

FERRIS STATE UNIVERSITY

COLLEGE OF PHARMACY

Interoffice Memorandum
College of Pharmacy
Office of the Dean
Big Rapids, MI 49307
Phone: (231) 592-2254

TO: College of Pharmacy and FSU Community Members and Alumni
DATE: November 15, 2024
RE: FY24 College of Pharmacy Scholarly Activity Report (July 1, 2023 - June 30, 2024)

1.0 GRANTS, CONTRACTS AND AWARDS

PHARMACY PRACTICE DEPARTMENT

Faculty PI/PD	Award Details
Elder, Jodie Sexton, Scott Kiriazis, Chase	U of M Health West <i>Contract: Comprehensive Medication Management</i> \$64,000

PHARMACEUTICAL SCIENCES DEPARTMENT

Faculty PI/PD	Award Details
Nybo, Eric	National Science Foundation <i>"RUI: BIOPOLYMER - BIObricks POLYketide Metabolic EngineeRing platform for unraveling the biosynthesis of higher anthracyclines"</i> \$369,651
Nybo, Eric	National Science Foundation <i>"RUI: CHEMOENZYMATIC FLUORINATION OF AROMATIC COMPOUNDS"</i> \$339,471
Nybo, Eric	2024 Academic Scholar Award Recipient Division of Academic Affairs

2.0 PUBLICATIONS

Amissah, Felix

Kurup, S., Carpenter, G., Satawa, S., Amissah, F., Lisabeth, E., Gilletto, M., Ellsworth, E. (2024). *Novel analogs of 4-substituted pyrrolo[2,3-d]pyrimidines as*

dual-targeted mEGFR/AURKA inhibitors for lung cancer. (6-Suppl ed., vol. 84, pp. 4474). Proceedings of the American Association for Cancer Research Annual Meeting 2024; Part 1 (Regular Abstracts); 2024 Apr 5-10; San Diego, CA. Philadelphia (PA): AACR.

Rogers, B., Rohde, N., Mikitaroff, J., Matson, J., Satawa, S., Amisshah, F., Kurup, S. (2023). *4-Amino-N-phenylbenzamides as dual-targeted mEGFR and AURK inhibitors and anticancer agents*. (7_Suppl ed., vol. 83, pp. 5339). Philadelphia (PA): In: Proceedings of the American Association for Cancer Research Annual Meeting 2023; Part 1 (Regular and Invited Abstracts); 2023 Apr 14-19; Orlando, FL. Philadelphia (PA): AACR.

Bierlein, M., Charles, J., Polisuk-Balfour, T., Bretscher, H., Rice, M., Zvonar, J., Pohl, D., Winslow, L., Wasie, B., Deurloo, S., Van Wert, J., Williams, B. M., Ankney, G., Harmon, Z., Dann, E., Azuz, A., Guzman-Vargas, A., Kuhns, E., Neufeld, T. P., O'Connor, M. B., Amisshah, F., Zhu, C. (2023). Autophagy impairment and lifespan reduction caused by Atg1 RNAi or Atg18 RNAi expression in adult fruit flies (*Drosophila melanogaster*). *Genetics.*, 225(2), 1-17.

Bernknopf, Allison

Johnson, S. T., Goldwire, M. A., Abdalla, M., Advani, A., Alhammad, A. M., Anderson, K. C., Bernknopf, A. C., Blommel, M. L., Brunner, R., Frazier, J., Gosser, R., Ipema, H., Kier, K. L., Kostrzewa, A., Majerczyk, D., Manian, R., Maxwell, E., May, D., May, J. R., Munir, F., Okafar, I., Phillips, J., Poore, A. A., Saad, M., Sibbesen, J. B., Sommer, C. D. (2024). Teaching Learners to Identify and Reduce the Spread of Medical Misinformation. *JACCP: Journal of the American College of Clinical Pharmacy*, 7(9), 926-940.

Bernknopf, A. C., Koski, R. R., Konieczny, A. M., Coveyou, J. A., Klepser, M. E. (2024). Multiplex CLIA-waived point-of-care tests for SARS-CoV-2, influenza A and B, ± other respiratory pathogens: A systematic review. *Journal of the American Pharmacists Association*, 64(4), 102090.

Johnson, S. T., Goldwire, M. A., Abdalla, M., Al-Shehre, W. H., Bernknopf, A. C., Colella, A., Denton, C., Douglas, J. S., Gosser, R., Heindel, G., Holsopple, M., Ipema, H., Kier, K., Kostrzewa, A., Majerczyk, D., May, D., May, J. R., Mersek, S. T., Munir, F., Saad, M., Sommer, C. D., Thronby, K.-A., Ward, K. E. (2024). From education to practice—2024 update: An opinion paper of the Drug Information Practice and Research Network of the American College of Clinical Pharmacy. *JACCP: Journal of the American College of Clinical Pharmacy*, 7(5), 492-504.

Bernknopf, A. C., Girand, H., Pontefract, B., VanLangen, K. (2024). *Elevating Education: Harnessing AI Tools for Pharmacy Students and Faculty* (Winter 2024 ed.). Arlington, VA: American Association of Colleges of Pharmacy.

Bright, David

Bright, D. R., Klepser, D. (2024). Asynchronous consult report generation for pharmacogenomic clinical support: Time and motion. *Research in Social and Administrative Pharmacy*, 20(6), 152-155.

(2024). In M. F. Powers & D. R. Bright (Eds.), *The Pharmacy Technician* (8e ed.). Toronto, Ontario: Perspective Press/Tophatmonocle Corp.

Covyeou, Jill

Bernknopf, A. C., Koski, R. R., Konieczny, A. M., Covyeou, J. A., Klepser, M. E. (2024). Multiplex CLIA-waived point-of-care tests for SARS-CoV-2, influenza A and B, +/- other respiratory pathogens: a systematic review. *Journal of the American Pharmacists Association*, 64(4), 1-25.

deVoest, Margaret

Vavra Janes, K. L., deVoest, M. (2024). Revision of a pharmacy teaching and learning curriculum to address resident, programmatic, and accreditation demands. *Currents in Pharmacy Teaching and Learning*, 16(8).

