Meeting of the American Society of Consultant Pharmacists in Texas in November.
- [Kimberly Claeys, PharmD](#), assistant professor, has been named a 2019 Outstanding Reviewer by the journal *Pharmacotherapy*.
- [Bethany DiPaula, PharmD](#), associate professor, has been appointed to the American Society of Health System Pharmacist's Opioid Taskforce.
- [Alison Duffy, PharmD](#), associate professor, received the Maryland Society of Health-System Pharmacy's Excellence Award.
- [Agnes Ann Feemster, PharmD](#), was promoted from assistant professor of pharmacy practice and science to associate professor and received the Maryland Society of Health-System Pharmacy's 2019 Medication Safety Award.
- [Joga Gobburu, PhD](#), professor and director of the Center for Translational Medicine, has been named a Fellow of the American Association of Pharmaceutical Scientists.
- [Mojdeh Heavner, PharmD](#), assistant professor 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](#), was promoted from assistant professor of pharmacy practice and science to associate professor and was appointed as the pharmacist representative to the Infectious Diseases Society of America's Sepsis Task Force.
- [James Leonard, PharmD](#), a poison specialist at the Maryland Poison Center, has been named a Diplomate of the American Board of Applied Toxicology.
- [Mary Lynn McPherson, PharmD](#), professor and executive director of advanced post-graduate education in palliative care, has been named co-chair of the 2020 International Conference on Opioids.
- [Ashlee Mattingly, PharmD](#), assistant professor, and [Kristin Watson, PharmD](#), associate professor, have been named Outstanding Reviewers by the *Journal of the American Pharmacists Association*.
- [Katy Pincus, PharmD](#), associate professor, received the Maryland Pharmacists Association's Excellence in Innovation Award.
- [Brent Reed, PharmD](#), associate professor, has been named a Fellow of the American College of Clinical Pharmacy.
- [Kristin Watson, PharmD](#), associate professor, has been appointed to the Maryland State Advisory Council on Health and Wellness

Publications

- Crist M, **Duffy AP**, Emadi A. Descriptive Analysis of Blinatumomab Tolerability and Total Drug Exposure. *Journal of Oncology Pharmacy Practice* 2019 (in press)
- **Duffy AP**, Thompson A, Trovato J. Students' Level of Confidence with Oncology Curricular Competencies Pre and Post Assessment. *Current Trends in Pharmacy Education* 2019 (in press)
- Ikeji, C, Williams, A, Hennawi, G, & **Brandt, NJ**. (2019). Patient and Provider Perspectives on Deprescribing Proton Pump Inhibitors. *Journal of Gerontological Nursing*, 45(10), 9-17.
- Adige S, Lapidus RG, Carter-Cooper BA, **Duffy AP** et al. Equipotent Doses of Daunorubicin and Idarubicin for AML: A Meta-analysis of Clinical Trials vs. In Vitro Estimation. *Cancer Chemotherapy and Pharmacology* 2019. Epub
- Bade NA, Lu C, Patzke C, Baer MR, Duong VH, Law J, Lee, S, Sausville EA, Zimrin AB, **Duffy AP**, Lawson J, Emadi A. Optimizing Pegylated Asparaginase Use: An Institutional Guideline for Dosing, Monitoring, and Management. *Journal of Oncology Pharmacy Practice* 2019. doi/10.1177/1078155219838316
- Bentur Y, Lurie Y, Cahana A, Bloom-Krasik A, Kovler N, Neuman G,

