

Adriana Matos, PharmD, BCGP

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EDUCATION AND TRAINING

Tabula Rasa HealthCare, Moorestown, NJ PGY-1 Pharmacy Practice Residency	7/2017 - 6/2018
Fairleigh Dickinson University School of Pharmacy, Florham Park, NJ Doctorate of Pharmacy	9/2013 - 5/2017
Kean University, Union, NJ Bachelor of Arts in Biology	9/2009 - 5/2013

LICENSURES

Pharmacist Licensure New Jersey State Board of Pharmacy 28RI03863300	7/2017 – 4/2021
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CERTIFICATIONS

TRHC University Certified MedWise Advisor (CMWA)	1/2020
Board of Pharmacy Specialties (BPS) Board Certified Geriatric Pharmacist (BCGP)	11/2019
American Society of Health-System Pharmacists (ASHP) Pharmacogenomics Certificate Program	8/2019
University of the Sciences, Philadelphia, PA Teaching Certification	6/2018
TRHC University Medication Risk Mitigation	8/2017
National Institute of Health (NIH) Protecting Human Research Participants	6/2017
American Pharmacist Association (APhA) Immunization, State of New Jersey	10/2015
American Pharmacist Association (APhA) Diabetes Care Education	3/2015
American Pharmacist Association (APhA) Medication Therapy Management	9/2014

EMPLOYMENT EXPERIENCE**Research Pharmacist****7/2018 – present**

Tabula Rasa HealthCare, Applied Precision Pharmacotherapy Institute, Moorestown, NJ

Department Supervisor: Jacques Turgeon, BPharm, PhD, Chief Scientific Officer and Chief Executive Officer, TRHC Precision Pharmacotherapy Research and Development Institute

- Clinical Pharmacology & Pharmacogenomics
 - Ensure safe and effective medication use for all individuals who have completed PGx testing
 - Routine duties include interpreting pharmacogenomic results, assessing medication regimens, and developing personalized pharmacogenomic consultations
 - Active participation in clinical committees
 - Collaboration with IT developers for clinical decision support
 - Track recommendations to identify clinical outcomes
 - Provide education to pharmacy students, residents, and other healthcare professionals
- Clinical Decision Support
 - Perform ad hoc clinical quality assurance
 - Provide clinical guidance in order to continuously update proprietary software based on new evidence
 - Develop and update algorithm(s) in order to advance proprietary software
 - Develop language for automated rules and creation of medication safety reviews
- Preceptor for Clinical Pharmacology & Pharmacogenomics longitudinal experience
 - Responsible for training PGY-1 pharmacy residents during his/her core learning experience
 - Ensure the residents learn about competitive inhibition and accumulate knowledge on pharmacogenomics
 - Engage in a deep-dive into the biomedical literature to extract pharmacokinetic data for individual medications
 - Review personalized pharmacogenomic consults for individual patients based on drug-drug, drug-gene, and drug-drug-gene interactions
 - Collaborate with the resident on research projects by serving as an advisor
- Research and Clinical Inquiries
 - Identify research opportunities focusing primarily on the older adult population
 - Contribute towards scientific community
 - Provide demonstrations regarding proprietary software to potential clients
 - Perform research into the literature in order to answer in-house clinical inquiries
 - Document responses to build repository

PGY-1 Pharmacy Resident in Geriatric Personalized Medicine**7/2017 – 6/2018**

CareKinesis, Moorestown, NJ

Residency Director: Nishita Shah, PharmD, BCGP

Department Supervisor: Kevin Bain, PharmD, MPH, BCPS, BCGP, CPH, FASCP

- Pharmacogenomics experience
 - Interpretation of pharmacogenomic results and create consultation for patients and clients
 - Design new pharmacogenomic consult template
 - Member of personalized medicine committee
 - Document meeting minutes and distribute to committee members