Kelsh, S., deVoest, M., Stout, M. (2024). Influence of Implementing an Opioid Stewardship Team in the Primary Care Setting. *Hospital Pharmacy*.

Devuyst-Miller, Susan

Santee, J., Addo-Atuah, J., Arellano, R., Arif, S., Devuyst-Miller, S. A., Edwards, A., Estes, F. G., Hatcher, T., Kadakia, N., Kawaguchi-Suzuki, M., Nonyel, N. P., Seo, S. W. (2024). Working environment for historically marginalized faculty, administrators, and librarians in pharmacy education. *Currents in Pharmacy Teaching & Learning*, 16(6), 422-429.

Ding, Qian

Ding, Q., Lamberts, J. T., Konieczny, A. M., Bringedahl, T. B., Torres Garcia, K. Y. (2024). Association of Autoimmune Disorders and Disease-modifying Antirheumatic Drugs with the Risk of Alzheimer's and/or Dementia: A population study using Medicare Beneficiary Data. *Current Alzheimer Research*, 20(10), 725-737.

Dowling, Thomas

Swanson, M., Szarowicz, C., Pike, S., Schultz, C., Bachmann, A., Dowling, T. C. (2024). Novel LC-MS/MS Assay to Quantify D,L-Alpha-Difluoromethylornithine (DFMO) in Mouse Plasma. *SSRN Elsevier*.

Awdishu, L., Dowling, T. C. (2023). Evaluation of Kidney Function (Ch 60). *DiPiro's Pharmacotherapy: A Pathophysiologic Approach, 12th Edition*. New York, NY: McGraw Hill (Access Pharmacy).

Girand, Heather

DeLuca, J., Girand, H. L., Hilaire, M., Lindsey, C., Prescott Jr., W. (2024). A Mixed Methods Study of Resources Available for the Professional Development of Mid-Career Faculty. *American Journal of Pharmaceutical Education*, 88(3).

Bernknopf, A., Girand, H. L., Pontefract, B., VanLangen, K. (2024). Elevating Education: Harnessing AI Tools for Pharmacy Faculty and Students. *AACP*

Pharmacy Practice Section Winter Newsletter 2024. American Association of Colleges of Pharmacy.

Kelsh, Shelby

Kelsh, S., deVoest, M., Stout, M. (2024). Influence of Implementing an Opioid Stewardship Team in the Primary Care Setting. *Hospital Pharmacy*, 59(4), 485-488.

Klepser, Michael

Zalupski, B., Elroumi, Z., Klepser, M. E. (2024). Pharmacy-Based CLIA-Waived Testing in the United States: Trends, Impact, and the Road Ahead. *Research in Social and Administrative Pharmacy*, 20(6), 146-151.

Adams, A. J., Klepser, M. E. (2023). Pharmacist Prescribing Models for HIV Pre-exposure and Post-exposure Prophylaxis. *Annals of Pharmacotherapy*, 58(4), 434-440.

Bernknopf, A. C., Koski, R. R., Konieczny, A. M., Covyoeu, J. A., Klepser, M. E. (2024). Multiplex CLIA-waived point-of-care tests for SARS-CoV-2, influenza A and B, +/- other respiratory pathogens: a systematic review. *Journal of the American Pharmacists Association*, 64(4), 1-25.

Koski, Renee

Bernknopf, A. C., Koski, R. R., Konieczny, A. M., Covyoeu, J. A., Klepser, M. E. (2024). Multiplex CLIA-waived point-of-care tests for SARS-CoV-2, influenza A and B, +/- other respiratory pathogens: a systematic review. *Journal of the American Pharmacists Association*, 64(4), 1-25.

Kurup, Sonali

Kurup, S., Carpenter, G., Satawa, S., Amisshah, F., Lisabeth, E., Gilletto, M., Ellsworth, E. (2024). Novel analogs of 4-substituted pyrrolo[2,3-d]pyrimidines as dual-targeted mEGFR/AURKA inhibitors for lung cancer. (6-Suppl ed., vol. 84, pp. 4474). *Proceedings of the American Association for Cancer Research Annual Meeting 2024*.

Kurup, S., Gesinski, D., Assaad, K., Reynolds, A. (2024). Design, synthesis, and evaluation of dual EGFR/AURKB inhibitors as anticancer agents for non-small cell lung cancer. *Bioorg Med Chem Lett.*, 100, 129612.

Sakharkar, P., Kurup, S., Deb, S., Assaad, K., Gesinski, D. (2024). Investigating the Efficacy of EGFR-TKIs and Anti-VEGFR Combination in Advanced Non-Small Cell Lung Cancer: A Meta-Analysis. *Cancers*, 16(6), 1188.

Rogers, B., Rohde, N., Mikitaroff, J., Matson, J., Satawa, S., Amisshah, F., Kurup, S. (2023). 4-Amino-N-phenylbenzamides as dual-targeted mEGFR and AURK inhibitors and anticancer agents. (7_Suppl ed., vol. 83, pp. 5339). Philadelphia (PA): In: *Proceedings of the American Association for Cancer Research Annual Meeting 2023*.

Gesinski, D., Kurup, S. (2023). Design, synthesis and evaluation of dual-targeted mEGFR and AURK inhibitors as anticancer agents. (vol. 83). In: *Proceedings of the American Association for Cancer Research Annual Meeting 2023*.

Sakharkar, P., Kurup, S. (2023). Comparing Efficacy of Erlotinib and Bevacizumab Combination with Erlotinib Monotherapy in Patients with Advanced Non-Small Cell Lung Cancer (NSCLC): A Systematic Review and Meta-Analysis. *Diseases*, 11(4), 146.

Meny, Lisa

Chen AMH, Blakely, M. L., Daugherty, K. K., Kiersma, M. E., Meny, L. M., Pereira, R. (2024). Meaningful Connections: Exploring the Relationship Between Empathy and Professional Identity Formation. *American Journal of Pharmaceutical Education*, 88(8), 100725.

