**Beatriz Manzor Mitrzyk, PharmD, BCPS**

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**Education and Training**

|  |  |  |  |
| --- | --- | --- | --- |
| **Attended** | **Institution** | **Degree/Training** | **Completed** |
| JUL 2016-APR 2019 | University of Michigan College of Pharmacy, Ann Arbor, MI | Postdoctoral Research Fellowship  | APR 2019 |
| JUL 1992- JUN 1993 | University of Michigan Hospitals, Ann Arbor, MI | Residency in Pharmacy Practice | JUN 1993 |
| SEP 1988- JUN 1992 | University of Michigan College of Pharmacy, Ann Arbor, MI  | Doctor of Pharmacy | JUN 1992 |
| SEP 1986-AUG 1988 | University of Michigan School of Literature, Science, and Arts, Ann Arbor, MI | Pre-pharmacy | AUG 1988 |

**Licensures, Certifications, AND CERTIFICATES**

AUG 2021-OCT 2021 American Medical Informatics Association (AMIA) 10x10 1100 Introduction to Biomedical Informatics

FEB 2021-JUN 2021 Grant Funding Formula NIH R Series. Sarah Dobson

SEP 2007-present Board Certified Pharmacotherapy Specialist (BCPS)

JUN 2009-present Michigan Pharmacy Preceptor License

AUG 2006-present Basic Life Support (BLS) Certification

JUL 1992-present Michigan Pharmacist License #5302027639

JUL 1992-present Michigan Pharmacist Controlled Substances License #531510076

**Professional and Academic Positions**

SEP 2022-present **Assistant Professor (Tenure Track)**

University of Michigan Office of the Provost Anti-Racism Tenure-Track Faculty Hiring Initiative. Racial Justice in Healthcare: Informatics and Data-Driven Approaches

University of Michigan College of Pharmacy, Ann Arbor, MI (75% research, 20% teaching, 5% service effort)

**Ambulatory Care Clinical Pharmacist**

Community Health and Social Services Center (CHASS) of Detroit, MI (embedded in teaching and service effort)

MAR 2022-SEP 2022 **Clinical Assistant Professor**

University of Michigan College of Pharmacy, Ann Arbor, MI (30% research, 10% teaching effort)

**Ambulatory Care Clinical Pharmacy Specialist**

Michigan Medicine, Saline Health Center, Saline, MI and Ypsilanti Health Center, Ypsilanti, MI (40% service effort); Community Health and Social Services Center (CHASS), MI (20% service effort)

MAY 2019-Feb 2022 **Clinical Assistant Professor and Assistant Research Scientist** University of Michigan College of Pharmacy, Ann Arbor, MI (75% research, 5% teaching effort)

**Ambulatory Care Clinical Pharmacy Specialist**

Michigan Medicine, Saline Health Center, Saline, MI (20% service)

JUL 2016-APR 2019 **Postdoctoral Research Fellow**

 **Clinical Pharmacy Translational Sciences**

 University of Michigan College of Pharmacy, Ann Arbor, MI (85% research, 5% teaching effort); Michigan Medicine, Ypsilanti Health Center, Ypsilanti, MI (10% clinical service effort)

MAY 2013-MAY 2019 **Adjunct Clinical Assistant Professor**

University of Michigan College of Pharmacy, Ann Arbor, MI.

Preceptor for Advanced Pharmacy Practice Experiences rotations

SEP 2008-JUN 2016 **Clinical Assistant Professor**

**Regional Director, Clinical Practice Assessments**

University of Florida College of Pharmacy

Working Professional PharmD Program (WPPD). Gainesville, FL

SEP 2001-AUG 2008 **Adjunct Clinical Assistant Professor**

University of Florida College of Pharmacy

Working Professional PharmD Program (WPPD). Gainesville, FL

FEB 2000-OCT 2001 **Assistant Coordinator, Experiential Education**

University of Michigan College of Pharmacy, Ann Arbor, MI

AUG 1996-APR 1999 **Clinical Specialist Infectious Diseases**

Sinai Hospital, Detroit, MI

JAN 1994-APR 1999 **Adjunct Clinical Assistant Professor**

Wayne State University College of Pharmacy and Allied Health Professions, Detroit, MI

JUL1993-APR 2013 **Adjunct Clinical Instructor**

University of Michigan College of Pharmacy, Ann Arbor, MI.