- Gurevych B, Sofer P, **Klein-Schwartz W**. Poisoning in Israel: Annual Report of the Israel Poison Information Center, 2017. *Israel Medical Association Journal*. 2019 Mar;21(3):175-182.
- Bork JT, **Heil EL**, Berry S, Lopes E, Dave R, Gilliam BL, Amoroso A. Dalbavancin Use in Vulnerable Patients Receiving Outpatient Parenteral Antibiotic Therapy for Invasive Gram-Positive Infections. *Infectious Diseases and Therapy* 2019 [epub ahead of print], DOI: 10.1007/s40121-019-0247-0.
 - **Brandt NJ, Cooke CE**, Sharma K, **Chou J**, Carden MJ, Kumbera P, Pellegrin K. Findings from a National Survey of Medicare Beneficiary Perspectives on the Medicare Part D Medication Therapy Management Standardized Format. *Journal of Managed Care & Specialty Pharmacy*. 2019 Mar;25(3):366-391.
 - Deming M, Mark A, Nyemba V, **Heil EL**, Palmeiro RM, Schmalzle SA. Cognitive Biases and Knowledge Deficits Leading to Delayed Recognition of Cryptococcal Meningitis. *IDCases* 2019 e00588.
 - Freedman SR, Ravichandran BR, Masters BM, Bromberg JS, Haririan A, Saharia KS, **Heil EL**, Sparkes TM. Clinical Outcomes of Valganciclovir Prophylaxis in High Risk (D+/R-) Renal Transplant Recipients Experiencing Delayed Graft Function. *Transplant Infectious Diseases* 2019;00:e13125.
 - **Gale SE**, Ravichandran B, Ton V-K, Pham S, **Reed BN**. Alemtuzumab Induction Versus Conventional Immunosuppression in Heart Transplant Recipients. *Journal of Cardiovascular Pharmacology and Therapeutics*. 2019; published ahead of print: <https://doi.org/10.1177/1074248419841635>
 - Johnson M, Jones B, **Heil E**, Stover K, Trone S, Fulford M, Bland C. Self-perceived Knowledge and Confidence Regarding Infectious Diseases of Advanced Pharmacy Practice Experience Students. *Currents in Pharmacy Teaching and Learning* 2019 (epub ahead of print).
 - Kaufman HL, Atkins MB, Subedi P, Wu J, Chambers J, **Mattingly TJ**, Campbell JD, Allen J, Ferris AE, Schilsky R, Danielson D, Lichtenfeld JL, House L, Selig W. The Promise of Immuno-Oncology: Implications for Defining the Value of Cancer Treatment. *Journal for ImmunoTherapy of Cancer*. 2019;7(1):129. DOI: 10.1186/s40425-019-0594-0. Available: <https://jitc.biomedcentral.com/articles/10.1186/s40425-019-0594-0>
 - **Leonard JB, Klein-Schwartz W**. Characterization of Intentional-abuse Venlafaxine Exposures Reported to Poison Control Centers in the United States. *American Journal of Drug and Alcohol Abuse*. 2019 Apr 11:1-6. doi: 10.1080/00952990.2019.1599382. [Epub ahead of print]
 - **Mattingly II TJ**, Abdelwadoud M, Mullins CD, Eddington ND. Pharmapreneur - Defining a Framework for Entrepreneurship in Pharmacy Education. *American Journal of Pharmaceutical Education*. Online ahead of print May 24, 2019. Available: <https://www.ajpe.org/doi/abs/10.5688/ajpe7548>
 - **Sera L, McPherson ML**. Effect of a Study Skills Course on Student Self-Assessment of Learning Skills and Strategies. *Currents in Pharmacy Teaching and Learning*. Accepted for publication.
 - Sharma K, **Cooke CE, Howard AK**, Chater R, **Brandt NJ**. Beneficiary, Caregiver, and Case Manager Perspectives on the Medication Therapy Management Program Standardized Format. *Journal of Gerontological Nursing*. 2019 Apr 1;45(4):7-13.
 - Slejko JF, **Mattingly II TJ**, dosReis S. The Future of Patient-Driven Healthcare Evaluation: The Patient-informed Reference Case. *Value in Health*. 2019;22(5):545-8. DOI: 10.1016/j.jval.2019.02.003. Available: <https://www.sciencedirect.com/science/article/pii/S1098301519301172?via%3Dihub>
 - Smith T, **Mattingly TJ**, Slabaugh L. Improving Health Determinants Outside of the Clinic Does Not Mean Outside of Clinical Science. *Healthcare*. 2019. Online ahead of print June 27, 2019. DOI: 10.1016/j.hjdsi.2019.06.001. Available at: <https://www.sciencedirect.com/science/article/pii/S2213076419301484?via%3Dihub>
 - **Mattingly II TJ**. The Case for Authentic Leadership. *Journal of the American Pharmacists Association*. Online ahead of print May 23, 2019. Available: [https://www.japha.org/article/S1544-3191\(19\)30237-7/pdf](https://www.japha.org/article/S1544-3191(19)30237-7/pdf).
 - **Reed BN**, Klutts A, **Mattingly II TJ**. Leadership in Pharmacy: A Systematic Review of Definitions, Competencies, and Assessment Methods. Accepted *American Journal of Pharmaceutical Education*. Online ahead of print May 13, 2019. Available: <https://www.ajpe.org/doi/abs/10.5688/ajpe7520>
 - Tong Z, **Cooke CE, Brandt NJ**. Online Provision of Part D Medication