Newman, K., Richter, L. M., Meny, L. M., Arnoldi, J., Danielson, J. (2023). A Mixed-Methods Analysis of the Promotion and Tenure Process for Experiential Education Faculty. *American Journal of Pharmaceutical Education*, 87(12), 100582.

Mersfelder, Tracey

Mersfelder, T. L. (2024). *Student Pharmacists' Attitudes Towards Preparation of Herbal Home Remedies* (16th ed., pp. 5,6,14,15). History of Pharmacy SIG.

Nybo, Eric

Wang, R., Wandt, B. N., Schwartz, N., Hecht, J., Ponomareva, L., van Dissel, D., Thorson, J. S., Shaaban, K. M., Metsä-Ketelä, M., Nybo, E. (2024). Diverse combinatorial biosynthesis strategies for C – H functionalization of anthracyclines. *ACS Synthetic Biology*, 13(5), 1523-1536.

Ottney, Anne

Saadeh, C. E., Ottney, A. (2024). Cancer in women. Management of treatment complications. *Book Chapter* (3rd edition ed.). New York, NY: McGraw Hill Education.

Pontefract, Benjamin

Bernknopf, A. C., Girand, H. L., Pontefract, B., VanLangen, K. M. (2024). Elevating Education: Harnessing AI Tools for Pharmacy Faculty and Students. *AACP Connect Newsletter Winter 2024*. American Association of Colleges of Pharmacy.

Saadeh, Claire

Saadeh, C. E., Ottney, A. (2024). Cancer in women. Management of treatment complications. *Book Chapter* (3rd edition ed.). New York, NY: McGraw Hill Education. (Access Pharmacy)

Schmidt, Kyle

Schmidt, K. J. (2024). *Less, Not Loss* (1st ed., vol. 65). Lansing, Michigan

Schmidt, K. J. (2023). *We Really Need to Share* (11th ed., vol. 64). Lansing, Michigan

Falk, C. L., Dumkow, L. E., Geyer, A. C., Schmidt, K. J., Egwuatu, N. E., Langholz, J. M., Jameson, A. P. (2023). Evaluations of appropriate transmission-based precautions for non-SARS-CoV-2 respiratory viruses. *Antimicrobial Stewardship & Healthcare Epidemiology*, 3(1), e193.

Webster, R. E., Belfer, J. J., Schmidt, K. (2023). Evaluation of basal plus versus sliding scale insulin therapy on glucose variability in critically ill patients without preexisting diabetes. *Annals of Pharmacotherapy*.

Shiltz, Dane

Berry, K., Postlmayr, L., Shiltz, D. (2024). Impact of an Inpatient Pharmacist-Driven Renal Dosing Policy on Order Verification Time & Patient Safety. *SAGE Open Medicine*, 12, 1-8.

VanLangen, Kali

Crosley, M. L., Belfer, J., VanLangen, K. M., Dumkow, L. E. (2023). Perceptions of PGY1 pharmacy resident research, final projects, and associated publication outcomes. *American Journal of Health-Systems Pharmacy*.

Geyer, A. C., VanLangen, K. M., Jameson, A. P., Dumkow, L. E. (2023). Outcomes of high-dose oral beta-lactam step down therapy compared to alternative oral therapy for bacteremic urinary tract infections. *Antimicrobial Stewardship & Healthcare Epidemiology*.

Strasel, M., VanLangen, K. M., Benzer, J., Geyer, A. C., Jameson, A. P., Dumkow, L. E. (2023). HPV Vaccination Rates in 9-and-10-year-olds Following a pharmacist-led Intervention in 9-and-10-year-olds. *Journal of the American Pharmacists Association*.

Vavra Janes, Kari

Vavra Janes, K. L., deVoest, M. (2024). Revision of a pharmacy teaching and learning curriculum to address resident, programmatic, and accreditation demands. *Currents in Pharmacy Teaching and Learning*, 16(8).

3.0 PRESENTATIONS

Amissah, Felix

Perry, L. E., Armstrong, K. E., York, H., Poku, R. A., Alan, J. P., Amissah, F., 2023 Student Research Symposium, "PUFAs and R-ketorolac inhibit lung cancer metastatic process through Rho GTPase signaling," Ferris State University, Big Rapids, MI. (September 15, 2023).

Zalupski, B., Korhorn, E., Brekke, G., Jordan, E., Brown, K., Birely, P., York, H., Armstrong, K., Amissah, F., Ward, T. D., Mid-SURE 2023, "Promising PPAR (Peroxisome Proliferator Advanced Receptor) Molecules as Treatment for

Alzheimer's Disease and Decreased Neuroinflammation," Michigan State University, East Lansing, Michigan. (July 26, 2023).

Perry, L., York, H., Poku, R. A., Alan, J. P., Amisshah, F., AACP Pharmacy Education 2023 meeting, "PUFAs and NSAIDs inhibit lung cancer metastatic process through Rho GTPase signaling," American Association of Colleges of Pharmacy, 1400 Crystal Drive, Suite 300, Arlington, VA 22202. (July 24, 2023).

Axford, Katie

Axford, K. L., Spring Seminar, "Implicit Bias Training: Ageism," Ferris State University College of Pharmacy, Big Rapids, MI. (May 21, 2024).

Axford, K. L., Clarke, B., MPA Annual Convention and Exposition, "It's Okay to Ask: Talking to Patients About Sexual Health," Michigan Pharmacists Association, Detroit, MI. (February 23, 2024).

Axford, K. L., Kelsh, S., Ding, Q., Pharmacy Education 2023, "Promoting Student Professional Identity Formation with Financial Support to Attend Professional Conferences," American Association of Colleges of Pharmacy, Aurora, CO. (July 25, 2023).

Axford, K. L., Pharmacy Education 2023, "SOARing to Success: Enhancing Social & Emotional Learning for Student Goal Attainment," American Association of Colleges of Pharmacy, Aurora, CO. (July 23, 2023).