Preceptor for rotations in: Drug Information (2007-2015); Advanced Community Practice (2001-2003); Infectious Disease (1996-1999); Internal Medicine (1993-1996)

JUL 1993-JUL 1996 **Clinical Specialist Internal Medicine**

**Coordinator Pharmacokinetic Consultation Service**

Detroit Receiving Hospital and University Health Center, Detroit Medical Center. Detroit, MI

**Research Experience**

**Completed Research**

**AACP New Investigator Award (NIA)** (PI:Manzor Mitrzyk B)

*Cross Sectional Study of Diversity, Equity, and Inclusion at US Schools of Pharmacy*

CO-I: Farris K, Walker P

Sponsor: American Association of Colleges of Pharmacy (AACP)

Objectives: 1. Identify and categorize diversity, equity, and inclusion efforts at all US schools of pharmacy using an adapted organizational framework on social accountability in education, 2. Identify and categorize diversity, equity, and inclusion efforts among higher DEI performers that align with organizational framework

Role: Mentored PI

Period: MAR 2022-FEB 2023

**MICHR KL2** **Award** (PI: Ellingrod V; Manzor Mitrzyk B)

*Develop and Evaluate AMILDA: An Intervention to Improve Medication Adherence Among Latinx Adults with Depression and Anxiety*

CO-I: Farris K, Alegria M, Pinto R

Sponsor: Michigan Institute for Clinical and Health Research (MICHR) KL2 Mentored Clinical Scientist Career Development Award (J converted to KL2). Ellingrod, V is PI of the NIH grant; I am PI of the KL2 research work.

Amount funded: $449,312 / 2 years

Objectives: Develop and evaluate the Adherence to Medications In Latinx with Depression and Anxiety (AMILDA) intervention using a community engaged research approach integrating culturally tailored messages to improve antidepressant use among Latinx adults with depression and anxiety in 2 primary care clinics.

Role: Mentored PI

Period: AUG 2019-FEB 2022

**MICHR Pre-K (J) Award** (PI: Manzor Mitrzyk B)

*Laying the Foundation for MICCH: An Intervention to Improve Medication Adherence in Hispanics with Depression*

CO-I: Farris K, Alegria M, Pinto R

Sponsor: Michigan Institute for Clinical and Health Research (MICHR) Pre-K (J) Award (4 months of 2 years). Ellingrod, V is PI of the NIH grant; I am PI of the J research work.

Amount funded: $84,000 / 2 years

Objectives: 1. Establish and facilitate a steering committee for conducting community engaged research with Latinx adults receiving care at the Ypsilanti Health Center and Community Health and Social Services (CHASS) center of Detroit. 2. Explain the role of culture in medication adherence of depression treatment among Latinx adults 3. Describe the medication and health education needs of Latinx persons from the perspective of pharmacists

Role: Mentored PI

Period: MAY 2019-AUG 2019

**Collaborative Innovations Award**(PI: Manzor Mitrzyk B)

*Mixed Methods Evaluation of Treatment Seeking Behaviors, Cultural Tailoring, and Spanish-Language Educational Materials for Hispanics with Depression*

CO-I: Farris K, Ellingrod V

Sponsor: University of Michigan Depression Center. Frances and Kenneth Eisenberg.

