

FERRIS STATE UNIVERSITY

COLLEGE OF PHARMACY

Interoffice Memorandum
College of Pharmacy
Office of the Dean
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TO: All College of Pharmacy and FSU Community Members and Alumni
From: Thomas Dowling, Assistant Dean, Professional Development and Research
Date: December 20, 2019
RE: FY19 College of Pharmacy Scholarly Activity Report (July 1, 2018 - June 30, 2019)

1.0 GRANTS AND CONTRACTS (Externally Funded)

PHARMACEUTICAL SCIENCES DEPARTMENT

Faculty	Sponsor and Award Details
Sahr, Michelle	Michigan Pharmacy Foundation Project Title: Nicotine Replacement Therapy (NRT) Treatment and Behavioral Support for Electronic Nicotine Delivery Systems (ENDS) Cessation Start Date: 1/1/19 Total Costs: \$10,819
Nybo, Eric	American Society of Pharmacognosy Project Title: Metabolic engineering of novel branched-chain sugar pathways for production of novel tetracenomycins Start Date: 6/1/19 Total Costs: \$5,000

PHARMACY PRACTICE DEPARTMENT

Faculty	Sponsor and Award Details
Elder, Jodie; Sexton, Scott	Metro Health Integrated Network Project Title: Comprehensive Medication Management Start Date: 3/5/19 Total Award: \$40,000
Covyeau, Jill	Saginaw Valley State University Project Title: Project ECHO Hub Pharmacy Services Start Date: 8/1/18 Total Award: \$18,300

2.0 PUBLICATIONS (Peer Reviewed Journals and Book Chapters)

Amissah, Felix

- Asong, G., Zhu, X. Y., Bricker, B., Andey, T., Amissah, F., Lamango, N., Ablordeppey, S. Y. (2019). New analogs of SYA013 as sigma-2 ligands with anticancer activity. *Bioorganic & medicinal chemistry*, 27(12), 2629-2636.
- Nkembo, A. T., Amissah, F., Ntantie, E., Poku, R. A., Salako, O. O., Ikpatt, O. F., Lamango, N. S. (2019). Polyisoprenylated cysteinyl amide inhibitors deplete K-Ras and induce caspase-dependent apoptosis in lung cancer cells. *Current cancer drug targets*, Mar 25. doi: 10.2174/1568009619666190325144636

Axford, Katie L.

- VanLangen, K. M., Dumkow, L., Axford, K. L., Havlichek, D., Baker, J., Drobish, I., Jameson, A. P. (2019). Evaluation of a multi-faceted approach to antimicrobial stewardship education methods for medical residents. *Infection Control & Hospital Epidemiology*, 40(11), 1236-1241. <https://doi.org/10.1017/ice.2019.253>

Bailey, Teresa M.

- Bailey, T. M., Gault, A. (2019). PMS and PMDD. *Women's Health Across the Lifespan: A Pharmacotherapeutic Approach*. Bethesda, MD: American Society of Health-system Pharmacy.

Bernknopf, Allison C.

- VanLangen, K. M., Girand, H. L., Bernknopf, A. C. (2019). Food Allergies and Sensitivities in the Pharmacy: Why They Matter. *Pharmacy Times*.
- Bernknopf, A. C., Dowling, T. C. Randomized Controlled Trials (Ch. 4). *Principles of Research Design and Drug Literature Evaluation* (2nd ed.). New York, NY: McGraw-Hill.

Bright, David R.

- Borchert, J., Phillips, J., Thompson Bastin, M., Livingood, A., Andersen, R., Brasher, C., Bright, D. R., Fahmi-Armanious, B., Leary, M.-H., Lee, J. (2019). White Paper: Best Practices: Incorporating pharmacy technicians and other support personnel into the clinical pharmacist's process of care. *Journal of the American College of Clinical Pharmacy*, 2(1), 74-81.
- Bright, D. R., Klepser, M. E., Murry, L., Klepser, D. (2018). Pharmacist provided pharmacogenetic point of care testing consultation service: a time and motion study. *Journal of Pharmacy Technology*, 34(4), 139-43.
- Bright, D. R., Mager, N. D. (2019). Preconception care and contraception services: Opportunities for community pharmacists. *Journal of the American College of Clinical Pharmacy*, 2(2), 414-22.
- Hicks, J. Kevin, Aquilante, C. L., Dunnenberger, H. M., Gammal, R. A., Funk, R. S., Aitken, S. L., Bright, D. R., Coons, J. C., Dotson, K. M., Elder, C. T., Groff, L. T., Lee, J. C. (2019). Precision pharmacotherapy: Integrating pharmacogenomics into clinical pharmacy practice. *Journal of the American College of Clinical Pharmacy*, 2(3), 303-313.
- Hilden, M. P., Bright, D. R., Kisor, D. F., Christensen, H. (2019). Pharmacogenomics: A Practical Primer for Senior Care Pharmacists. *Senior Care Pharmacist*, 34(6), 363-369.

- Mospan, C. M., Bright, D. R., Eid, D. (2018). Highlighting a gap in student pharmacist training: Intraprofessional education with pharmacy technicians. *Currents in Pharmacy Teaching and Learning*, 10(9), 1160-1164.
- Saadeh, C., Bright, D. R., Rustem, D. (2019). Precision Medicine in Oncology Pharmacy Practice. *Acta Medica Academica*, 48(1), 90-104.
- VanLangen, K. M., Meny, L. M., Seiferlein, M. R., Bright, D. R. (2019). Faculty Perceptions of Entrustable Professional Activities as a Framework for APPE Readiness. *American Journal of Pharmaceutical Education*. April 29.

deVoest, Margaret

- Meny, L. M., deVoest, M., Salvati, L. A. (2019). Assessment of student pharmacist learning within an interprofessional simulation: A comparison of small group vs. large group debriefing. *Currents in pharmacy teaching & learning*, 11(5), 533-537.

Dowling, Thomas C.

- Stockton, W., Nguyen, T., Zhang, L., Dowling, T. C. (2019). Etoposide and etoposide phosphate hypersensitivity in children: Incidence, risk factors, and prevention strategies. *Journal of Oncology Pharmacy Practice*, 1-9.
- Dowling, T. C. (2019). Chapter 8: Drugs and the Body: Basic Biopharmaceutics, Pharmacokinetics and Pharmacodynamics. *ASHP Manual for Pharmacy Technicians, 5th Edition (Bachenheimer)* (pp. 263-281). Bethesda, MD: ASHP.
- Nguyen, T., Tran, T., Dowling, T. C. (2019). Chapter 21. Principles of Drug Therapy in Reduced Kidney Function. *Kidney Protection: A Practical Guide to Preserving Renal Function in Acute and Chronic Disease* (1st Edition ed.). New York, NY: Oxford University Press.
- Bernknopf, A. C., Dowling, T. C. Randomized Controlled Trials (Ch. 4). *Principles of Research Design and Drug Literature Evaluation* (2nd ed.). New York, NY: McGraw-Hill.