Axford, K. L., Annual Preceptor Conference, "College Updates: Co-Curriculum Passport," Ferris State University College of Pharmacy, Grand Rapids, MI. (July 19, 2023).

Bailey, Teresa

Bailey, T. M., Lambda Kappa Sigma Annual Convention, "Thyme for an Herbal Update in Women's Health," Lambda Kappa Sigma, Norfolk, VA. (July 2023).

Bernknopf, Allison

Goldwire, M. A., Johnson, S. T., Abdalla, M., Bernknopf, A. C., Colella, A., Kehr, H. A., Kier, K., May, D., May, J. R., Picone, M. F., Saad, M., Thomby, K. A., Ward, K., 2023 ACCP Annual Meeting, "Preventing the Spread of Medical Misinformation: A Comprehensive Framework," American College of Clinical Pharmacy, Dallas, TX. (November 13, 2023).

Bright, David

Bade, L., Bright, D. R., Michigan Pharmacists Association Annual Convention and Exposition, "Embracing clinical autonomy: Strategies to enhance consistency and efficiency," Michigan Pharmacists Association, Detroit, MI. (February 24, 2024).

Cropp, C., Baugh, G., Calinski, D., Bright, D. R., Petry, N., American Association of Colleges of Pharmacy Annual Meeting, "The ripple effect: Broadening the influence of pharmacogenomics (PGx) through interprofessional education

(IPE)," American Association of Colleges of Pharmacy, Colorado. (July 24, 2023).

Megan, K., Soric, M., Bright, D. R., Seegert, M., American Association of Colleges of Pharmacy Annual Meeting, "Is tenure included in the contemporary prescription for pharmacy practice faculty?," American Association of Colleges of Pharmacy, Colorado. (July 23, 2023).

Coveyou, Jill

Coveyou, J. A., Substance Use Disorder Project ECHO, "Pharmacologic and Non-Pharmacologic Approaches to Chronic Pain Management in Patient's with Substance Use Disorder," Saginaw Valley State University, zoom. (June 19, 2024).

Coveyou, J. A., Pharmacy Grand Rounds, "Mission Impossible: Treating Pain in Patient's With Substance Use Disorder," Michigan Center for Rural Health, Zoom. (May 7, 2024).

Coveyou, J. A., Substance Use Disorder Project ECHO, "The ABC's of UDS," Saginaw Valley State University, Zoom. (April 3, 2024).

Coveyou, J. A., Substance Use Disorder Project ECHO, "Risk Reduction: Overdose Prevention and Management of Prescribed Opioids," Saginaw Valley State University, Zoom. (December 6, 2023).

deVoest, Peggy

Leeman, C., Gotberg, E., deVoest, M., Kelsh, S., Klepser, M., Midyear Clinical Meeting 2023, "Analysis of Antibiotic Prescribing Habits Using the Collaboration to Harmonize Antimicrobial Registry Measure During Transitions of Care," ASHP, Anaheim, CA. (December 4, 2023).

Kelsh, S., deVoest, M., Bronz, H., 2023 ACCP Annual Meeting, "Student Identified Interventions in Transitions of Care (TOC)," American College of Clinical Pharmacy, Dallas, TX. (November 13, 2023).

Vavra Janes, K. L., deVoest, M., National Pharmacy Preceptors Conference, "Revision of a teaching and learning curriculum in consideration of accreditation standards for postgraduate residency programs," ASHP, Virtual. (October 4, 2023).

Devuyst-Miller, Susan

Devuyst-Miller, S. A., WMSHP Spring Seminar, "Let's Talk about Sex Baby: Let's Talk about SOGI: Addressing biases in healthcare," WMSHP, Grand Rapids. (May 7, 2024).

Devuyst-Miller, S. A., N/A, "Implicit Bias Training: Disability," Ferris State University, Grand Rapids. (April 15, 2024).

Devuyst-Miller, S. A., SVSU Perinatal SUD ECHO, "The Fourth Trimester," Saginaw Valley State University, Virtual. (April 10, 2024).

Devuyst-Miller, S. A., SVSU Perinatal SUD ECHO, "Breastfeeding and Bonding," Saginaw Valley State University, Virtual. (February 14, 2024).

Devuyst-Miller, S. A., "Pain and Controlled Substance Continuing Education Program," Michigan Optometric Association, Lansing, MI. (October 2023).

Ding, Qian

Ding, Q., Grazia, S. A., Steiner, T. L., Larson, R. A., Pharmacy Education 2023, "Assessing Medication Safety in PharmD Education in the United States," American Association of Colleges of Pharmacy, Aurora, Colorado. (July 25, 2023).

Axford, K. L., Kelsh, S., Ding, Q., Pharmacy Education 2023, "Promoting Student Professional Identity Formation with Financial Support to Attend Professional Conferences," American Association of Colleges of Pharmacy, Aurora, Colorado. (July 25, 2023).

Edwards, A., Leslie, K. F., Karwa, R., Ding, Q., Sjoquist, L., Wollen, J., Dang, D., Arif, S., Gavaza, P., Knebel, J., Suzuki, M., Arellano, R., Pharmacy Education 2023, "We Are in This Together: Identifying Needs of Pharmacy Faculty for Formal Cultural Competency Training," American Association of Colleges of Pharmacy, Aurora, Colorado. (July 25, 2023).

Elder, Jodie

Elder, J. L., Ferris State University The 71st Annual Pharmacy Spring Seminar, "Shedding Light on Dual GIP/GLP and GLP-1 Agonist Use in Treatment of Type 2 Diabetes and Weight Management :0112-9999-24-347-L01-P/T," Ferris State University, Big Rapids, MI. (May 20, 2024).

Elder, J. L., University of Michigan Health-West 22nd Annual Research Day, "Feasibility of remote blood pressure monitoring in a high-risk postpartum population: a pilot program Marissa Lown", Jordan Craig, MD, Jeff Postlewaite, DO, Jodie Elder, PharmD, Margo Schlewitz, MS, Kim Sorn, BS, Ciera Wesley, RN, University of Michigan Health-West. (April 26, 2024).