Amount funded: $30,000/2 years

Objectives: 1. Characterize US Hispanic subpopulations’ care seeking, treatment avoidance, and medication use behaviors using data from the 2015-2018 NSDUH. 2. Develop culturally tailored messaging using the Beliefs About Medicines Questionnaire (BMQ) and focus group feedback. 3. Assess understanding, use, and perceptions of Spanish-language educational materials including medication information; and use cultural adaptation techniques to improve the effectiveness of available educational materials

Role: PI

Period: FEB 2018-DEC 2020

**M-Cubed Program** (PIs: Buis L, Ellingrod V, Farris K)

*Determining the Preliminary Feasibility, Acceptability, and Effectiveness of Pharmacogenomic (PGx) Testing in Primary Care*

Sponsor: University of Michigan Office of Research

Objectives: 1. To determine the effect of PGx testing on the primary outcome of physician depression treatment decisions compared to the proportion at six-month follow-up; 2. To determine the effect of PGx testing on change in depression severity, depression symptoms, and medication adherence from baseline to six-month follow-up; (3) determine the acceptability of PGx testing for the treatment of depression

Role: Research assistant responsible for subject recruitment, data collection, data analysis, and report writing.

Period: JUL 2016-DEC 2018

**NIDRR H133E13-14** (PI: Meade M)

*Medication Management among Individuals with Neurodevelopment Disabilities (M-MIND)*

Sponsor: National Institutes of Disability and Rehabilitation Research (NIDRR), Department of Education. Rehabilitation Engineering Research Center (RERC) Technology Increasing Knowledge: Technology Optimizing Choice (TIKTOC). Development Project 4 (D4).

Objectives: To develop a reinforcement learning (RL)-adaptive visual and interactive application to support medication management among young adults with disabilities, specifically spina bifida and cerebral palsy

Role: Research assistant responsible for subject recruitment, data collection, data analysis, and report writing

Period: OCT 2013-DEC 2018

**Industry supported research** (PI: Buis L)

*Understanding Provider Perspectives Regarding the Use of Pharmacogenomics Testing for Treatment of Mental Health Issues among Early Adopters*

Sponsor: Progenity, Inc.

Objectives: To learn about providers’ knowledge and perceptions of PGx testing to reveal gaps in knowledge and inform future interventions to increase the use of PGx testing

Role: Research assistant responsible for subject recruitment, data collection, data analysis, and report writing

Period: JUL 2016-DEC 2017

**American Pharmacists Association Incentive Grant** (Co-PI: Manzor Mitrzyk B, Swidan S)

*Medication Therapy Management (MTM) for Type 2 Diabetes Mellitus*

Sponsor: American Pharmacists Association

Objectives: Initiate MTM services for 20 patients with Type 2 Diabetes Mellitus in a community pharmacy setting.

Role: Co-PI

Period: JUN 2009-MAY 2010

**Submitted Research Grants**

**Original Research Publications**

**Manzor Mitrzyk B**, Lopez-Medina AI, Farris KB. Comprehension and usefulness of Spanish language health information about depression treatment. Health Educ Res. 2024 May 11;39(3):228-244. doi: 10.1093/her/cyae013.

Jones LM, Piscotty RJ Jr, Sullivan S, **Manzor Mitrzyk B**, Ploutz-Snyder RJ, Ghosh B, Veinot T. Psychometric Evaluation of the Modes of Health Information Acquisition, Sharing, and Use Questionnaire: Prospective Cross-Sectional Observational Study. J Med Internet Res. 2023 Sep 11;25:e44772. doi: 10.2196/44772.

**Manzor Mitrzyk B**, Marshall VD, Farris KB. Ethnic Determinants of Health and Medication Use for Depression Among US Latinx Adults. J Racial Ethn Health Disparities. 2023 May 15:1–12. doi: 10.1007/s40615-023-01565-x. Epub ahead of print. PMID: 37184813; PMCID: PMC10184621

Rao KV, **Manzor Mitrzyk B**, Tillman F, Liu I, Abdul-Mutakabbir JC, Harvin A, Bogucki C, Salsberg E. Utilization of a "Diversity Index" to Assess Racial Diversity of US School of Pharmacy Graduates. Am J Pharm Educ. 2023 Jul 4:100568. doi: 10.1016/j.ajpe.2023.100568. Epub ahead of print. PMID: 37414218.