Eid, Deeb

- Mospan, C. M., Bright, D. R., Eid, D. (2018). Highlighting a gap in student pharmacist training: Intraprofessional education with pharmacy technicians. *Currents in Pharmacy Teaching and Learning*, 10(9), 1160-1164.
- Eid, D. (2018). Poster Presenters Share Findings of 50-State Review of Pharmacy Technician Vaccination Administration. *NABP Innovations*, 48(7), 6-8.

Elder, Jodie L.

- Elder, J. L. (2018). Skin Disorders Chapter 30. *Pharmacy Certified Technician Training Manual* (14th ed., pp. 661-667). Lansing, MI: Michigan Pharmacists Association.

Girand, Heather L.

- Girand, H. L. (2019). Upper Respiratory Tract Infections. *Pharmacotherapy Principles and Practice* (Fifth Edition ed., pp. 1105-1120). New York, NY: McGraw-Hill Education.

Giri, Namita

- Thakur S, Singh B, Mishra V, Yadav N, Giri N, Sharma P, Saini A, Garg LK. (2019). Bilayer Tablets based chronotherapeutics in the management of nocturnal

asthma: An overview. *Recent patents on drug delivery and formulation*. 2019;13(2):74-82

Giri, N., Vinluan, C., Verdell, A., Thai, D., Ibarra, C. (2019). Interprofessional perceptions and attitudes among pharmacy and family nurse practitioner students. *Journal of Pharmacy Practice*.

Mishra, V., Yadav, N., Saraogi, G. K., Tambuwala, M. M., Giri, N. (2019). Dendrimer Based Nanoarchitectures in Diabetes Management: An Overview. *Current pharmaceutical design*, 25(23), 2569-2583.

Kelsh, Shelby

Kelsh, S., Girgis, R., Dickinson, M., McDermott, J. (2018). Everolimus Use for Intolerance or Failure of Baseline Immunosuppression in Adult Heart and Lung Transplantation. *Annals of Transplantation* (23), 744-750.

Klepser, Michael E.

Bright, D. R., Klepser, M. E., Murry, L., Klepser, D. (2018). Pharmacist provided pharmacogenetic point of care testing consultation service: a time and motion study. *Journal of Pharmacy Technology*, 34(4), 139-43.

Koski, Renee R.

Koski, R. R., Grzegorzczak, K. M. (2019). Comparison of Monoclonal Antibodies for Treatment of Uncontrolled Eosinophilic Asthma. *Journal of Pharmacy Practice*.
Koski, R. R. (2018). Blood Disorders. *Pharmacy Certified Technician Training Manual* (14th ed., pp. 601-16). Lansing, MI: MPA.

Kurup, Sonali

Namasivayam, V., Vanangamudi, M., Kramer, V. G., Kurup, S., Zhan, P., Liu, X., Kongsted, J., Byrareddy, S. N. (2019). The journey of HIV-1 non-nucleoside reverse transcriptase inhibitors (NNRTIs) from lab to clinic. *Journal of medicinal chemistry*, 62(10), 4851-4883.

Kurup, S. (2019). Three-Dimensional Visualization of Kinase Inhibitors as Therapeutically Relevant Examples To Reinforce Types of Enzyme Inhibitors. *Journal of Chemical Education*.

Kurup, S., McAllister, B., Liskova, P., Mistry, T., Fanizza, A., Stanford, D., Slawska, J., Keller, U., Hoellein, A. (2018). Design, synthesis and biological activity of N⁴-phenylsubstituted-7H-pyrrolo[2,3-d]pyrimidin-4-amines as dual inhibitors of aurora kinase A and epidermal growth factor receptor kinase. *Journal of enzyme inhibition and medicinal chemistry*, 33(1), 74-84.

Lamberts, Jennifer

Nybo, E., Lamberts, J. (2019). Integrated use of LC/MS/MS and LC/QTOF/MS targeted metabolomics with automated label-free microscopy for quantification of purine metabolites in cultured mammalian cells. *Purinergic Signaling*, 1-9.

Meny, Lisa M.

Meny, L. M., deVoest, M., Salvati, L. A. (2019). Assessment of student pharmacist learning within an interprofessional simulation: A comparison of small group vs. large group debriefing. *Currents in pharmacy teaching & learning*, 11(5), 533-537.

VanLangen, K. M., Meny, L. M., Seiferlein, M. R., Bright, D. R. (2019). Faculty Perceptions of Entrustable Professional Activities as a Framework for APPE Readiness. *American Journal of Pharmaceutical Education*. April 29.

Mersfelder, Tracey L.

LaPointe, S., Mersfelder, T. L., Shiltz, D., VanLangen, K. M. (2018). Respiratory System. *Pharmacy Certified Technician Training Manual 14th ed.* (14th ed.). Lansing, MI: Michigan Pharmacists Association.

Nybo, Eric

Nybo, E., Lamberts, J. (2019). Integrated use of LC/MS/MS and LC/QTOF/MS targeted metabolomics with automated label-free microscopy for quantification of purine metabolites in cultured mammalian cells. *Purinergic Signaling*, 1-9.

Maki, K., Brown, K., Coe, M., Sohn, M., Nybo, E. (2019). *Design of experiments and metabolic engineering approach to enhance nogalamycin production in Streptomyces nogalater*. <https://www.biorxiv.org/content/10.1101/804179v1>

Nybo, E., Kharel, M. K. (2018). Recent developments in the quest for novel microbial natural products. *Studies in Natural Products Chemistry* (vol. 59). Elsevier. <https://www.elsevier.com/books/studies-in-natural-products-chemistry/atta-ur-rahman/978-0-444-64179-3>

Ottney, Anne R.

Saadeh, C. E., Ottney, A. R. (2019). Cancer in Women: Management of Treatment Complications. *Women's Health Across the Lifespan, 2nd edition* (2nd ed.). New York, NY: McGraw-Hill.

Ottney, A. R. (2019). Opioid Peer Review Program. *ACCP Ambulatory Care Pharmacist's Survival Guide, 4th edition* (4th ed.).

Pontefract, Benjamin

Bohan, J., Madaras-Kelly, K., Pontefract, B. A., Jones, M., Neuhauser, M., Goetz, M., Zhang, R., Burke, M., Cunningham, F. (2019). Evaluation of the management of uncomplicated acute respiratory tract infections in veterans: a national utilization review. *Infect Control Hosp Epidemiol*, 40(4), 438-446.