- Client Development team experience
 - Conduct an antipsychotic drug utilization review on 180 participants
 - Recommend educating healthcare staff regarding proper documentation and diagnosis of antipsychotic medications
 - Attend quarterly team meeting with liaison and the facility's healthcare providers
- Weekly visits to a Program of All-Inclusive Care for the Elderly (PACE) facility
 - Identify and provide targeted recommendations with the goal of adequate pain management to high risk participants on opioids within opioid clinic
 - Counsel participants on medication regimens and complete comprehensive medication reviews accordingly
 - Provide recommendations to healthcare professionals and serve as support as the only pharmacist within the facility
 - Complete targeted falls assessment for participants and present during interdisciplinary falls team meeting
 - Conduct a longitudinal report regarding the interventions made by an onsite pharmacist and their outcomes
- PACE pharmacy call center experience
Preceptor: Zachary Hopkins, PharmD, BCGP
 - Verify prescriptions for clinical accuracy, drug interactions, allergies and completion
 - Work within a team to support a client account through processing medication orders
 - Participate in conducting polypharmacy calls with healthcare providers
- Enhanced Medication Therapy Management (eMTM) call center experience
Preceptor: JT Skelly, PharmD, BCGP
 - Review patient's medication regimen while utilizing proprietary medication risk score and drug interaction matrix
 - Provide recommendations to patients regarding drug interactions and mitigating medication risk
 - Document and submit recommendations to providers regarding patient counseling
- Total quality management department experience
Preceptor: Lisa Banks, PharmD
 - Conduct falls assessments and submit recommendations to mitigate patient risk
 - Analyze high risk patient's medication regimen and complete comprehensive medication review
 - Evaluate pharmacist's utilization of proprietary medication risk score and drug interaction matrix

Pharmacy Intern

4/2012 - 7/2017

Walgreens, Short Hills, NJ

- Prior authorization resolution
- Assisted in drug procurement for low income patients with diabetes
- Identified and assisted patients in accessing patient assistance programs
- Increased patient adherence through consultations
- Inter-professional communication
- Collaborated with various healthcare providers to improve patient care

ADVANCED PHARMACY PRACTICE EXPERIENCE**Community**

3/2017 - 4/2017

Walgreens, Berkeley Heights, NJ

Preceptor: Amanda Khattab, PharmD

- Resolved third party (insurance) coverage barriers by requesting changes per formulary requirements and initiating prior authorizations
- Identified and enrolled patients who were eligible to receive assistance programs to help lower out of pocket costs
- Counseled patients on both prescription and over-the-counter products

Critical Care

2/2017 - 3/2017

University Hospital, Newark, NJ

Preceptor: Nishat Faruqui, PharmD

- Reviewed patient profiles for interventions
- Rounded daily with attending physician and medical students
- Conducted a quality improvement project on stress ulcer prophylaxis in the medical intensive care unit (ICU)

Drug Information, Toxicology

1/2017 - 2/2017

New Jersey Poison Information and Educational System, Newark, NJ

Preceptor: Bruce Ruck

- Contacted open cases for follow up
- Performed search on prevention and treatment for limb ischemia due to inotrope administration
- Attended poison control center monthly case review meeting

Institutional Behavioral Healthcare System

11/2016 - 12/2016

Carrier Clinic, Belle Mead, NJ

Preceptor: Daniel Guma, PharmD, CCP

- Performed drug information analysis on appropriate insomnia medication in patients with cirrhosis of the liver
- MedWatch adverse event reporting program
- In-service presentation on acetaminophen toxicity

HIV and Diabetes Medication Therapy Management**Ambulatory Care**

10/2016 – 11/2016

Zufall Health, Dover, NJ

Preceptor: Ayse Elif Ozdener, PharmD

- "How to use your Spiriva HandiHaler" patient education handout
- Provided clinical intervention recommendations to healthcare providers
- Performed drug information analysis on *Pneumocystis* pneumonia (PCP) prophylaxis for an AIDS patient
- Conducted an in-service presentation on the effect of tiotropium on night-time awakenings in patients with chronic obstructive pulmonary disease (COPD)

Internal Medicine Acute Care**9/2016 - 10/2016**

Community Medical Center, Toms River, NJ

Preceptor: Nicole East, PharmD

- Conducted an in-service presentation on long-term therapy for symptoms attributed to Lyme Disease
- Performed drug information analysis on available evidence regarding the use of cinnamon in lowering blood glucose levels
- “Alcohol withdrawal syndrome” patient case presentation