Jones L, Piscotty Jr R, Sullivan S, **Manzor Mitrzyk B**, Ploutz-Snyder R, Ghosh B, Veinot T

Psychometric Evaluation of the Modes of Health Information Acquisition, Sharing, and Use Questionnaire: Prospective Cross-Sectional Observational Study. J Med Internet Res 2023;25:e44772. https://www.jmir.org/2023/1/e44772. DOI: 10.2196/44772

**Manzor Mitrzyk B**, Plegue MA, Kadri R, Guetterman T, Farris KB, Ellingrod VL, Ruffin MT, Klinkman MS, Buis LR. Pharmacogenomic testing for mental health (Part I): documenting early adopter perceptions of use for eight scenarios. Precision Medicine.2021. Ahead of print.https://www.futuremedicine.com/doi/10.2217/pme-2020-0083

**Manzor Mitrzyk B**, Plegue MA, Kadri R, Guetterman T, Farris KB, Ellingrod VL, Ruffin MT, Klinkman MS, Buis LR. Pharmacogenomic testing for mental health (Part II): qualitative analysis of early adopter prescriber perceptions. Precision Medicine. 2021. Ahead of print. https://www.futuremedicine.com/doi/10.2217/pme-2020-0084

**Manzor Mitrzyk B**, Kadri R, Farris KB, Ellingrod VL, Klinkman MS, Ruffin MT IV, Plegue MA, Buis LR. Using pharmacogenomic testing in primary care: protocol for a pilot randomized controlled study. JMIR Res Protoc 2019;8(8):e13848.

Farris KB, **Manzor Mitrzyk B**, Batra P, Peters J, Diez HL, Yoo A, McKay K, Friend K, Danko L, Waber R, Marshall VD, Choe HM. Linking the patient-centered medical home to community pharmacy via an innovative pharmacist care model. J Am Pharm Assoc. 2019;59(1):70-78.

**Manzor Mitrzyk B**, Bici A, Barras M, Holm J, Marshall VD, Farris KB. Implementation of a text message reminder service in an independent community pharmacy: A retrospective analysis of time to prescription pickup and satisfaction. J Am Pharm Assoc (2003). 2019;59(2S):S67-S70. Special theme issue: Technology in pharmacy practice and patient care.

Murry KR, McKinnon PS, **Manzor Mitrzyk B**, Rybak MJ. Pharmacodynamic characterization of nephrotoxicity associated with once-daily aminoglycoside. Pharmacotherapy. 1999 Nov;19(11): 1252-60. doi: 10.1592/phco.19.16.1252.30876.

**Mitrzyk B**, Jarco PE, Rybak MJ. Stability and antimicrobial activity of gentamicin sulfate, tobramycin sulfate, and amikacin sulfate in polypropylene syringes for use in once-daily therapy. Am J Health-Syst Pharm.1996;53:2855-2859.

**Presentations**

**Podium Presentations**

**Manzor Mitrzyk B.** Connecting social determinants of health and health disparities to public health and policy change using translational science and research. Presented at Translational Science 2024 Annual Meeting. Las Vegas, NV.

Adeoye-Olatunde OA, **Manzor Mitrzyk B**, Salgado TM, Shiyanbola OO, Farris KB.

Community-engaged scholarship: Gaining insights from different community-engaged experiences across the continuum. Research in Social and Administrative Pharmacy. 2023;19(7):32-33. doi.org/10.1016/j.sapharm.2023.04.093.

**Manzor Mitrzyk B**, Salgado T, Newman S, Farris KB. Medication management among individuals with neurodevelopmental disabilities: Use of MedTracker pillbox, Medisafe application, and parent/caregiver monitoring application. American Pharmacist Association 2018 Annual Meeting. Nashville, TN.

**Manzor Mitrzyk B**, Newman S, Farris KB. Tailoring a Medication Management System for Individuals with Neurodevelopmental Disabilities. 2018 International Society of Pharmacists Workshop. Leuven, Belgium.