Pontefract, B., King, B., Gothard, D., King, C. (2018). Impact of pharmacist led disease state management of diabetic patients in primary care clinics. *Innov Pharm*, 9(2),17.

Potter, Gregg S.

Britton, A. E., Potter, G. S. (2018). Urinary System. *Pharmacy Certified Technician Training Manual* (14th ed., pp. 559-566). Lansing MI: Michigan Pharmacists Association.

Potter, G. S. (2018). Reproductive System. *Pharmacy Certified Technician Training Manual* (14th ed., pp. 541-557). Lansing MI: Michigan Pharmacists Association.

Saadeh, Claire E.

Saadeh, C., Bright, D. R., Rustem, D. (2019). Precision Medicine in Oncology Pharmacy Practice. *Acta Medica Academica*, 48(1), 90-104

Saadeh, C. E., Rustem, D. (2018). Medical Marijuana Use in a Community Cancer Center. *Journal of Oncology Practice*, 14(9), e566-e578.

- Saadeh, C. E., Ottney, A. R. (2019). Cancer in Women: Management of Treatment Complications. *Women's Health Across the Lifespan, 2nd edition* (2nd ed.). New York, NY: McGraw-Hill.
- Saadeh, C. E. (2018). Cancer. *Pharmacy Certified Technician Training Manual* (14th ed., pp. 669-686). Lansing, MI: Michigan Pharmacists Association.

Salvati, Lisa A.

- Meny, L. M., deVoest, M., Salvati, L. A. (2019). Assessment of student pharmacist learning within an interprofessional simulation: A comparison of small group vs. large group debriefing. *Currents in pharmacy teaching & learning, 11*(5), 533-537.
- Date Published: May 1, 2019

Seiferlein, Mandy R.

- VanLangen, K. M., Meny, L. M., Seiferlein, M. R., Bright, D. R. (2019). Faculty Perceptions of Entrustable Professional Activities as a Framework for APPE Readiness. *American Journal of Pharmaceutical Education*. April 29.

Sexton, Scott

- Sexton, S. M., Armstrong, A., Gatton, O., Rhodes, L. A., Marciniak, M. W. (2019). A standardized team-based approach for identifying naloxone-eligible patients in a grocery store pharmacy. *Journal of the American Pharmacists Association: JAPhA, 59*(4S), S95-S100.

Shiltz, Dane

- LaPointe, S., Mersfelder, T. L., Shiltz, D., VanLangen, K. M. (2018). Respiratory System. *Pharmacy Certified Technician Training Manual 14th ed.* (14th ed.). Lansing, MI: Michigan Pharmacists Association.

Smith, Curtis L.

- Stein, G. E., Smith, C. L., Scharmen, A., Kidd, J. M., Cooper, C., Kuti, J., Mitra, S., Nicolau, D. P., Havlichek, D. H. (2018). Pharmacokinetic and Pharmacodynamic Analysis of Ceftazidime/Avibactam in Critically Ill Patients. *Surgical infections, 20*(1), 55-61.

Sohn, Minji

- Sohn, M., Talbert, J. C., Huang, Z., Lofwall, M. R., Freeman, P. R. (2019). Association of Naloxone Coprescription Laws With Naloxone Prescription Dispensing in the United States. *JAMA network open, 2*(6), e196215.
- Yang, B. K., Storr, C. L., Trinkoff, A. M., Sohn, M., Idzik, S. K., McKinnon, M. (2018). National opioid prescribing trends in emergency departments by provider type: 2005-2015. *The American journal of emergency medicine, 37*(8):1439-1445.
- Maki, K., Brown, K., Coe, M., Sohn, M., Nybo, E. (2019). *Design of experiments and metabolic engineering approach to enhance nogalamycin production in Streptomyces nogalater*. <https://www.biorxiv.org/content/10.1101/804179v1>
- Sohn, M. (2019). Special population studies to inform medication safety - pediatrics. *Encyclopedia of Pharmacy Practice and Clinical Pharmacy*. Elsevier.

VanLangen, Kali M.

- VanLangen, K. M., Dumkow, L., Axford, K. L., Havlichek, D., Baker, J., Drobish, I., Jameson, A. P. (2019). Evaluation of a multi-faceted approach to antimicrobial stewardship education methods for medical residents. *Infection Control & Hospital Epidemiology*, 40(11), 1236-1241.
- VanLangen, K. M., Meny, L. M., Seiferlein, M. R., Bright, D. R. (2019). Faculty Perceptions of Entrustable Professional Activities as a Framework for APPE Readiness. *American Journal of Pharmaceutical Education*. April 29.
- Anksorus, H., Porter, A., Bradley, C., VanLangen, K. M., Donohoe, K. (2019). Establishing a Successful Teaching Assistant Program in Pharmacy Skills Laboratory Courses. *Currents in pharmacy teaching & learning*, 11(8), 760-766
- LaPointe, S., Mersfelder, T. L., Shiltz, D., VanLangen, K. M. (2018). Respiratory System. *Pharmacy Certified Technician Training Manual 14th ed.* (14th ed.). Lansing, MI: Michigan Pharmacists Association.

Vanloo, Dean A.

- Vanloo, D. A. (2018). Immune System. *Pharmacy Certified Technician Training Manual. 14th Ed.* (14th edition ed., pp. 619-633). Lansing, MI: Michigan Pharmacists Association.

Vavra Janes, Kari L.

- Hill, S., Klonowski, P., Schrader, S., Vavra Janes, K. L. (2018). Central Nervous System. *Pharmacy Certified Technician Training Manual* (14th edition ed., pp. 423-460). Lansing, MI: Michigan Pharmacists Association.
- Vavra Janes, K. L., Kale-Pradhan, P., Verfaillie, K. (2018). Digestive System. *Pharmacy Certified Technician Training Manual* (14th edition ed., pp. 509-519). Lansing, MI: Michigan Pharmacists Association.

3.0 PRESENTATIONS (State, National, International)

Amissah, Felix

- Amissah, F., Van Baren, M., Poku, R. A., The Regulation and Function of Small GTPases Conference, "Combination of omega-3 polyunsaturated fatty acid with a cyclooxygenase inhibitor prevent lung cancer cell migration," FASEB Science Research Conferences, Olean, New York. (June 23, 2019).
- Amissah, F., GVSU Biomedical Sciences Seminar, "Modulating oncogenic GTPase signaling in cancer using COX inhibitors and PUFAs," GVSU Biomedical Sciences, Allendale, MI. (September 21, 2018).