Medical Device/Patient Safety**6/2016 - 8/2016**

Matchstick LLC. Boonton, NJ

Preceptor: Marty Coyne

- Researched and presented empathy tools and techniques for 9 different disease states
- Applied clinical knowledge to research early Alzheimer's disease
- Worked collaboratively on a client facing project
- Created patient, caregiver, and healthcare provider journeys
- Developed early Alzheimer's disease scenario and dialogue for empathy activity workshop

LEADERSHIP EXPERIENCE

- Pharmacogenomic Education and Training Initiative **8/2019 – 1/2020**
 - Develop pharmacogenomic educational materials, including assessments
 - Led training for initial group of clinical pharmacists (i.e., “train-the-trainer” model)
 - Collaborated with education department to scale training company-wide
- Opioid Initiative **3/2018**
 - Co-led a team of 8 to complete 1,000 targeted medication reviews within a specified deadline
 - Trained team on the platform in order to document targeted medication reviews
 - Assigned tasks to team members accordingly
- Secretary of IPhO Student Chapter, **2/2014 – 5/2016**
Fairleigh Dickinson University School of Pharmacy
- Fellowship/Residency Showcase, guest panel of Fellows and Residents **4/2016**
Co-chaired by FDU IPhO and NJSHS Student Chapters
- Attended IPhO Leadership Summit for Student Leaders, Baltimore, MD **3/2016**
- “Multicentric Castelman Disease,” Poster for Rare Disease Day **2/2016**
- Industry Focused CV Workshop, presented by Jerry Silverman
Hosted by IPhO Student Chapter electoral board members **10/2015**
- Student Recognition Award, **5/2015**
Fairleigh Dickinson University School of Pharmacy

PROFESSIONAL MEMBERSHIPS

Rho Chi Society

American Society of Consultant Pharmacists (ASCP)

American Society of Health-System Pharmacists (ASHP)

American Pharmacists Association (APhA)

New Jersey Pharmacists Association (NJPhA)

PROFESSIONAL MEETINGS

ASHP Annual Meeting – Las Vegas, Nevada	12/2019
ASHP National Pharmacy Preceptors Conference – Dallas, Texas	10/2019
APhA Annual Meeting – Nashville, Tennessee	3/2018
ASHP Annual Meeting – Orlando, Florida	12/2017
ASHP Annual Meeting – Las Vegas, Nevada	12/2016

PROFESSIONAL PRESENTATIONS

ASHP National Pharmacy Preceptors Conference, Dallas, Texas Incorporation of PGY-1 pharmacy residents into a Pharmacogenomics (PGx) service for the Program of All-inclusive Care for the Elderly (PACE)	10/2019
<ul style="list-style-type: none"> ▪ Poster presentation 	
Tabula Rasa Healthcare, Moorestown, NJ Antipsychotics for Behavioral and Psychological Symptoms of Dementia (BPSD)	5/2018
<ul style="list-style-type: none"> ▪ Continuing Education (CE) presentation to pharmacists and healthcare providers ▪ Discussion of alternatives to antipsychotics ▪ Overview of evidence regarding risks and benefits of antipsychotic use 	
APhA Annual Meeting, Nashville, Tennessee Antipsychotic Use within the Program of All-Inclusive Care for the Elderly (PACE)	3/2018
<ul style="list-style-type: none"> ▪ Poster presentation 	
LIFE at Lourdes, Pennsauken, NJ Inhaler Technique: Patient & Provider Education Session	4/2018
<ul style="list-style-type: none"> ▪ Interactive education session with PACE participants and healthcare staff ▪ Demonstration of proper inhaler technique ▪ Creation of educational material 	
Beacon of LIFE PACE Facility, Oceanport, NJ Inhaler Technique: Patient Education Session	3/2018
<ul style="list-style-type: none"> ▪ Interactive education session with PACE participants ▪ Demonstration of proper inhaler technique ▪ Creation of educational material 	
CareKinesis, Moorestown, NJ Adult Patients with Non-Neurogenic Overactive Bladder (OAB)	3/2018
<ul style="list-style-type: none"> ▪ Clinical topic presentation to pharmacists and preceptors ▪ Discussion of appropriate pharmacotherapy in the geriatric population ▪ Analyzing SYNERGY trial for appropriateness of combination therapy 	