**Abstract and Poster Presentations**

**Manzor Mitrzyk B**, Vordenberg S, Gonzalez L, Walker P, Bostwick JR, Nelson M, Farris K. Cross-Sectional Study of Diversity, Equity, and Inclusion Efforts of US PharmD Programs. [abstract] New Investigator Award Recipients Poster Abstracts Presented at the 124th Annual Meeting of the American Association of Colleges of Pharmacy, July 22-25, 2023. JAPhA 2023;87(8):100158 https://doi.org/10.1016/j.ajpe.2023.100148

**Manzor Mitrzyk B**, Gonzalez L, Alegria M, Pinto RM, Farris K. Developing AMILDA: An Intervention to Improve Symptoms and Medication Adherence among Latinx Adults with Depression and Anxiety. Association for Clinical and Translational Science (ACTS), Translational Science 2022. Chicago, IL. April 20-22, 2022.

**Manzor Mitrzyk B**, Santos M, Bishop R, Valencia J, Farris K. Qualitative Analysis of Culture and Depression Treatment Among US Latinx Adults with Depression. American College of Neuropsychopharmacology 60th Annual Meeting. San Juan, PR. December 5-8, 2021.

**Manzor Mitrzyk B**, Santos M, Freeman J, Pinto R, Alegria M, Farris K. Role of culture in medication adherence of antidepressants among Latinx adults with depression: Systematic review of qualitative data. American Pharmacists Association (APhA) 2021 Virtual Annual Meeting & Exposition. Remote. March 15, 2021.

**Manzor Mitrzyk B**, Santos M, Freeman J, Pinto R, Alegria M, Farris K. Systematic review to assess the role of culture on antidepressant use in Latinx adults with depression: Quantitative data. American Pharmacists Association (APhA) 2020 Virtual Poster Gallery. Remote. March 20, 2020.

**Manzor Mitrzyk B**, Marshall V, Farris KB. Subpopulation, acculturation, and gender effects on prescription medication use for major depressive episode among US Hispanics: Analysis of the 2010 to 2013 National Survey on Drug Use and Health. American Pharmacists Association (APhA) 2019 Virtual Annual Meeting & Exposition; Seattle, WA. March 25, 2019.

**Manzor Mitrzyk B**, Cook M, Godley E, Marshall V, Erickson S, Farris KB. Retrospective cohort study of medication use in adults with cerebral palsy and spina bifida. American Pharmacists Association (APhA) 2018 Virtual Annual Meeting & Exposition; Nashville, TN. March 19, 2018.

**Manzor Mitrzyk B**, Plegue MA, Kadri R, Guetterman TC, Ellingrod VL, Farris KB, Ruffin MT, Klinkman MS, Buis LR. Provider perspectives on the use of pharmacogenomic testing for treatment of ADHD and depression among early adopters. National Network of Depression Centers (NNDC) 2017 Annual Conference. Ann Arbor, MI. September 20, 2017.

**Manzor Mitrzyk B**, Farris KB. Treatment of mental health conditions and health-related quality of life in US Hispanic adults: Results from the 2015 Behavioral Risk Factor Surveillance System. American College of Clinical Pharmacy (ACCP) 2017 Virtual Poster Symposium. May 17, 2017.

**Manzor Mitrzyk B**, Farris KB, Ellingrod VL, Klinkman MS, Ruffin MT, Kadri R, Plegue MA, Buis LR. Exploring the use of pharmacogenomic (PGx) testing for treating depression and anxiety in primary care. NCT03270891. 2017 North American Primary Care Research Group (NAPCRG) Annual Meeting. Toronto, CA. September 8, 2017.

**Mitrzyk B**, Jarco P, Smolarek R, Rybak MJ. Highly concentrated amikacin, gentamicin, and tobramycin stability and microbiological activity in plastic syringes. 30th American Society of Health-System Pharmacists (ASHP) Midyear meeting. Las Vegas, NV. December 7, 1995.

Nassiri MR, Cameron MJ, **Manzor B**, Wotring LL, Townsend LB, Drach JC. Cytotoxicity of Triciribine in Human Cells, a Compound with Potent Activity Against HIV. 31st International Conference Antimicrobial Agents and Chemotherapy Annual meeting (ICAAC). Chicago, IL. October 1, 1991.

**Other Publications**

**Book Chapter Publications**

**Manzor Mitrzyk B**. Chapter 2. Anti-infective Agents. Pharmacotherapeutics for Advanced Nursing Practice. Demler TL and Rhoads J. Jones and Bartlett Learning. Burlington, MA. 2016.