Axford, Katie

- Axford, K. L., Meny, L. M., ExamSoft Assessment Conference, "The Final Chapter: Using ExamSoft® Rubrics on Advanced Clinical Experiences," ExamSoft®, Montréal, Québec, Canada. (June 28, 2019).
- Axford, K. L., Monthly Continuing Education Meeting, "Practice Makes Better: Embracing a Continuing Professional Development Process," Southeastern Michigan Society of Health-System Pharmacists, Livonia, MI. (January 9, 2019).
- Axford, K. L., Brokus, S., Hayward, M., Ky, M., Royer, J., Vela, N., Women in Science and Engineering (WISE) Meeting, "Second Annual Women in Science Panel," Hope College Women in Science and Engineering (WISE), Holland, MI. (November 19, 2018).

- Axford, K. L., SpartanNash Pharmacy Conference, "Practice Makes Better: Embracing a Continuing Professional Development Process," SpartanNash, Grand Rapids, MI. (September 20, 2018).
- Axford, K. L., Pharmacy Education 2018, "Implementing a Co-Curriculum Structured Around the Continuing Professional Development Process," American Association of Colleges of Pharmacy, Boston, MA. (July 22, 2018).

Bailey, Teresa

- Bailey, T. M., Grand Rapids Citywide Research Day, "Pharmacist in a CF Clinic," Grand Rapids, Michigan. (April 2019).
- Bailey, T. M., ACCP Spring Meeting, "Pharmacist in CF Clinic," ACCP, St. Louis, MO. (April 2019).
- Bailey, T. M., Western Michigan University Homer Stryker M.D. School of Medicine 35th Annual Developmental Disabilities Conference, "The Do's and Don'ts of Vitamin D," Western Michigan University Homer Stryker M.D. School of Medicine 35th Annual Developmental Disabilities Conference, Lansing, Michigan. (April 2019).
- Bailey, T. M., Lambda Kappa Sigma Alpha Iota Chapter Continuing Education, "Over-the-Counter Oral Contraception," Lambda Kappa Sigma Alpha Iota Chapter, Grand Rapids, Michigan. (March 2019).
- Bailey, T. M., Western Michigan University Homer Stryker M.D. School of Medicine Research Day, "Pharmacist in a CF Clinic," Kalamazoo, MI. (March 2019).
- Bailey, T. M., Georgia Department of Behavioral Health and Developmental Disabilities, Development Disabilities Learning Collaborative-Cultivating 21st Century Care, "Common Food-Drug Interactions," Georgia Department of Behavioral Health and Developmental Disabilities, Stone Mountain, GA. (November 2018).
- Bailey, T. M., SALFA [Sampan'Asa Loterana Momba Ny Fahasalamana] Annual Conference, "Counterfeit Medications in Madagascar," SALFA [Sampan'Asa Loterana Momba Ny Fahasalamana], Sambava, Madagascar. (October 2018).
- Bailey, T. M., SALFA [Sampan'Asa Loterana Momba Ny Fahasalamana] Annual Conference, "Medications in the Treatment of Asthma," SALFA [Sampan'Asa Loterana Momba Ny Fahasalamana], Sambava, Madagascar. (October 2018).
- Bailey, T. M., SALFA [Sampan'Asa Loterana Momba Ny Fahasalamana] Annual Conference, "Medications Used in the Treatment of Stroke," SALFA [Sampan'Asa Loterana Momba Ny Fahasalamana], Sambava, Madagascar. (October 2018).
- Bailey, T. M., SALFA [Sampan'Asa Loterana Momba Ny Fahasalamana] Annual Conference, "Review on Antihypertensive Medications," SALFA [Sampan'Asa Loterana Momba Ny Fahasalamana], Sambava, Madagascar. (October 2018).

Baran, Rose M.

- Baran, R. M., Spartan Nash Pharmacy Conference, "General Session: Opioid Crisis Panel," Grand Rapids, MI. (September 20, 2018).
- Baran, R. M., "2018 Pharmacy Law Update: The opioid Regulation Tsunami," MPA Upper Peninsula Division Fall Conference, Marquette, MI. (September 30, 2018).

Bright, David

- Eid, D., Klepser, M. E., Bright, D. R., Michigan Pharmacist Association Annual Convention, "Whose Role Is It Anyways: Engaging The Pharmacy Team In Community Pharmacy Services," Michigan Pharmacist Association, Detroit, MI. (February 23, 2019).
- Bright, D. R., Hilden, M., Michigan Pharmacist Association Annual Convention, "Practical pharmacogenomics: A case-based primer for pharmacists," Michigan Pharmacist Association, Detroit, MI. (February 22, 2019).
- Kisor, D., Bright, D. R., Indiana Pharmacists Alliance Annual Convention, "Actionable pharmacogenomics," Indiana Pharmacists Alliance, Ft. Wayne, IN. (September 27, 2018).
- Meny, L. M., VanLangen, K. M., Bright, D. R., Seiferlein, M. R., Pharmacy Education 2018, "Measurement of Faculty Consensus of EPA Importance to Determine APPE Readiness," American Association of Colleges of Pharmacy, Boston, MA (July 23, 2018).
- VanLangen, K. M., Meny, L. M., Bright, D. R., Seiferlein, M. R., Philip, A., Sharma, R., DiVall, M., Pharmacy Education 2018, "Measuring APPE Readiness: A Survey of U.S. Colleges of Pharmacy," American Association of Colleges of Pharmacy, Boston, MA (July 23, 2018).

Coveyou, Jill

- Coveyou, J. A., Saginaw Valley State University's Substance Use Disorder Project ECHO, "Risk Reduction: Overdose Prevention and Management of Prescribed Opioids," Project ECHO, Zoom Webinar. (June 18, 2019).
- Wagenknecht-Ivey, B., Malburg, D., Coveyou, J. A., NABP AACP District IV Meeting, "Responding to the Leadership Challenge- The Michigan Story," NABP, Grand Rapids, MI. (November 9, 2018).
- Coveyou, J. A., Saginaw Valley State University's Substance Use Disorder Project ECHO, "Risk Reduction: Overdose Prevention and Management of Prescribed Opioids," Project ECHO, Zoom Webinar. (November 7, 2018).

deVoest, Peggy

- McKeown, L., Polkowski, M., Olgrin, S., Parker, J., deVoest, M., ASHP mid year meeting, "Proper prophylaxis: evaluating antimicrobial stewardship practices in pediatric surgery," ASHP, Anaheim, CA. (December 3, 2018).
- Bixman, L., Chung, D., Roberts, T., Daman, M., Jenkins, B., Shiltz, D., Vavra Janes, K. L., deVoest, M., 2018 ASHP Midyear Clinical Meeting, "Quality Assessment of Inpatient Pharmacist Workflow Influencing Patient Outcomes," American Society of Health-System Pharmacists, Anaheim, CA. (December 3, 2018).
- Hondorp, S. N., Preston, R. J., Schroeder, E., deVoest, M., Sohn, M., Schram, J., ObesityWeek 2018, "Association of pre-operative behavioral measures with antidepressant medications one year after bariatric surgery," American Society for Metabolic and Bariatric Surgery, Nashville, TN. (November 11, 2018).