Elder, J. L., University of Michigan Health-West 22nd Annual Research Day, "Prevalence and Factors Associated with Insulin Overbasalization in a Family Medicine and Internal Medicine Residency Clinic", Jeffrey Chiambretti, DO; Anne Tran, DO; Mkrtych Serobyan, DO; Jodie Elder, Pharm D; Leezanne Zeng, DO; Kane Marciniak, PharmD Candidate, University of Michigan Health-West. (April 26, 2024).

Dowling, Thomas C.

Dowling, T. C., 2024 International Conference on Polyamine Disorders, "Systemic PK exposure of DFMO in ICPD Patients," Michigan State University/Corewell Health, Grand Rapids, MI. (June 18, 2024).

Dowling, T. C., 2024 McLaren Interprofessional Continuing Education, "Pitfalls in Estimating Kidney Function," McLaren Health System, McLaren Bay Region. (April 25, 2024).

Girand, Heather

DeLuca, J., Girand, H. L., Hillaire, M. L., Lindsey, C. C., Prescott Jr., W. A., Pharmacy Education 2023 - AACP Annual Meeting, "A Mixed Methods Exploration of Mid-Career Faculty Professional Development Resources to Foster Career Advancement," AACP, Aurora, CO. (July 23, 2023).

DeLuca, J., Girand, H. L., Prescott Jr., W. A., Evand, J., Hillaire, M. L., Lindsey, C., Pharmacy Education 2023 - AACP Annual Meeting, "Fanning the flames of faculty professional development: How to keep the fire going," AACP, Aurora, CO. (July 23, 2023).

Kelly, Michelle

Kelly, M., Stewart, B., Farris, K., Annual Convention & Exposition, "Developing a Roadmap for Enhancing Community Pharmacy Practice: Navigating the Speed Bumps and Potholes," Michigan Pharmacists Association, Detroit, Michigan. (February 23, 2024).

Kelly, M., "Smoking Cessation Pharmacotherapy," Tobacco Free Network of Michigan, Virtual. (February 20, 2024).

Kelsh, Shelby

Kelsh, S., 2024 Annual Convention & Exposition, "Rethinking Race and Hypertensive Treatment," MPA, Detroit, MI. (February 24, 2024).

Leeman, C., Gotberg, E., deVoest, M., Kelsh, S., Klepser, M., Midyear Clinical Meeting 2023, "Analysis of Antibiotic Prescribing Habits Using the Collaboration to Harmonize Antimicrobial Registry Measure During Transitions of Care," ASHP, Anaheim, CA. (December 4, 2023).

Kelsh, S., deVoest, M., Bronz, H., 2023 ACCP Annual Meeting, "Student Identified Interventions in Transitions of Care (TOC)," American College of Clinical Pharmacy, Dallas, TX. (November 13, 2023).

Axford, K. L., Kelsh, S., Ding, Q., Pharmacy Education 2023, "Promoting Student Professional Identity Formation with Financial Support to Attend Professional Conferences," American Association of Colleges of Pharmacy, Aurora, Colorado. (July 25, 2023).

Kiriazis, Chase

McWilliams, D., Kier, K. L., Kiriazis, C., Block, M., Hinson, J., Smith, M., APhA 2024 Annual Meeting & Exposition, "Exploring Imposter Phenomenon and Professional Identity Among Student Pharmacists," American Pharmacists Association (APhA), Orlando, Florida. (March 23, 2024).

McWilliams, D., Kier, K. L., Kiriazis, C., Hinson, J., Block, M., Smith, M., ASHP 2023 Midyear Clinical Meeting & Exhibition, "Examining the Relationship Between Professional Identity and Imposter Phenomenon in 2024 PharmD Candidates," American Society of Health-System Pharmacists (ASHP), Anaheim, California. (December 5, 2023).

Klepser, Michael

Dahal, K., Klepser, M. E., Pontefract, B., Sohn, M., AMIA 2024 Clinical Informatics Conference, "Collaboration to Harmonize Antimicrobial Registry Measures (CHARM)," American Medical Information Association, Minneapolis, MN. (May 21, 2024).

Klepser, M. E., "Applying best practices for expedited partner therapy within emergency departments, pharmacies, and state health departments," NY Training Center. (March 7, 2024).

Klepser, M. E., Organization for Safety, Asepsis and Prevention (OSAP). Atlanta, Georgia, "Measuring Antibiotic Use in Dentistry - Collaboration to Harmonize Antimicrobial Registry Measures (CHARM)." (February 3, 2024).

Klepser, M. E., Pontefract, B., Young, M., "The Health Deli, Season 3." (2023).

Parat, R., Brillantes, K., Thill, P., Klepser, M. E., ASHP Midyear Clinical Meeting Poster Session, "Concordance of pediatric amoxicillin-clavulanate suspension formulation selection and dosing regimen." (December 3, 2023).

Klepser, M. E., Arkansas Antimicrobial Stewardship 2023, "Practical Approaches to Outpatient Stewardship." (November 2, 2023).

Klepser, M. E., Pontefract, B., Ferris Homecoming, "Role of Community Pharmacists in Antimicrobial Stewardship," Ferris State University, Ferris State University College of Pharmacy Big Rapids Campus. (September 30, 2023).

Klepser, M. E., Dr. John G Bartlett Memorial Education Series, "2023 Flu Season: Why Timely Testing and Treatment Are Key to Staying Healthy," IDSA. (September 26, 2023).

Klepser, M. E., Joint Commission of Pharmacy Practitioners, "Implementing New Pharmacist Services." (September 14, 2023).

Klepser, M. E., NABP District IV, "Test-and-Treat: Utilizing POCT and Pharmacist Prescribing to Enhance Care," Rosemont, IL. (September 7, 2023).

Klepser, M. E., Next Gen Dx, "Use of CLIA-Waived and Home Diagnostics to Support Outpatient Antimicrobial Stewardship." (August 23, 2023).