Therapy Management Program Information. *Journal of Managed Care & Specialty Pharmacy*. 2019 Aug;25(8):898-903. doi: 10.18553/jmcp.2019.25.8.898.

- Urick BY, **Mattingly II TJ, Mattingly AN**. Relationship between Regulatory Barriers to Entry and Pharmacy Technician Wages. *Research in Social and Administrative Pharmacy*. 2019. Online ahead of print May 17, 2019. DOI: 10.1016/j.sapharm.2019.05.003. Available: <https://www.sciencedirect.com/science/article/pii/S1551741118304480?dgcid=coauthor>
- **Zarowitz BJ**, Nace D, **Brandt N**, Schwartz J. Pharmacotherapy Research Priorities in Older Adults with Cardiovascular Disease in Nursing Homes, Assisted Living, and Home Care: Report from a Satellite Symposium of the ACC, AGS, NIA Workshop. *Journal of the American Medical Directors Association* 2019;20:787-9. doi: 10.1016/j.jamda.2019.02.009.
- **Zarowitz BJ**, O'Shea T, Shim A, Fredericks D, Norton JC. Clinical Distinctions Between US Nursing Home Residents with Parkinson Disease with and without Parkinson Disease Psychosis. *Annals of Long-term Care* 2019; doi: 10.2570/altc.2019.05.00072
- **Zarowitz BJ**, Tisdale JE. Navigating the Minefield of QTc Interval Prolonging Therapy in Nursing Facility Residents. *Journal of the American Geriatrics Society* 2019;67:1508-15. DOI: 10.1111/jgs.15810

Presentations/Posters

- Blackman AL, Dodia NN, **Heavner MS**. Ramipril-associated Liver Injury: A Case Report and Brief Review of the Literature. American Thoracic Society International Conference, May 2019. Dallas, TX.
- Fong G, Chahine E, Justo J, Narayanan N, **Heil E**, Stover K, Cho J, Jenkins Z, MacDougall C. Assessment of Antimicrobial Pharmacokinetics Curriculum in Schools and Colleges of Pharmacy across the United States. American Association of Colleges of Pharmacy Annual Meeting. Chicago IL. July 2019 (abstract).
- **Brandt NJ**. Medication Therapy Management (MTM) and CMS Standardized Format: Importance of co-design with Medicare Beneficiaries and their Caregivers. April 25, 2019. Scottsdale Institute Teleconference (webinar).
- **Brandt NJ, Cooke C**, Sharma K, Chou J, Carden MJ, Kumbera P, Pellegrin K. Listening to the Medicare Beneficiaries: Findings from a National Survey on the Medication Therapy Management (MTM) Standardized Format. Poster presentation at the 2019 Pharmacy Quality Alliance Annual Meeting. May 16, 2019 (poster).
- **Brandt NJ, Cooke C**, Sharma K, Chou J, Carden MJ, Kumbera P, Pellegrin K. Listening to the Medicare Beneficiaries: Findings from a National Survey on the Medication Therapy Management (MTM) Standardized Format. Poster presentation at the 2019 Annual Scientific Meeting of the American Geriatrics Society. May 3, 2019 (poster).
- **Chou J**. A National Survey of Medicare Beneficiary Perspectives on the Medicare Part D Medication Therapy Management (MTM) Standardized Format. May 17, 2019. 2019 Pharmacy Quality Alliance Annual Meeting, Baltimore, Maryland.
- **Cooke C**. Cardiovascular Patient-Centered Outcomes Research (PCOR) and C. Daniel Mullins presented From Randomized Controlled Trials (RCTs) to Patient-Centered Outcomes Research (PCOR). PCOR Workshop for Association of Black Cardiologists presented at the American College of Cardiology 2019 Annual Scientific Session, New Orleans, LA, March 17, 2019.
- Crist M*, **Trovato J, Duffy A**, Lawson J, Nishioka J, Milliron T, Kocoglu M, Badros A, Lu C. Evaluating the Safety of Rapid Infusion Daratumumab. Hematology Oncology Pharmacy Association 15th Annual Conference. Fort Worth TX April 2019 (poster).
- Dorsch JJ, **Tran D**, Nagaria Z, **Heavner MS**, Wickwire E, Rogers V, Verceles AC. Assessing the Relationship of Sleep and Circadian Pattern to Incidence of Delirium in Survivors of Critical Illness. American Thoracic Society International Conference, May 2019. Dallas, TX.
- **Duffy AP**. Current and Emerging Treatment Standards for Patients with Chronic Lymphocytic Leukemia (CLL). Hematology Oncology Pharmacy