Devuyst-Miller, Susan A.

Devuyst-Miller, S. A., "Shame on You Shame on Me Shame No More: Practices to Decrease Stigma and Shame in Patients with Opioid Use Disorder," Florida Alcohol and Drug Abuse Association. (April 29, 2019).

Dowling, Thomas C.

Dowling, T. C., 2019 ACCP MeRIT Conference, "Overview of Designing Clinical Trials," American College of Clinical Pharmacy, Lexington, KY. (June 26, 2019).

Dowling, T. C., 2019 ACCP MeRIT Conference, "Crafting Great Research Questions, Aims and Objectives," American College of Clinical Pharmacy, Lexington, KY. (June 25, 2019).

Dowling, T. C., 2018 ASHP Midyear Clinical Meeting, "Moving Forward with Novel Treatments for Anemia: The Role of HIF-PD Inhibitors," American Society of Health System Pharmacists, Anaheim, CA. (December 4, 2018).

Stockton, W., Nguyen, T., Zhang, L., Dowling, T. C., 2018 ACCP Global Conference, "Etoposide hypersensitivity in pediatric patients," American College of Clinical Pharmacy, Seattle, Washington. (October 22, 2018).

Eid, Deeb

Eid, D., Borowicz, B., Osborne, J., NABP 115th Annual Meeting, "50-State Landscape Review of Laws Regarding Pharmacy Technician Vaccine Administration," NABP, Minneapolis, MI. (May 16, 2019).

Eid, D., Ohio Pharmacists Association Annual Meeting, "Pharmacy Technician Full Scope of Practice: Evidence > Emotions," Ohio Pharmacist Association, Columbus, OH. (April 13, 2019).

Eid, D., 2019 ASPL Fall Meeting, "50 State Landscape Review of Laws Regarding Pharmacy Technician Vaccine Administration.," ASPL (American Society of Pharmacy Law), San Diego, CA. (March 21, 2019).

Eid, D., Klepser, M. E., Bright, D. R., Michigan Pharmacist Association Annual Convention, "Whose Role Is It Anyways: Engaging The Pharmacy Team In Community Pharmacy Services," Michigan Pharmacist Association, Detroit, MI. (February 23, 2019).

Eid, D., NABP/AACP District IV Meeting, "Pharmacy Technician Full Scope of Practice: Evidence > Emotions," NABP/AACP, Grand Rapids, MI. (November 7, 2018).

Elder, Jodie

Elder, J. L., Saul, A., Straley, C., Bates, J., Wolfe, A., Metro Health Research Day, "Evaluation of Ambulatory Pharmacist Care Management in a Chronic Disease Clinic," Metro Hospital- University of Michigan Health System, Wyoming, MI. (May 2, 2019).

Elder, J. L., Bixman, L., Tran, S., Bates, J., Rausche, H., Woodwyk, A., Klepser, M., Dregansky, G., Wolfe, A., 2018 Global Conference on Clinical Pharmacy Abstracts, "Comparison of outpatient antimicrobial usage among ambulatory clinics," ACCP, Seattle, Washington. (October 22, 2018).

Girand, Heather L.

Litkowiec, S., Girand, H. L., Sohn, M., WMU Homer Stryker M.D. School of Medicine 2019 Research Day, "Attention-deficit/ hyperactivity disorder (ADHD) and psychotropic polypharmacy trends in children and young adults," Western Michigan University Homer Stryker M.D. School of Medicine, Kalamazoo, MI. (April 16, 2019).

Litkowiec, S., Girand, H. L., Sohn, M., American Society of Health-System Pharmacists (ASHP) Midyear Clinical Meeting, "Attention-deficit/ hyperactivity disorder (ADHD) and psychotropic polypharmacy trends in children and young adults," American Society of Health-System Pharmacists (ASHP), Anaheim, CA. (December 2, 2018).

Giri, Namita

Giri, N., Adli, B., Cabreza, J. E., Ibarra, C., kaur, P., Langan, K., Nguyen, P., Olivares, E., Wright, T., Vinluan, C., McBane, S., California Society of Health-System Pharmacists (CSHP) Seminar Conference, "Identifying factors to determine perceived worth of professional pharmacy organization membership", California Society of Health-System Pharmacists (CSHP), San Diego, California. (October 4, 2018).

Jameson, John P.

Jameson, J. P., Michigan Pharmacy Foundation Leadership Symposium, "Dealing With Difficult Employees," Michigan Pharmacists Association, Lansing, Michigan. (April 16, 2019).

Kelsh, Shelby

Sahr, M., Ottney, A., Kelsh, S., Young, M., Larson, R., Muratovic, V., Sohn, M., American Pharmacists Association Annual Meeting, "Pharmacy Students' Perceptions of Electronic Cigarettes Compared to Other Health Professional Students," American Pharmacists Association, Seattle, Washington. (March 23, 2019).

Klepser, Michael E.

Klepser, M. E., Michigan Department of Health and Human Services Surveillance for Healthcare-Associated and Resistant Pathogens (SHARP) Symposium, "Antimicrobial Stewardship Across the Spectrum of Healthcare," Michigan Department of Health and Human Services Surveillance for Healthcare-Associated and Resistant Pathogens, Grand Rapids, MI. (May 10, 2019).

Eid, D., Klepser, M. E., Bright, D. R., Michigan Pharmacist Association Annual Convention, "Whose Role Is It Anyways: Engaging The Pharmacy Team In Community Pharmacy Services," Michigan Pharmacist Association, Detroit, MI. (February 23, 2019).

Kurup, Sonali

- Kurup, S., American Chemical Society, "Three-dimensional visualization of kinase inhibitors: Correlating foundational concepts to therapeutic application," Orlando, Florida. (April 2019).
- Kurup, S., "Novel dual-targeted inhibitors of EGFR and aurora kinase as anticancer agents," Calvin College, Grand Rapids. (April 11, 2019).
- Kurup, S., American Association for Cancer Research, "A systematic review of randomized clinical trials for therapeutic outcomes of anti-EGFR agents used in combination with other targeted therapies. Kurup, S*.; Liskova, P.; Jungsuwadee, P.; Sakharkar, P.; Chandrasekhara, S. Poster presentation at the 111th American Association for Cancer Research (AACR) Annual Meeting, Chicago, IL (#589)," Chicago, IL. (2018).
- Kurup, S., American Association for Cancer Research, "Design, synthesis, selection, and evaluation of a potent multi-kinase targeting N4-phenylsubstituted-7H-pyrrolo [2,3-d]pyrimidin-4-amine derivative with significant anticancer activity in P53 mutant and wild type models of upper GI cancers. Samant, A.; Visal, T.; Pancholi, P.; Bapat, S.; Kansara, D.; Dichwalkar, T.; Senones, R.; Kurup, S.; Sehdev, V. Poster presentation at the 111th American Association for Cancer Research (AACR) Annual Meeting, Chicago, IL (#2800)." (2018).