Kurup, Sonali

Kurup, S., Research and practice roundtable, College of Pharmacy, Ferris State University, "Kurup, S. Dual-targeted mEGFR/AURK inhibitors for non-small cell lung cancer.," College of Pharmacy, Ferris State University. (September 14, 2023).

Kurup, S., Department of Pharmaceutical Sciences Seminar Series, Feik School of Pharmacy, University of the Incarnate Word, "Kurup, S. Dual-targeted mEGFR/AURK inhibitors for non-small cell lung cancer.," University of the Incarnate Word, Virtual. (September 8, 2023).

Larson, Rodney

Ding, Q., Grazia, S. A., Steiner, T. L., Larson, R. A., Pharmacy Education 2023, "Assessing Medication Safety in PharmD Education in the United States," American Association of Colleges of Pharmacy, Aurora, Colorado. (July 25, 2023).

Meny, Lisa

Meny, L. M., Michigan Society of Health-System Pharmacists Annual Meeting, "Inclusion of SDoH Education in Pharmacy Training Programs," Michigan Society of Health-Systems Pharmacists, Lansing, MI. (October 27, 2023).

Chen, A. M.H., Blakely, M. L., Meny, L. M., Daugherty, K. K., Kiersma, M., Pereira, R., AACP Annual Meeting, "A systematic review exploring the linkages between empathy development and professional identify formation," American Association of Colleges of Pharmacy, Aurora, Colorado. (July 24, 2023).

Meny, L. M., Franks, A., Fulford, M., AACP Annual Meeting, "The Triangle of Trust: Toward a Framework of Entrustable Inclusive Leadership in Pharmacy Education," American Association of Colleges of Pharmacy, Aurora, Colorado. (July 24, 2023).

Meny, L. M., Annual Preceptor Conference, "Inclusive Experiential Learning Environments," Ferris State University. (July 19, 2023).

Mersfelder, Tracey

Setzer, K. M., Baldwin, N. P., Mersfelder, T. L., Kelly, M. E., The 42nd Annual Kalamazoo Medical and Health Sciences Research Day, "A case of tizanidine and lisinopril interaction causing hypotension," Western Michigan University Homer Stryker MD School of Medicine, Kalamazoo. (April 4, 2024).

Sadasivan, R., Zahid, I., Mersfelder, T. L., Meck, B., The 42nd Annual Kalamazoo Medical and Health Sciences Research Day, "A case report: Rhabdomyolysis induced by avelumab in urothelial carcinoma," Western Michigan University Homer Stryker MD School of Medicine, Kalamazoo. (April 4, 2024).

Mullikin, A., Garber, K., Thomas, T., Milbocker, R., Mersfelder, T. L., Kavanaugh, K. J., The 42nd Annual Kalamazoo Medical and Health Sciences Research Day,

"Utility of a heart failure medication poster in an internal medicine/medicine-pediatrics/family medicine clinic," Western Michigan University Homer Stryker MD School of Medicine, Kalamazoo. (April 4, 2024).

Zahid, I., Terrio, M., Crumm, I. T., Khan, Z., Graham, B., Ranjith, A., Mersfelder, T. L., Kavanaugh, K. J., The 42nd Annual Kalamazoo Community Medical and Health Sciences Research Day, "Weight management: A resource poster for enhancing treatment selection," Western Michigan University Homer Stryker MD School of Medicine, Kalamazoo. (April 4, 2024).

Mersfelder, T. L., Western Michigan University Homer Stryker MD School of Medicine Conference, "Treatment of gout in patients with diabetes," Western Michigan University Homer Stryker MD School of Medicine, Kalamazoo. (March 6, 2024).

Thomas, T., Bannon, S. F., Mersfelder, T. L., Baker, J. K., 2023 Michigan Chapter Annual Scientific Meeting, "Nitrofurantion is a common cause of drug-induced liver injury which can occur even after prolonged use," American College of Physicians - Michigan Chapter, Bellaire, Michigan. (October 20, 2023).

Mullikin, A., Garber, K., Thomas, T., Millbocker, R., Mersfelder, T. L., Kavanaugh, K. J., Medicine-Pediatrics Program Directors Association Regional Meeting, "A quality improvement project: Utility of a heart failure poster in an Internal Medicine/Medicine-Pediatric/Family Medicine clinic.," Medicine-Pediatrics Program Directors Association, Kalamazoo, Michigan. (September 27, 2023).

Sadasivan, R., Zahid, I., Merritt, J. F., Mersfelder, T. L., Medicine-Pediatrics Program Directors Association Regional Meeting, "A report of rhabdomyolysis following the use of avelumab.," Medicine-Pediatrics Program Directors Association, Kalamazoo, Michigan. (September 27, 2023).

Nybo, Eric

Nybo, E., Leiden University - Convened Anthracycline Mini-Meeting, "Streptomyces² (Streptomyces squared): From BioBricks® to CUBICs," Leiden University, Leiden, Netherlands. (June 19, 2024).

Nybo, E., Ferris State University Honors Program - Lunch and Learn, "Engineering of natural products," Ferris State University, Honors Program Students, Ferris State University, Big Rapids, Main Campus. (October 3, 2023).

Nybo, E., College of Pharmacy Alumni Advisory Board, "Program Update: Research updates in the Nybo Laboratory," Ferris State University, College of Pharmacy, Dean's Office, Ferris State University, Big Rapids, Main Campus. (September 29, 2023).

Ottney, Anne

Ottney, A. R., Gerontological Advanced Practice Nurses Association 2024 Pharmacology Conference, "2023 COPD GOLD Standard Update: Focus on Pharmacotherapy," Gerontological Advanced Practice Nurses Association, Chicago, IL. (March 22, 2024).

Pontefract, Benjamin

Pontefract, B., Spring Seminar 2024, "Artificial Intelligence in Healthcare," Ferris State University College of Pharmacy, Big Rapids, Michigan. (May 21, 2024).