- Association 15th Annual Conference. Fort Worth TX April 2019.
- **Heavner MS**, Heavner JJ. What's GABA Got To Do With It? The Pharmacology of Delirium. Critical Care Education Conference, University of Maryland Critical Care Network. March 2019. Baltimore, MD.
 - **Ehret M**. Pharmacogenomics: What's in Your Genes? Maryland Pharmacists Association Annual meeting in Ocean City, Maryland on June 23, 2019.
 - **Heil EL**. Definitive Treatment for Penicillin Allergies: How Do We Improve Antimicrobial Stewardship? ASM Microbe. San Francisco, CA. June 2019.
 - **Leonard JB**, McFadden C, **Klein-Schwartz W**. An Analysis of Fatal Iatrogenic Therapeutic Errors Reported to United States Poison Centers. Congress of the European Association of Poison Centres and Clinical Toxicology (EAPCCT). Naples, Italy. 5/24/2019 (poster).
 - **Leonard JB**, Hines EQ, **Klein-Schwartz**. Steel yourself! Trends in Iron Packaging Regulations in the United States and Pediatric Morbidity. Congress of the European Association of Poison Centres and Clinical Toxicology (EAPCCT). Naples, Italy. 5/24/2019 (poster).
 - **Leonard JB**, Hines EQ, Deatrick KB, Prybys K, Kim HK. Use of Venous Arterial Extracorporeal Membrane Oxygenation in Life-threatening Bupropion Ingestion in a Pediatric Patient. Congress of the European Association of Poison Centres and Clinical Toxicology (EAPCCT). Naples, Italy. 5/24/2019 (poster).
 - **Love RC and Ehret M**. PsychopharmaCatastrophies! Maryland Pharmacists Association Annual meeting in Ocean City, Maryland on June 24, 2019.
 - **Mattingly II TJ**, Love BL. Temporal Changes in Cost-effectiveness for Chronic Hepatitis C Virus Pharmacotherapy. Podium presentation at the International Society of Pharmacoeconomics and Outcomes Research 24th Annual International Meeting, New Orleans, Louisiana, May 21, 2019.
 - **McPherson ML**, Todd A, Holmes H. Separating the Wheat from the Chaff: Deprescribing in Serious Illness. European Association of Palliative Care Annual Assembly 2019, Berlin, Germany, May 2019.
 - **McPherson ML**, Gourlay D. Ask the Expert: European Association of Palliative Care Annual Assembly 2019, Berlin, Germany, May 2019.
 - **McPherson ML**. Common Pharmacomistakes in Advanced Illness. Florida Hospice & Palliative Care Hospice Works 2019 Forum. Orlando, Florida, May 2019.
 - **McPherson ML**. Paving the Road Ahead: Innovation, Speculation, Education. Plenary presentation, Florida Hospice & Palliative Care Hospice Works 2019 Forum. Orlando, Florida, May 2019
 - Roettl J, **McPherson ML**, Kamar M, Dahlin C. Critical Conversations: Alternatives to Opioids for Managing Pain in Hospice and Palliative Care. Town Hall meeting at AAHPM/HPNA Annual Assembly; March 2019; Orlando, FL.
 - **Zarowitz BJ**. Addressing Challenges in Conducting Clinical Research in Older Adults. Forum on Drug Discovery Development, and Translation, National Academies of Sciences, Engineering, Medicine, Washington, DC. July 30, 2019.
 - **Tran D**. Fantastic Vaccines and Where to Find Them. Sept 2019. Maryland's Department of Health and Mental Hygiene and Maryland Medicaid Pharmacy Program, Baltimore, MD.
 - **Tran D**. The Vaxxers Immunity Wars. March 2019. Mid-Atlantic Regional American Society of Consultant Pharmacists 2019, Baltimore, MD.
 - **Tran D**. The Vaxxers Immunity Wars. March 2019. Seminar By The Sea 2019 at the University of Rhode Island College of Pharmacy, Newport, RI.
 - **Duffy, A**. Dynamic Therapeutic Options for Patients with CLL and the Evolving Role of Pharmacists. Pharmacy Times Directions in Oncology Pharmacy Fall Conference Series. September 2019-November 2019.
 - **Whittaker C**, Nelson S, Tom S. Improved Therapeutic and Safety Outcomes Using the Pharmacists' Patient Care Process in an Interprofessional Geriatrics Clinic. Poster presentation at the 2019 American Society Consultant Pharmacists Annual Meeting. November 8, 2019.
 - **Tong M, Whittaker C**, Kaminsky T, Ennis B, Tendoh E, Brandt N. Choosing and Using OTC Medicines Wisely: An Evidence-Based Educational Program Geared Towards Community-Dwelling Older Adults. Poster presentation at the 2019 American Society Consultant Pharmacists Annual Meeting. November 8, 2019.
 - **Mansour D**, Miller J, Ahn S, Tendoh E, Lee A, Semma B, Brandt N. Scaling Up and Sustaining a Geriatric Interprofessional Educational Program: Recap