Lamberts, Jenny

- Lamberts, J., Biomedical Science Seminar Series, "Involvement of Purine Molecules in Neuronal Injury and Parkinson's Disease," Grand Valley State University, Allendale, MI. (November 2, 2018).
- Lamberts, J., Research and Innovative Practice Seminar, "Involvement of Purine Molecules in Neuronal Injury and Parkinson's Disease," Manchester University College of Pharmacy, Fort Wayne, IN. (October 18, 2018).
- Cook, A., Goldsworthy, J., Karbowski, T., Rodewald, M., Zwart, C., Lamberts, J., Pharmacy Education 2018, "Neuronal Injury and Parkinson's Disease: Role of Purinergic Signaling," American Association of Colleges of Pharmacy, Boston, MA. (July 22, 2018).

Larson, Rodney

- Sahr, M., Ottney, A., Kelsh, S., Young, M., Larson, R., Muratovic, V., Sohn, M., American Pharmacists Association Annual Meeting, "Pharmacy Students' Perceptions of Electronic Cigarettes Compared to Other Health Professional Students," American Pharmacists Association, Seattle, Washington. (March 23, 2019).

Meny, Lisa M.

- Axford, K. L., Meny, L. M., ExamSoft Assessment Conference, "The Final Chapter: Using ExamSoft® Rubrics on Advanced Clinical Experiences," ExamSoft®, Montréal, Québec, Canada. (June 28, 2019).

- Salvati, L. A., Meny, L. M., ExamSoft Assessment Conference, "Approaches to Assess Interprofessional Education Utilizing ExamSoft," ExamSoft, Montréal, Québec, Canada. (June 27, 2019).
- Meny, L. M., VanLangen, K. M., 2018 NABP/AACP District IV Annual Meeting, "Implementing Entrustable Professional Activities at the College Level," National Association of Boards of Pharmacy and American Association of Colleges of Pharmacy, Grand Rapids, MI. (November 7, 2018).
- Meny, L. M., VanLangen, K. M., Bright, D. R., Seiferlein, M. R., Pharmacy Education 2018, "Measurement of Faculty Consensus of EPA Importance to Determine APPE Readiness," American Association of Colleges of Pharmacy, Boston, MA (July 23, 2018).
- VanLangen, K. M., Meny, L. M., Bright, D. R., Seiferlein, M. R., Philip, A., Sharma, R., DiVall, M., Pharmacy Education 2018, "Measuring APPE Readiness: A Survey of U.S. Colleges of Pharmacy," American Association of Colleges of Pharmacy, Boston, MA (July 23, 2018).

Mersfelder, Tracey L.

- Vaillant, J. J., Mersfelder, T. L., Kavanaugh, K. J., Maynard, R. S., American Thoracic Society International Conference, "An Antimicrobial Stewardship Initiative to Assist Providers in Utilizing Ordered Procalcitonin Levels," American Thoracic Society, Dallas, Texas. (May 17, 2019).
- Thill, P., Mersfelder, T. L., Schmidt, K., American Pain Society's Scientific Meeting, "Acetaminophen Intravenous Actual-use Outcomes in a Post-op Cardiovascular Surgery Population," American Pain Society, Milwaukee, Wisconsin. (April 4, 2019).
- Mersfelder, T. L., 2019 Michigan Pharmacist Association Annual Convention & Exposition, "A PAINful decision," Michigan Pharmacist Association, Detroit, Michigan. (February 24, 2019).
- Roach, R. R., Mersfelder, T. L., Nichols, W. H., The Eight Annual Western Michigan University Medical Humanities International Conference, "Why is that Parsley on my Plate?," Western Michigan University, Kalamazoo, Michigan. (September 14, 2018).

Nybo, Eric

- Nybo, E., Tran, J., West Michigan Regional Undergraduate Science Research Conference, "A BioBricks® Synthetic Biology Toolbox for Biosynthesis of Anthracyclines," Van Andel Research Institute, Grand Rapids, MI. (November 10, 2018).
- Nybo, E., Tran, J., American Society of Pharmacognosy Annual Meeting, "A BioBricks® Synthetic Biology Toolbox for Biosynthesis of Anthracyclines," American Society of Pharmacognosy, Lexington, KY. (July 22, 2018).

Ottney, Anne

- Sahr, M., Ottney, A., Kelsh, S., Young, M., Larson, R., Muratovic, V., Sohn, M., American Pharmacists Association Annual Meeting, "Pharmacy Students' Perceptions of Electronic Cigarettes Compared to Other Health Professional

- Students," American Pharmacists Association, Seattle, Washington. (March 23, 2019).
- Sahr, M., Ottney, A., Young, M., Michigan Pharmacists Association Annual Convention and Exposition, "Vaping: Myths, Truths, and What I Need to Know to Help My Patients," Michigan Pharmacists Association, Detroit, Michigan. (February 23, 2019).
- Ottney, A. R., Michigan Council of Nurse Practitioners-Capital Area Pharmacology Conference, "Gettin' Down with the New Hypertension Guidelines," East Lansing, MI. (November 3, 2018).
- Ottney, A. R., Simons, L., Michigan 18th Annual Case Management Conference, "Now What? Non-Opioid Alternatives for Pain," Michigan State University, East Lansing, MI. (November 1, 2018).

Potter, Gregg

- Potter, G. S., Michigan Pharmacists Association Annual Convention and Exposition, "Polyfluoroalkyl (PFAS): The "Forever Chemicals", Discussing Exposure Levels, Testing and Adverse Health Outcomes," Michigan Pharmacists Association, Detroit MI. (February 24, 2019).

Saadeh, Claire E.

- Saadeh, C. E., MPA Annual Convention & Exposition, "Marijuana: A Drug to be Taken Seriously," Michigan Pharmacists Association, Detroit, MI. (February 23, 2019).

Sahr, Michelle

- Sahr, M., Ottney, A., Kelsh, S., Young, M., Larson, R., Muratovic, V., Sohn, M., American Pharmacists Association Annual Meeting, "Pharmacy Students' Perceptions of Electronic Cigarettes Compared to Other Health Professional Students," American Pharmacists Association, Seattle, Washington. (March 23, 2019).
- Sahr, M., Ottney, A., Young, M., Michigan Pharmacists Association Annual Convention and Exposition, "Vaping: Myths, Truths, and What I Need to Know to Help My Patients," Michigan Pharmacists Association, Detroit, Michigan. (February 23, 2019).