**Manzor Mitrzyk B**. Bacterial and mycobacterial infections. Natural Standard Herb & Supplement Guide: An Evidence-Based Reference. 1st Ed. 2010.

**Review Article Publications**

**Manzor Mitrzyk B**. Extensively resistant tuberculosis: Role of the pharmacist. Pharmacotherapy. 2008;28(10):1243-54.

Richardson GS, **Mitrzyk BM**, Bramley TJ. Circadian rhythmicity and the pharmacologic management of insomnia. Am J Manag Care. 2007;13(5 Suppl):S125-8.

Navarro R, **Mitrzyk BM**, Bramley TJ. Chronic insomnia treatment and Medicare Part D: implications for managed care organizations. Am J Manag Care. 2007;13(5 Suppl):S121-4.

Stumpf JL, **Mitrzyk B**. Management of orthostatic hypo­tension. Am J Hosp Pharm. 1994;51:648-660.

**Commentary Publication**

Arif S, Afolabi T, **Manzor Mitrzyk B**, Thomas T, Borja-Hart N, Wade L, Henson B. Engaging in authentic allyship as part of our professional development. Am J Pharm Ed. August 2021, 8690; DOI: https://doi.org/10.5688/ajpe8690

**Teaching Experience**

**University of Michigan College of Pharmacy**

2022-present Pharmacy 504 Pharmacy Practice Skills I (3 credits)

 Doctor of Pharmacy student course with approximately 80 students. Taught a recitation class to first year pharmacy students on “Caring for Diverse Communities.”

 Pharmacy 620 Pharmacotherapeutics I (3 credits)

 Online School of Nursing Graduate student course with approximately 50 students. Taught modules on “Drug Use in Pregnancy and Lactation” and “Women’s Health.”

2021-present Pharmacy 200 Science of Medicine Elective (3 credits)

 Undergraduate Bachelors of Pharmaceutical Sciences (BSPS) course with approximately 50 students. Taught 4 classes on health equity, social determinants of health, anti-racism, and diversity, equity, and inclusion.

 Pharmacy 202 Career Exploration Elective (1 credit)

 Undergraduate bachelors of pharmaceutical sciences (BSPS) course with approximately 50 students. Gave presentation on my career goals, trajectory, and aspirations.

2020-present Pharm 600 Research Administration Elective (1 credit)

 I work individually with BSPS or PharmD students to teach research principles and work on individual projects.

2019-present Pharmacy 730 PharmD Seminar (1 credit)

I mentor student pharmacists on their seminar presentation. The topic is either their Pharm.D. Investigation that they completed with me, or a topic related to my ongoing health disparities or anti-racism research.

Fall 2022 Natalie Gaines, Thao Tran, Nohal Mekkaou

Fall 2021 Briana Kowal, Ahmed Saab

Fall 2020 Madeleine Davies, Jiaqi Ni, David Schapiro

Fall 2019 Diana Le

2019 Pharmacy 723 Pharmacy Practice Skills III (3 credits)

 I assisted with the development and coordination of residents for the week-to-week activities of the course. I taught the Monday section with 43 PharmD students. I assisted with simulated patient instructor (SPI) training, and I was involved in the coordination of remediation of individual activities. I also assisted with the coordination of acquisition the supplies (inhalers, devices, and other equipment) needed for the implementation of the course.

2016 Pharmacy 757 Aging Patient (2 credits)

 I facilitated a course of 45 students to develop knowledge and skills to foster effective interactions between student pharmacists and older adults on personal and professional levels.