- of the Last 5 Years. Poster presentation at the 2019 American Society Consultant Pharmacists Annual Meeting. November 8, 2019.
- **Chou J**, Fornaro R, Zarowitz B, Brandt N. An Interprofessional Collaborative to Identify and Bridge the Gaps in Antimicrobial Stewardship in Post-Acute and Long-Term Care. Poster presentation at the 2019 American Society Consultant Pharmacists Annual Meeting. November 8, 2019.
 - **Chou J**, Lee M, Kaminsky T, Namvar T, Cooke C, Brandt N. Understanding Patient Preferences Regarding Multi-medication Packaging. Poster presentation at the 2019 American Society Consultant Pharmacists Annual Meeting. November 8, 2019.
 - **Brandt N**, Pellegrin K. 2019 Peter P. Lamy Memorial Lecture: Aging in Place: What Pharmacists can do to Reduce Community-Acquired Medication Harm in Older Adults. Presentation at 2019 American Society Consultant Pharmacists Annual Meeting, Grapevine TX. November 8, 2019.
 - **Riggins S**. Comparative Efficacy and Safety of Selective Serotonin Reuptake Inhibitors and Serotonin-Norepinephrine Reuptake Inhibitors in Older Adults: A Network Meta-Analysis. Presentation at 2019 American Society Consultant Pharmacists Annual Meeting, Grapevine TX. November 8, 2019.
 - **Chou J**. Antibiotic Adverse Drug Events: Improving Patient Assessment and Management. Presentation at 2019 American Society Consultant Pharmacists Annual Meeting, Grapevine TX. November 8, 2019.
 - Gerber D, Roefaro J, **Brandt N**. AGS 2019 Beers Criteria Update: Front of the Stage, and Behind the Scenes. Presentation at 2019 American Society Consultant Pharmacists Annual Meeting, Grapevine TX. November 8, 2019.
 - **Medlin C, Pourifarsi S**, Yeung SY, Tata A, **Seung H**, Quezada S, **Heavner MS**. Characterization of Pharmacologic Venous Thromboembolism Prophylaxis in Upper Gastrointestinal Tract Bleeding. American College of Clinical Pharmacy Annual Meeting, October 2019. New York, NY.