Salvati, Lisa

- Salvati, L. A., Meny, L. M., ExamSoft Assessment Conference, "Approaches to Assess Interprofessional Education Utilizing ExamSoft," ExamSoft, Montréal, Québec, Canada. (June 27, 2019).
- Salvati, L. A., Quesnelle, K. M., The 85th Annual District IV Meeting, "Interprofessional Education (IPE) with Ferris/WMed to Support Multidisciplinary PGx Education," NABP AACP District IV, Grand Rapids, MI. (November 8, 2018).
- Salvati, L. A., The 85th Annual District IV Meeting, "Lessons Learned – What Did and Did Not Work on the Way Here," NABP AACP District IV, Grand Rapids, MI. (November 8, 2018).

Salvati, L. A., Weber, Z. A., Trinh, M., Rustem, D. R., Etelamaki, C. L., Developing Healthy Populations, Communities, and Systems Through Interprofessional Collaboration, "An Assessment of Interprofessional Education in Schools/Colleges of Pharmacy in the United States," Midwest Interprofessional Practice, Education, and Research Center (MIPERC), Grand Rapids, MI. (September 20, 2018).

Hinkley, S., Salvati, L. A., Developing Healthy Populations, Communities, and Systems Through Interprofessional Collaboration, "Using an Interprofessional Education Taskforce as a Means to Enhance University Interprofessional Education Efforts," Midwest Interprofessional Practice, Education, and Research Center (MIPERC), Grand Rapids, MI. (September 20, 2018).

Schmidt, Kyle

Dyckman, T., Combs, J. L., Schmidt, K., Great Lakes Pharmacy Residency Conference, "A Comparison of Safety and Efficacy Outcomes for Induction Therapy in Renal Transplant," West Lafayette, Indiana. (April 2019).

Thill, P., Mersfelder, T. L., Schmidt, K., American Pain Society's Scientific Meeting, "Acetaminophen Intravenous Actual-use Outcomes in a Post-op Cardiovascular Surgery Population," American Pain Society, Milwaukee, Wisconsin. (April 4, 2019).

Schrader, S., Ice, C., Rider, A., Schmidt, K., Parker, J., Watson, N., Annual Congress, "Comparison of Dexmedetomidine and Propofol Induced Hemodynamic Instability in Critically Ill Adults," Society of Critical Care Medicine, San Diego, California. (February 2019).

Seiferlein, Mandy R.

Meny, L. M., VanLangen, K. M., Bright, D. R., Seiferlein, M. R., Pharmacy Education 2018, "Measurement of Faculty Consensus of EPA Importance to Determine APPE Readiness," American Association of Colleges of Pharmacy, Boston, MA. (July 23, 2018).

VanLangen, K. M., Meny, L. M., Bright, D. R., Seiferlein, M. R., Philip, A., Sharma, R., DiVall, M., Pharmacy Education 2018, "Measuring APPE Readiness: A Survey of U.S. Colleges of Pharmacy," American Association of Colleges of Pharmacy, Boston, MA. (July 23, 2018).

Sexton, Scott

Sexton, S. M., UNC CPRP Preceptor CE, "Communication, The Best Medication," UNC CPRP, Chapel Hill, NC. (March 12, 2019).

Shiltz, Dane

Bixman, L., Chung, D., Roberts, T., Daman, M., Jenkins, B., Shiltz, D., Vavra Janes, K. L., deVoest, M., 2018 ASHP Midyear Clinical Meeting, "Quality Assessment of Inpatient Pharmacist Workflow Influencing Patient Outcomes," American Society of Health-System Pharmacists, Anaheim, CA. (December 3, 2018).

Smith, Curtis L.

- Smith, C. L., 2019 Updates in Therapeutics: The Pharmacotherapy Prep Review and Recertification Course, "HIV/Infectious Diseases," American College of Clinical Pharmacy, St. Louis, MO. (April 28, 2019).
- Smith, C. L., 2019 Updates in Therapeutics: The Pharmacotherapy Prep Review and Recertification Course, "Infectious Diseases," American College of Clinical Pharmacy, St. Louis, MO. (April 28, 2019).
- Robinson, A. J., Schalk, A. L., Smith, C. L., 2019 Updates in Therapeutics: The Pharmacotherapy Prep Review and Recertification Course, "Norepinephrine: Non-weight based vs. Weight based dosing," American College of Clinical Pharmacy, St. Louis, MO. (April 27, 2019).
- Smith, C. L., 2019 Michigan Pharmacists Association Convention and Exposition, "Using Opioids in the Midst of a Crisis," Michigan Pharmacists Association, Detroit, MI. (February 22, 2019).

Sohn, Minji

- Litkowiec, S., Girand, H. L., Sohn, M., WMU Homer Stryker M.D. School of Medicine 2019 Research Day, "Attention-deficit/ hyperactivity disorder (ADHD) and psychotropic polypharmacy trends in children and young adults," Western Michigan University Homer Stryker M.D. School of Medicine, Kalamazoo, MI. (April 16, 2019).
- Sahr, M., Ottney, A., Kelsh, S., Young, M., Larson, R., Muratovic, V., Sohn, M., American Pharmacists Association Annual Meeting, "Pharmacy Students' Perceptions of Electronic Cigarettes Compared to Other Health Professional Students," American Pharmacists Association, Seattle, Washington. (March 23, 2019).
- Litkowiec, S., Girand, H. L., Sohn, M., American Society of Health-System Pharmacists (ASHP) Midyear Clinical Meeting, "Attention-deficit/ hyperactivity disorder (ADHD) and psychotropic polypharmacy trends in children and young adults," American Society of Health-System Pharmacists (ASHP), Anaheim, CA. (December 2, 2018).
- Hondorp, S. N., Preston, R. J., Schroeder, E., deVoest, M., Sohn, M., Schram, J., ObesityWeek 2018, "Association of pre-operative behavioral measures with antidepressant medications one year after bariatric surgery," American Society for Metabolic and Bariatric Surgery, Nashville, TN. (November 11, 2018).
- Sohn, M., Talbert, J. C., Hankosky, E., Lofwall, M., Freeman, P. R., Addiction Health Services Research Conference, "Differential effects of state naloxone laws, ACA expansion status, and payer source on the rate of naloxone dispensing: Per state per month estimation between 2011 and 2017," Institute of Public and Preventive Health, Savannah, GA, USA. (October 18, 2018).

