

Beatriz Manzor Mitrzyk, PharmD, BCPS, BCACP
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EDUCATION AND TRAINING

Attended	Institution	Type	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 AND CERTIFICATIONS

JUN 2016-present	Board Certified Ambulatory Care Pharmacotherapy (BCACP) Specialist
SEP 2007-present	Board Certified Pharmacotherapy Specialist (BCPS)
JUN 2009-present	Michigan Pharmacy Preceptor License
JULY 2008	Delivering Medication Therapy Management Services in the Community. American Pharmacists Association. Washington, DC
AUG 2006	Pharmacy-Based Immunization Delivery. American Pharmacists Association. Washington, DC.
JUL 1992-present	Michigan Pharmacist License #5302027639
JUL 1992-present	Michigan Pharmacist Controlled Substances License # 5315100760

PROFESSIONAL AND ACADEMIC POSITIONS

MAY 2019-Present	Clinical Assistant Professor and Assistant Research Scientist University of Michigan College of Pharmacy, Ann Arbor, MI (75% effort)
	Ambulatory Care Clinical Pharmacy Specialist Michigan Medicine, Saline Health Center, Saline, MI (20% effort)
JUL 2016-APR 2019	Postdoctoral Research Fellow Clinical Translational Pharmaceutical Sciences, University of Michigan College of Pharmacy, Ann Arbor, MI
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
Facilitator**
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 Medical Center. Detroit, MI

JAN 1994-APR 1999 **Adjunct Clinical Assistant Professor**
Wayne State University College of Pharmacy and Allied Health
Professions, Detroit, MI

JUL 1993-APR 2019 **Adjunct Clinical Instructor**
University of Michigan College of Pharmacy, Ann Arbor, MI.
Preceptor for rotations in: Drug Information (2007-2016); 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

Active Research

MICHR KL2 Award (PI: Ellingrod, V)

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

Sponsor: Michigan Institute for Clinical and Health Research (MICHR) KL2 Mentored Clinical Scientist Career Development Award (J converted to KL2). 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

Completed Research

MICHR Pre-K (J) Award (PI: Ellingrod, V)

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

Sponsor: Michigan Institute for Clinical and Health Research (MICHR) Pre-K (J) Award (4 months of 2 years). 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.

Sponsor: University of Michigan Depression Center Frances and Kenneth Eisenberg

Objectives: 1. Characterize US Hispanic subpopulations' care seeking, treatment avoidance, and medication use behaviors using the 2015 NSDUH. 2. Develop culturally-tailored messaging using the Beliefs About Medicines Questionnaire (BMQ), an expanded Necessity-Concerns Framework (NCF),¹⁴ 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.

Amount funded: \$30,000/2 years

Period: FEB 2018-DEC 2020

M-Cubed Program (PI: 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

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 (hereafter RL-adaptive support) 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 more about providers' knowledge and perceptions of PGx testing will reveal gaps in knowledge, and inform future interventions in order 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

Pending Research Applications

Anti-Racism Grant (PI: Manzor Mitrzyk, B)

Mapping the Paths to Anti-Racism: Using Mixed Methods to Evaluate Diversity, Equity, and Inclusion Policies and Practices at US Schools of Pharmacy.

Sponsor: University of Michigan Anti-Racism Grant. Level 1.

Objectives: 1. Evaluate current DEI efforts at US schools of pharmacy. 2. Evaluate pharmacy student perceptions of anti-racism and DEI efforts at their school of pharmacy.

Amount proposed: \$50,000/1 year

Submitted: June 1, 2021

In Progress Research Applications

Eisenberg Scholar (PI: Manzor Mitrzyk, B)

Behavioral and Physiological Research Domain Criteria (RDoC) as Mechanisms of Early Discontinuation of Antidepressants Among Latinx Adults with Depression and Anxiety.

Anticipated Sponsor: University of Michigan Comprehensive Depression Center. Frances & Kenneth Eisenberg

Amount proposed: \$100,000/2 years

Anticipated submission: June 16, 2021

R34 RFA-MH-18-706 (PI: Manzor Mitrzyk, B)

Randomized, Controlled Trial of AMILDA: A Culturally Tailored Collaborative Drug Therapy Management Intervention for Early Discontinuation of Antidepressants among Latinx Adults with Depression and Anxiety.