**University of Florida Working Professional PharmD Program**

2008-2016 PHA 5068 Clinical Practice Experiences I (1 credit). Course Coordinator

 PHA 6068 Clinical Practice Experiences II (1 credit). Course Coordinator

 PHA 7068 Clinical Practice Experiences III (1 credit). Course Coordinator

2012-2014 PHA 5869 Foundations of Pharmaceutical Care. “Patient Counseling” (3 credits). Facilitator and presenter

2010-2016 PHA 5869 Foundations of Pharmaceutical Care. “Communication Skills for Pharmacists” (3 credits). Facilitator and presenter

 PHA 5869 Foundations of Pharmaceutical Care. “Introduction to Medication Therapy Management” (3 credits). Facilitator and Expert Presenter

2008-2010 PHA5598 Infectious Disease Pharmacotherapy (3 credits). Expert Presenter

 PHA5597 Endocrine System Pharmacotherapy (3 credits). Expert Presenter

2006 PHA 5629 Introduction to Pharmaceutical Care (3 credits). Course Co-Coordinator

2003-2016 PHA 7888 Capstone Paper (1 credit). Mentor and Reviewer

**Continuing Education**

2022 “Implicit Bias Training.” Michigan Pharmacists Association (MPA). 2022 Annual Convention & Exposition (ACE). February 25-27, 2022.

2021 “Promoting mental health by addressing stigma among Latinx adults.” National Hispanic Pharmacists Association Live CE Webinar. August 18, 2021.

 “A Brief Overview of Health Equity in Pharmacy Practice.” Pharmacy Times Continuing Education. On-demand webinar. June 24, 2021.

**Professional Organizations Membership**

2022-present American Association of Colleges of Pharmacy (AACP) Health Disparities and Cultural Competence SIG

2021-present National Hispanic Pharmacists Association (NHPA)

 National Hispanic Health Foundation (NHHF)

 American Medical Informatics Association (AMIA)

 University of Michigan Diversity Scholars Network (DSN)

2016-present American College of Clinical Pharmacy (ACCP). Ambulatory Care Practice and Research Network (PRN)

2006-present American Pharmacists Association (APhA)

 American Society of Health Systems Pharmacy (ASHP)

**LEADERSHIP AND SERVICE ACTIVITIES**

**University of Michigan**

2021-2023 Anti-Racism Oversight Committee (AROC)

 Diversify the Workforce AROC Subcommittee

**Michigan Medicine**

2020-2022 Diversity, Equity, and Inclusion (DEI) Driver – Saline Health Center, Michigan Medicine, Saline, MI

**University of Michigan College of Pharmacy**

2021-2022 College of Pharmacy Curriculum Advisory Committee Race, Ethnicity, and Social Determinants of Health Subcommittee – Chair

 College of Pharmacy Faculty Development Committee – Member

 College of Pharmacy Graduate Student Admissions Committee – Member

 College of Pharmacy PharmD Student Admissions Committee – Member

2020-present Diversity Scholars Network – Member

 College of Pharmacy Pharmacy Phamily - Mentor

 Rackham Interdisciplinary Workshop for Cuban Studies – Member

 Cubanidad – Member

2020-2021 College of Pharmacy Curriculum and Assessment Committee Subcommittee, Clinical Skills - Member

**National**

2021-present Scholars of Color Research Leadership Development Program

 National Hispanic Pharmacist Association (NHPA)

 Research Subcommittee - Chair

2020-present American Association of Colleges of Pharmacy Health Disparities and Cultural Competence Special Interest Group (SIG) - Member

 American Society of Health Systems Pharmacy (ASHP) - Pharmacy Leadership Scholars

 Grant Reviewer

2020-2021 American Pharmacists Association (APhA) Foundation - Incentive Grants Review Committee Member

2009-2016 American Association of Colleges of Pharmacy (AACP)

Teaching Practices in Pharmacy Practice Task Force Committee Member

2009-2010 University of Michigan College of Pharmacy Alumni Society Board of Governors - Member

2009-2010 Accreditation Council for Pharmacy Education (ACPE) Field Reviewer

2009-2010 Michigan Pharmacists Association (MPA) Public Affairs Committee (PAC) - Member

2007-2012 University of Michigan University Record Faculty Perspectives Page - Reviewer and Contributor

2000-2011 American Pharmacists Association (APhA) Policy Review Committee (PRC) - Member

2008-2011 Journal of the American Pharmacists Association (JAPhA) Editorial Board - Member