- Prophylaxis for Catheter Associated Urinary Tract Infection (UTI) and Amikacin Dosing** 2/2018
- Patient case presentation to pharmacists and preceptors
- Pharmacotherapy for Motor and Non-Motor Symptoms of Parkinson Disease (PD)** 12/2017
- Clinical topic presentation to pharmacists and preceptors
 - Identify pharmacotherapy and differentiate drug-induced parkinsonism
- Asthma and Chronic Obstructive Pulmonary Disease (COPD)** 11/2017
- Clinical topic presentation to pharmacists and preceptors
 - Assess management and pharmacotherapy based on available guidelines
- Renal Dysfunction: Clinical Application** 11/2017
- Clinical topic presentation to pharmacists and preceptors
 - Discuss the role of a pharmacist in monitoring renal function for dose adjustments
- Clinical Application and Genetic Polymorphism Associated with Anticoagulants: Stroke Prevention in Patients with Non-Valvular Atrial Fibrillation (NVAf)** 8/2017
- Clinical topic presentation to pharmacists and preceptors
 - Comparison of oral anticoagulants used in NVAf
- Pharmacologic Mechanisms of Antipsychotic-Associated Adverse Effects: Focus on Behavioral and Psychological Symptoms of Dementia (BPSD)** 8/2017
- Clinical topic presentation to pharmacists and preceptors
 - Identify the receptor blockade effect of antipsychotics to predict side effect profile
- Dyslipidemia – Comparison of National Lipid Association (NLA), American Diabetes Association (ADA) 2017, and National Cholesterol Education Panel Adult Treatment Panel III (ATP III) Guidelines** 7/2017
- Clinical topic presentation to pharmacists and preceptors
 - Discuss benefits and challenges associated with available guidelines
 - Identify tools used to assess patient risk

RESEARCH

Bain KT, Knowlton CH, Matos A. Cost avoidance related to a pharmacist-led pharmacogenomics service for the Program of All-inclusive Care for the Elderly [published online ahead of print, 2020 Jun 9].

Pharmacogenomics. 2020;10.2217/pgs-2019-0197. doi:10.2217/pgs-2019-0197

Matos A, Bain KT, Bankes DL, Furman A, Skalski B, Verzicco K, Turgeon J. Cytochrome P450 (CYP450) Interactions Involving Atypical Antipsychotics are Common in Community Dwelling Older Adults Treated for Behavioral and Psychological Symptoms of Dementia. *Pharmacy*. 2020;8,63.

doi:10.3390/pharmacy8020063

Matos A, Bardolia C, Amin N, Bain K. Incorporation of PGY-1 pharmacy residents into a pharmacogenomics (PGx) service for the Program of All-Inclusive Care for the Elderly (PACE). Accepted for poster presentation at the ASHP National Pharmacy Preceptors Conference, Dallas, TX. (2019)

Bain KT, Matos A, Knowlton CH, McGain D. Genetic variants and interactions from a pharmacist-led pharmacogenomics service for PACE. *Pharmacogenomics*. 2019;20(10):709-718. doi:10.2217/pgs-2019-0047

The Use of Antipsychotics in the Program of All-inclusive Care for the Elderly (PACE). Registered with ClinicalTrials.gov, Identifier: NCT03692182

Antipsychotic Use within the Program of All-inclusive Care for the Elderly (PACE). Investigator initiated protocol # AP-BPSD-001. Accepted by BRANY IRB # 18-12-228-427

Matos A, Bain K, Verzicco J. Antipsychotic Use within the Program of All-Inclusive Care for the Elderly (PACE). Accepted for poster presentation at the APhA Annual Meeting, Nashville, TN. (2018)

VOLUNTEER EXPERIENCE

Clara Maass Medical Center, Belleville, NJ

8/2015 - 5/2016

Data Collection

- Warfarin Protocol, Medication Utilization Evaluation (MUE)
- Falls in hospital, Medication Utilization Evaluation (MUE)

Update Hospital Pharmacy Protocol

- Convert original hospital pharmacy protocol into an updated electronic version

LANGUAGES

English – native language

Portuguese – speak fluently, read and write with high proficiency

Spanish – speak, read, and write with basic competence