Dahal, K., Klepser, M. E., Pontefract, B., Sohn, M., AMIA 2024 Clinical Informatics Conference, "Collaboration to Harmonize Antimicrobial Registry Measures (CHARM)," American Medical Information Association, Minneapolis, MN. (May 21, 2024).

Starmer, S., Klepser, M., Pontefract, B., Dahal, K., Torney, N., Sohn, M., AMCP NEXUS 2024, "Outpatient Fluoroquinolone use in a Michigan Health System," Academy of Managed Care Pharmacists, New Orleans. (April 15, 2024).

Pontefract, B., Pharmacy Grand Rounds, "Artificial Intelligence in Healthcare," Corewell Health, Virtual. (January 29, 2024).

Klepser, M. E., Pontefract, B., Young, M., "The Health Deli, Season 3." (2023).

Klepser, M. E., Pontefract, B., Ferris Homecoming, "Role of Community Pharmacists in Antimicrobial Stewardship," Ferris State University, Ferris State University College of Pharmacy Big Rapids Campus. (September 30, 2023).

Pontefract, B., MacFarlane, T., Ferris Preceptor Conference, "Artificial Intelligence in Health Care," Ferris State University, Virtual. (July 19, 2023).

Raguckas, Sarah

Raguckas, S. E., Akrawi, C., Phillips, T., "Question and Answer Session Regarding Parkinson's Disease Medications and Nutritional Supplements," Grand Rapids, MI. (June 11, 2024).

Raguckas, S. E., Neuropsychiatry Educational Session, "Medications Influencing Cognition and Dementia Treatment Options," CoreWell Health, Grand Rapids, MI. (May 3, 2024).

Raguckas, S. E., Great Lakes Parkinson's Symposium, "Nutrition in Parkinson's," Parkinson's Foundation, Downtown Market, Grand Rapids. (November 14, 2023).

Raguckas, S. E., West Michigan Parkinson's Support Group, "Review of Medication's for Parkinson's Disease," Muskegon, Mi. (September 6, 2023).

Raguckas, S. E., FSU Preceptor Conference, "Updates from the Conduct Committee," Ferris State University, Virtual. (July 19, 2023).

Saadeh, Claire

Saadeh, C. E., CAPA CE Program, "Recent Updates in Pain Management," Michigan Pharmacists Association, Lansing, MI. (January 29, 2024).

Saadeh, C. E., Matson, J., Baldwin, N., Zawacki, Z., ASHP Midyear Clinical Meeting, "Unveiling the Hidden Interaction: A Retrospective Analysis of Gastric Acid Suppressants and Anticancer Therapies," ASHP, Anaheim, CA. (December 2023).

Saadeh, C. E., CE Presentation to Speech Language Pathologists, "Pain Management Overview for Healthcare Providers," West Ottawa ISD, Virtual. (October 19, 2023).

Saadeh, C. E., Heriford, M., Fletcher, J., SCS Educational Conference, "Palliative Care: It's a Team Sport," Michigan State University College of Osteopathic Medicine, Virtual. (September 28, 2023).

Saadeh, C. E., Sparrow Pharmacy Seminar, "Oral Anticancer Agents: Not Just an Ordinary Pill," Sparrow Health System Dept of Pharmacy, Lansing, MI. (September 27, 2023).

Salvati, Lisa

Boerckel, H., Worden, L., Salvati, L. A., Jameson, A., Dumkow, L., IDWeek 2023, "Impact of Altered Mental Status on Antibiotic Prescribing in Patients with Pyuria," Infectious Diseases Society of America, Society for Healthcare Epidemiology of America, the HIV Medicine Association, the Pediatric Infectious Diseases Society, and the Society of Infectious Diseases Pharmacists, Boston, MA. (October 2023).

Schmidt, Kyle

Schmidt, K., McLaren Pharmacologic Updates, "Acute Coronary Syndrome," McLaren Health Care. (May 30, 2024).

Schmidt, K., 71st Annual Spring Seminar, "Cracking pharmacy oysters for clinical pearls," Ferris State University College of Pharmacy, Big Rapids, Michigan. (May 21, 2024).

Schmidt, K., Spring Seminar, "Getting a fresh picture of the changing ischemic stroke landscape," West Michigan Society of Health-Systems Pharmacists, Grand Rapids, Michigan. (May 7, 2024).

Marshall, K., Ellena, K., Yetsko, A., Schmidt, K. J., Great Lakes Pharmacy Resident Conference, "Characterization of risk for dexmedetomidine withdrawal in the intensive care unit," West Lafayette, Indiana. (April 26, 2024).

Schmidt, K., McLaren Pharmacologic Updates, "Updates in Heart Failure Management," McLaren Health Care. (July 27, 2023).

Shiltz, Dane

Shiltz, D., Thompson, J., Ogbonna, K., Stubbs, D., "Navigating New Avenues: Effective Approaches to Recruit Future Pharmacy Students," AACP, Virtual. (October 3, 2023).

Shiltz, D., American Association of Colleges of Pharmacy (AACP) Annual Meeting 2023 Admissions Workshop: Reaching New Heights in Recruitment, Admissions, and Student Success!, "Using a Mannequin to Introduce Fundamental Curriculum Concepts to Prospective Pharmacy Students During Recruitment Encounters," American Association of Colleges of Pharmacy (AACP), Denver, CO. (July 21, 2023).

Smith, Curtis

Smith, C. L., Michigan Center for Rural Health CE Presentation, "Heart Failure – Optimizing Medical Therapy," Michigan Center for Rural Health, Virtual. (December 13, 2023).

Smith, C., Sparrow Pharmacists Seminar, "Tensions Running High? Blood Pressure Management," Sparrow Health System, Lansing, MI. (December 12, 2023).

Sohn, Minji

Dahal, K., Klepser, M. E., Pontefract, B., Sohn, M., AMIA 2024 Clinical Informatics Conference, "Collaboration to Harmonize Antimicrobial Registry Measures (CHARM)," American Medical Information Association, Minneapolis, MN. (May 21, 2024).