2007-2009 American Pharmacists Association Academy of Pharmaceutical Research & Science (APhA-APRS) House of Delegates - Clinical Sciences Section Delegate

2006-2009 American Pharmacists Association (APhA), Pharmacy Today - Editorial Board Member

2002-2004 American Pharmacists Association (APhA) Annual Meetings - Moderator

1990-1991 Phi Delta Chi Professional Pharmacy Fraternity - Worth Keeper of Records and Seals

**Service**

**Community Engagement**

2021 HUDA clinic - Preceptor

 Michigan Islamic Institute Rite-Aid COVID-19 Vaccination Event – Preceptor

 American Pharmacists' Association Academy of Student Pharmacists. Women's Health Committee. Cardiovascular Care Disparities in Women of Color – Presenter

 Arab American Pharmacist Association. Student Chapter. Diabetes presentation by students to Arab American community – Mentor

 Islamic Center of Detroit Health Screening for P2 and P3 students – Preceptor

 Washtenaw County Health Department COVID Vaccine Clinic for Latinx Community – Immunizer (2 events)

2020-presentUniversity of Michigan College of Pharmacy. Pharmacy Scholars Program.

 Preceptor for shadowing experience – 2021

 Guest Speaker – 2020

2017-present Latinx Behavioral Health Steering Committee (LABSCO) of Southeastern MI: Informing Participatory Research – Chair

2016-2019 UM Council for Disability Concerns – Member

2010-present Capuchin Soup Kitchen – Volunteer

2010-present Detroit Rescue Mission Ministries – Volunteer

**Manuscript and Abstract Reviewer**

Research in Social and Administrative Pharmacy (RSAP)

Journal of Managed Care Pharmacy (JMCP)

American Journal of Pharmaceutical Education (AJPE)

Journal of the American Pharmacists Association (JAPhA)

Pharmacotherapy Journal of Human Pharmacology and Drug Therapy

American Society of Health Systems Pharmacy (ASHP)

**AWARDS AND RECOGNITION**

MAR 2023 University of Michigan College of Pharmacy Commendation

SEP 1998 Sinai Hospital, Detroit, MI. Employee of the Month

**MENTORING**

**National Latinx Pharmacy Students and Residents**

National Hispanic Health Foundation mentoring program

2021-present Maria Cintron Lugo, P4 at Nova Southeastern University, Florida.

 Maria Gonzalez, P4 at Ferris State University, Michigan

2019-2022 Ingrid Belaza, PharmD, as student and Pharmacy Resident

**University of Michigan Medical School Students**

2020-present Ruth Bishop

2019-2021 Maria Santos

2019-2020 Aliya Moriera

**MICHR Summer Program Students**

2019 Angel M Ortiz Rodriguez

2017 Erica Godley, Melinda Cook (secondary mentor)

**University of Michigan PharmD Investigation Students**

2021-present Nadine Taleb, Fatima Hafez, Astrid Jimenez, Sara Lucia Busam

2020-present Jin Su De los Santos Kim, Natalie Gaines, Thao Tran, Jose Valencia

2019-present Ahmed Saab, Nohal Mekkaoui

2017-2018 Mathew Barras, Jeffrey Holm (secondary mentor)

**Independent Study Research Elective**

Winter 2021 Elias Gonzalez, BSPS student

Fall 2021 Elias Gonzalez, BSPS student

**Advanced Pharmacy Practice Experiences PharmD Students - Nontraditional Rotation COVID-19**

2021 Brendan Clifford, Alexis Hamelink, Paul Ko, Aradhna Mayalall, Amanda Wahab

2020 Wilson Chen, Erick Leung, Jiaqi Ni, Alexia Saleh, Elani Sanders

**Intermediate Pharmacy Practice Experiences (IPPE) PharmD Students - Ambulatory Care**

2019 Abdurahman Barakat, Dragana Gerasimova, Anne Grech, Cameron McKenzie, Andrea Van Waardhuizen

**Foreign Language**

Fluent speaker, reader, and writer in conversational and medical Spanish

**TECHNICAL PROFICIENCY**

Stata, Microsoft Office, Microsoft Excel, REDCap