Anticipated Sponsor: National Institute of Mental Health (NIMH)

Amount proposed: \$450,000/3 years

Anticipated submission: October 15, 2021

Propelling Original Data Science (PODS) (PI: Manzor Mitrzyk, B)

National-COVID-Cohort-Collaborative (N3C) Data Enclave Analysis of Latinx Adults with History of COVID-19 Infection and Subsequent COVID-19 Vaccination.

Anticipated Sponsor: Michigan Institute for Data Science (MIDAS)

Amount proposed: \$100,000/2 years

Anticipated submission: April 2022

Grants Submitted, not Accepted

Merck Investigator Studies Program (PI: Manzor Mitrzyk, B)

Engineering a Culturally Tailored Intervention to Increase COVID-19 Vaccine Confidence and Access Among Latinx Adults in Michigan.

Sponsor: Merck

Objectives: To develop and assess a text messaging-based tool to assess vaccine confidence, educate about the COVID-19 vaccine, and promote scheduling of vaccination appointments.

Submitted: March 29, 2021.

BD Helping Build Healthy Communities (PI: Manzor Mitrzyk, B)

Implementation of a Telehealth Diabetes, Hypertension, and Dyslipidemia Collaborative Practice Model at a Primarily Latinx Community Health Center in Detroit

Sponsors: Becton, Dickinson and Company; Direct Relief; National Association of Community Health Centers (NACHC)

Objectives: To expand access and improve care for underserved and vulnerable Latinx adults in Detroit, we will develop and evaluate a bilingual collaborative drug therapy management intervention for persons with hypertension not meeting national guidelines blood pressure goal of < 140/90 mmHg.

Submitted: September 22, 2020

ORIGINAL RESEARCH PUBLICATIONS

- 2021 **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>
- 2019 **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
- 2019 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 (2003)*. 2019;59(1):70-78
- 2019 **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.
- 1996 **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.

Original Research Publications – In progress

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 2019 National Survey on Drug Use and Health. Target journal: *Journal of the American Pharmacists Association*

Manzor Mitrzyk B, Gonzalez E, Pinto R, Alegria M, Farris K. Impact of the COVID-19 Pandemic Stay at Home Orders on Antidepressant Use Among Latinx Adults with Depression. Target journal: *Journal of the American Pharmacists Association*

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 and Meta-Synthesis. Target journal: *American Journal of Orthopsychiatry*

Manzor Mitrzyk B, Lopez Medina A, DeSantos J, Pinto R, Alegria M, Farris K. Awareness and Access to Spanish Language Medication Information Sheets and Educational Materials about Antidepressants and Depression. Target journal: Journal of the American Pharmacists Association

Manzor Mitrzyk B, Cook M, Godley E, Marshall V, Erickson S, Farris KB. Retrospective Analysis of Medication Use in Adults with Cerebral Palsy and Spina Bifida in University Ambulatory Care Clinics. Target journal: TBD

PRESENTATIONS

Oral Presentations

2018 **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.

Poster Presentations

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; March 12-15, 2021.

2020 **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 with Depression: Quantitative Data. American Pharmacists Association (APhA) 2020 Virtual Poster Gallery. Remote.

2019 **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; March 21-25, 2019. Seattle, WA. [https://www.japha.org/article/S1544-3191\(19\)30235-3/abstract](https://www.japha.org/article/S1544-3191(19)30235-3/abstract)

2018 **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; March 16-19, 2018. Nashville, TN. [https://www.japha.org/article/S1544-3191\(18\)30139-0/abstract](https://www.japha.org/article/S1544-3191(18)30139-0/abstract)

2017 **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, 2017 Annual Conference. Ann Arbor, MI.

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 2017 Virtual Poster Symposium. www.accp.com/2017vps Accessed on December 3, 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.

- 1995 **Mitrzyk B**, Jarco P, Smolarek R, Rybak MJ. Highly concentrated amikacin, gentamicin, and tobramycin stability and microbiological activity in plastic syringes. (abstract) Presented at 30th American Society of Health-System Pharmacists Midyear meeting, Las Vegas, NV. Dec 7, 1995.
- 1991 Nassiri MR, Cameron MJ, **Manzor B**, Wotring LL, Townsend LB, Drach JC. Cytotoxicity of Tricirbine in Human Cells, a Compound with Potent Activity Against HIV. (abstract) Presented at 31st *International Conference Antimicrobial Agents and Chemotherapy Annual* meeting, Chicago, IL. October 1, 1991.