Richardson, C., Backus, K., Klepser, M., Pontefract, B., Dahal, K., Sohn, M., American Society of Health-system Pharmacists (ASHP) Midyear Clinical Meeting and Exhibition, "Low Rate of Concordant Antibiotic Selection among Ambulatory Patients with Renal Impairment," American Society of Health-system Pharmacists (ASHP), Anaheim, CA. (December 4, 2023).

Holmquist, H., Mesman, A., Sohn, M., Klepser, M., American Society of Health-system Pharmacists (ASHP) Midyear Clinical Meeting and Exhibition, "Utilizing Collaboration to Harmonize Antimicrobial Registry Measures (CHARM) Data to Assess Trends of Sexually Transmitted Infections in Outpatient Clinics," American Society of Health-system Pharmacists (ASHP), Anaheim, CA. (December 4, 2023).

Hallada, M., de Voest, A., Sohn, M., Klepser, M., American Society of Health-system Pharmacists (ASHP) Midyear Clinical Meeting and Exhibition, "Validation of CHARM at Trinity Health Muskegon," American Society of Health-system Pharmacists (ASHP), Anaheim, CA. (December 4, 2023).

Farhat, N., Sohn, M., Green, A., Kramer, A., MSHP Workshop, "Working through the impossible - Application of ambulatory care dashboards," Michigan Pharmacists Association, Virtual. (November 14, 2023).

Jenkins, T., Green, A., Sohn, M., MSHP Annual Meeting, "Dashboard Development and Implementation in Ambulatory Care Practice," Michigan Pharmacists Association, Lansing, MI. (October 27, 2023).

Sohn, M., Freeman, P. R., Talbert, J., Xu, Y., Jadhav, E., Cheng, Y., Delcher, C., Addiction Health Services Research Conference, "Trends in naloxone dispensing from retail pharmacies in the United States during the COVID-19 immediate post-emergency period," Institute of Public and Preventive Health, New York, NY, USA. (October 19, 2023).

Thill, Paul

Carr, M., Thill, P., ASHP Midyear Clinical Meeting Poster Session, "Implementation of a sample selection strategy for meningitis/encephalitis PCR filmarray: a quality improvement project." (December 9, 2023).

Parat, R., Brillantes, K., Thill, P., Klepser, M. E., ASHP Midyear Clinical Meeting Poster Session, "Concordance of pediatric amoxicillin-clavulanate suspension formulation selection and dosing regimen." (December 3, 2023).

Elladki, H., Thill, P., ACCP Annual Meeting, "Buprenorphine Withdrawal in an Infant after Cessation of Breastfeeding: A Case Report and Review of the Literature." (October 17, 2023).

VanLangen, Kali

Ankorus, H., Bradley, C., Fiano, K., Porter, A., VanLangen, K. M., AACP Webinar, "Spread the wealth: Strategies and best practices for using non-skills laboratory instructors for feedback and grading on student performance," AACP Laboratory Instructors & Assessment SIGs. (February 21, 2024).

Paulsen, G., VanLangen, K. M., Pharmacy Education 2023, "Breaking the Stigma: Unveiling the Truth About Fear of Failure in First Year Pharmacy Students," American Association of Colleges of Pharmacy, Aurora, CO. (July 25, 2023).

Vanloo, Dean

Vanloo, D. A., WMSHP General Meeting, "Unstaphable," WMSHP, Kalamazoo. (October 12, 2023).

Vavra Janes, Kari

Brillantes, K., Ice, C., Vavra Janes, K. L., Midyear Clinical Meeting & Exhibition, "Retrospective observational evaluation of N-acetylcysteine in the treatment of idiosyncratic drug-induced liver injury," ASHP, Anaheim, CA. (December 4, 2023).

Vavra Janes, K. L., deVoest, M., National Pharmacy Preceptors Conference, "Revision of a teaching and learning curriculum in consideration of accreditation standards for postgraduate residency programs," ASHP, Virtual. (October 4, 2023).

Ward, Tracey

Korhorn, E., Zalupski, B., Brekke, G., Jordan, E., Brown, K., Birely, P., York, H., Stoddard, K., Maloney, P., Amissah, F., Ward, T. D., VanAndel Research Symposium, "Promising PPAR- α (Peroxisome Proliferator Advanced Receptor) Analogues as Treatment for Alzheimer's Disease and Decreased Neuroinflammation," VanAndel, Grand Rapids, MI. (November 4, 2023).

Korhorn, E., Brekke, G., Jordan, E., Brown, K., Birely, P., York, H., Armstrong, K., Amissah, F., Ward, T. D., FSU Celebration of Research, "Promising PPAR Molecules as Treatment for Alzheimer's Disease and Decreased Neuroinflammation," Ferris State University, Big Rapids, MI. (September 15, 2023).

Zalupski, B., York, H., Korhorn, E., Brekke, G., Strickland, N., Aldiney, B., Birely, P., Ward, T. D., American College of Clinical Pharmacology, "Drug Discovery of PPAR Agonists as Novel Treatments for Alzheimer's Disease," ACCP, Dallas, Texas. (September 9, 2023).

Korhorn, E., Zalpusky, B., Brekke, G., Armstrong, K., Birely, P., Jordan, E., Brown, K., Amissah, F., Ward, T. D., Mid-SURE 2023, "Promising PPAR (Peroxisome Proliferator Advanced Receptor) molecules as treatment for Alzheimer's Disease and decreased neuroinflammation.," Michigan State University, Lansing, MI. (July 26, 2023).

Young PharmD, BCSCP, Mark (Associate Professor)

Klepser, M. E., Pontefract, B., Young, M., "The Health Deli Season 4." (2024)
(Podcast)

Klepser, M. E., Pontefract, B., Young, M., "The Health Deli, Season 3." (2023)
(Podcast)

4.0 INTELLECTUAL PROPERTY

Kurup, Sonali

Patent Issued: [US 11,814,388 B1](#) "SUBSTITUTED PYRROLO[2,3-D]PYRIMIDINES AS INHIBITORS FOR MULTIRESISTANT CANCERS" (Nov. 14, 2023)