Straley, Craig

- Elder, J. L., Saul, A., Straley, C., Bates, J., Wolfe, A., Metro Health Research Day, "Evaluation of Ambulatory Pharmacist Care Management in a Chronic Disease

Clinic," Metro Hospital- University of Michigan Health System, Wyoming, MI.
(May 2, 2019).

Thill, Paul

Thill, P., Mersfelder, T. L., Schmidt, K., American Pain Society's Scientific Meeting, "Acetaminophen Intravenous Actual-use Outcomes in a Post-op Cardiovascular Surgery Population," American Pain Society, Milwaukee, Wisconsin. (April 4, 2019).

VanLangen, Kali

Donohoe, K., VanLangen, K. M., Williams, E., AACP Laboratory Instructors SIG Webinar, "Best Practice Models for Pharmacy Practice Laboratory Courses," American Association of Colleges of Pharmacy Laboratory Instructors SIG. (June 26, 2019).

McGraw, T., VanLangen, K. M., Belfer, J., Grand Rapids Citywide Research Day 2019, "Physician Adherence to 2017 ACC/AHA/HFSA Clinical Practice Guidelines in Patients with Heart Failure with Reduced Ejection Fraction (HFrEF) in a Community Teaching Hospital," Spectrum Health, Grand Rapids, MI. (April 24, 2019).

McGraw, T., VanLangen, K. M., Belfer, J., Midyear Clinical Meeting 2018, "Physician Adherence to 2017 ACC/AHA/HFSA Clinical Practice Guidelines in Patients with Heart Failure with Reduced Ejection Fraction (HFrEF) in a Community Teaching Hospital," American Society of Health-System Pharmacists, Anaheim, CA. (December 2, 2018).

Meny, L. M., VanLangen, K. M., 2018 NABP/AACP District IV Annual Meeting, "Implementing Entrustable Professional Activities at the College Level," National Association of Boards of Pharmacy and American Association of Colleges of Pharmacy, Grand Rapids, MI. (November 7, 2018).

VanLangen, K. M., Sharma, R., Philip, A., Divall, M., Pharmacy Education 2018 Annual Meeting, "Ready or Not? Assessment of Student Readiness to Enter Advanced Pharmacy Practice Experiences (APPEs)," American Association of Colleges of Pharmacy, Boston, MA (July 24, 2018).

Caldas, L., Frenzel, J., VanLangen, K. M., Porter, A., Pharmacy Education 2018 Annual Meeting, "Evaluating Performance-Based Assessments in Pharmacy Skills Laboratories," American Association of Colleges of Pharmacy, Boston, MA (July 23, 2018).

Meny, L. M., VanLangen, K. M., Bright, D. R., Seiferlein, M. R., Pharmacy Education 2018, "Measurement of Faculty Consensus of EPA Importance to Determine APPE Readiness," American Association of Colleges of Pharmacy, Boston, MA (July 23, 2018).

VanLangen, K. M., Meny, L. M., Bright, D. R., Seiferlein, M. R., Philip, A., Sharma, R., DiVall, M., Pharmacy Education 2018, "Measuring APPE Readiness: A Survey of U.S. Colleges of Pharmacy," American Association of Colleges of Pharmacy, Boston, MA (July 23, 2018).

VanLangen, K. M., Elder, K., Young, M., Pharmacy Education 2018, "Utilizing Academic Electronic Health Records for Assessment in the Didactic Curriculum," American Association of Colleges of Pharmacy, Boston, MA (July 23, 2018).

Vanloo, Dean A.

Kelley, S., Schmidt, J., Vanloo, D. A., ASHP Midyear Clinical Meeting, "Intraoperative methadone use in complex spinal surgery," ASHP, Anaheim, CA. (December 4, 2018).

Vavra Janes, Kari L.

Bixman, L., Chung, D., Roberts, T., Daman, M., Jenkins, B., Shiltz, D., Vavra Janes, K. L., deVoest, M., 2018 ASHP Midyear Clinical Meeting, "Quality Assessment of Inpatient Pharmacist Workflow Influencing Patient Outcomes," American Society of Health-System Pharmacists, Anaheim, CA. (December 3, 2018).

Ice, C., Carnagie, O., Parker, J., Vavra Janes, K. L., Watson, N., 2018 ACCP Global Conference on Clinical Pharmacy, "Post-anesthesia unit length of stay following rocuronium-induced neuromuscular blockade reversal with sugammadex compared to neostigmine," American College of Clinical Pharmacy, Seattle, WA. (October 2018).

Wellman, Gregory S.

Wellman, G. S., Roath, E., Kaddis, A., Health Forum of West Michigan, "The Cost of Pharmaceutical Drugs: The Highs and the Lows," Grand Valley State University, Richard M. DeVos Center, Grand Valley State University. (December 7, 2018).

Young, Mark

Sahr, M., Ottney, A., Kelsh, S., Young, M., Larson, R., Muratovic, V., Sohn, M., American Pharmacists Association Annual Meeting, "Pharmacy Students' Perceptions of Electronic Cigarettes Compared to Other Health Professional Students," American Pharmacists Association, Seattle, Washington. (March 23, 2019).

Sahr, M., Ottney, A., Young, M., Michigan Pharmacists Association Annual Convention and Exposition, "Vaping: Myths, Truths, and What I Need to Know to Help My Patients," Michigan Pharmacists Association, Detroit, Michigan. (February 23, 2019).

VanLangen, K. M., Elder, K., Young, M., Pharmacy Education 2018, "Utilizing Academic Electronic Health Records for Assessment in the Didactic Curriculum," American Association of Colleges of Pharmacy, Boston, MA (July 23, 2018).

4.0 INTELLECTUAL PROPERTY (INVENTION DISCLOSURES, PATENTS, LICENSES)

INVENTOR(S): ANNA LANGERVELD (Genemarkers), **DAVID BRIGHT** (Ferris State University), **MINJI SOHN** (Ferris State University), **CLAIRE SAADEH** (Ferris State University), **SUSAN DEVUYST-MILLER** (Ferris State University)

TITLE: "RISK EVALUATION OF GENOMIC SUSCEPTIBILITY TO OPIOID ADDICTION"
TYPE: PATENT
APPLICATION SERIAL NUMBER AND FILING DATE: CONFIDENTIAL

INVENTOR(S): RAJ AMIN (AUBURN), **TRACEY WARD** (Ferris State University)
TITLE: CONFIDENTIAL
TYPE: PATENT
APPLICATION SERIAL NUMBER AND FILING DATE: CONFIDENTIAL

INVENTOR: **SONALI KURUP**
TITLE: "DUAL EGFR AND AURORA KINASE INHIBITORS FOR CANCER"
TYPE: INVENTION DISCLOSURE
APPLICATION SERIAL NUMBER AND FILING DATE: N/A