OTHER PUBLICATIONS

Book Chapter Publications

- 2016 **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.
- 2010 **Manzor Mitrzyk B**. Bacterial and mycobacterial infections. *Natural Standard Herb & Supplement Guide: An Evidence-Based Reference*. 1st Ed. 2010.

Review Article Publications

- 2008 **Manzor Mitrzyk B**. Extensively resistant tuberculosis: Role of the pharmacist. *Pharmacotherapy*. 2008;28(10):1243-54.
- 2007 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.
- 1994 Stumpf JL, **Mitrzyk B**. Management of orthostatic hypotension. *Am J Hosp Pharm*. 1994;51:648-660.

Commentary Publication – in process

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. *AJPE* 2021. Under review.

Editorial Publication

- 2008 Swidan S, **Manzor Mitrzyk B**, Samuels K. A call to action: Start a chain reaction. *JAPhA*. 2008;1.

TEACHING EXPERIENCE

University of Michigan College of Pharmacy

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 research.

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 students. I assisted with 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 43 students to develop knowledge and skills to foster effective interactions between student pharmacists and the aged 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

2021 "A Brief Overview of Health Equity in Pharmacy Practice." Total Pharmacy
conference. AdvanCE. June 19, 2021

PROFESSIONAL ORGANIZATIONS MEMBERSHIP

2021 Institute for Healthcare Policy and Innovation (IHPI) - Faculty Member

National Hispanic Health Foundation (NHHF)

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

American Association of Colleges of Pharmacy (AACP)

2006-present American Pharmacists Association (APhA)

American Society of Health Systems Pharmacy (ASHP)

LEADERSHIP AND SERVICE ACTIVITIES

University of Michigan

2021-present Faculty Development Committee – Member

Graduate Student Admissions – Member

PharmD Student Admissions – Member

2020-present Pharmacy Family Mentor
Rackham Interdisciplinary Workshop for Cuban Studies – Member

Cubanidad – Member

2020 CAC Subcommittee: Clinical Skills - Member

National

2021-present National Hispanic Pharmacist Association (NHPA)
Board of Directors Research Subcommittee Chair

2020-present American Society of Health Systems Pharmacy (ASHP)
Pharmacy Leadership Scholars
Grant Reviewer

American Pharmacists Association (APhA) Foundation
Incentive Grants Review Committee

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

Accreditation Council for Pharmacy Education (ACPE)
Field Reviewer

Michigan Pharmacists Association (MPA)

- Public Affairs Committee (PAC)
- 2007-2012 University of Michigan University Record
Faculty Perspectives Page Reviewer and Contributor
- 2000-2011 American Pharmacists Association (APhA)
Policy Review Committee (PRC)
- 2008-2011 Journal of the American Pharmacists Association (JAPhA)
Editorial Board Member
- 2007-2008 American Pharmacists Association Academy of Pharmaceutical Research &
Science (APhA-APRS)
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

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)

SERVICE

Community Engagement

- 2021 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)
- HUDA Clinic, Dearborn, MI – Preceptor

- 2020-present University of Michigan College of Pharmacy. Pharmacy Scholars Program.
Preceptor for shadowing experience – 2021
Guest Speaker – 2020
- 2019-present Latinx Behavioral Health Steering Committee (LABSCO) of Southeastern MI:
Informing Participatory Research – Chair
- 2016-2019 UM Council for Disability Concerns – Member
- 2010-2019 Capuchin Soup Kitchen – Volunteer
- 2010-2019 Detroit Rescue Mission Ministries – Volunteer

AWARDS AND RECOGNITION

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

MENTORING

National Latinx Pharmacy Students and Residents

- 2021-present Ingrid Belaza, PharmD, Pharmacy Resident, VA in Puerto Rico (National Hispanic Health Foundation mentoring program)
- Maria Gonzalez, P3 at Ferris State University (National Hispanic Pharmacist Association mentoring program)

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

- 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

APPE 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

IPPE PharmD Students - Ambulatory Care

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

FOREIGN LANGUAGE

Fluent Spanish speaker and writer, conversational and medical

TECHNICAL PROFICIENCY

Stata, Microsoft Office, REDCap

bmm 6/21