

SUMMARY

Licensed pharmacist with HEOR pharmaceutical industry experience, biostatistician, and a teaching background. Passionate about effectively measuring and communicating treatment outcomes that matter most to patients.

PROFESSIONAL EXPERIENCE

Case Western Reserve University, Biostatistics Teaching Assistant

Aug 2022-Current

- Tutor students pursuing a graduate degree in Biostatistics at Case Western Reserve University
- Evaluate assignments and research projects

Novartis, Patient Centered Outcomes Fellow

Jun 2021-Dec 2022

- Primary biostatistician for REACH3 PRO analysis and provide support for PRO Statistical Analysis Plans, including psychometric analyses, for phase II and III trials in NSCLC, breast cancer, myelodysplastic syndrome, paroxysmal nocturnal hemoglobinuria, and sickle-cell disease.
- Initiate and support internal education initiatives to promote estimand thinking in PRO analyses including an analysis guidance document, a case study presentation, an internal conference abstract, and an informational session on time to deterioration analyses
- Support planning of PRO strategies including qualitative research, targeted literature reviews, conceptual models, briefing books for health authority interactions, instrument selection and schedule of assessments

Touro College of Pharmacy, Pharmacy Intern

Jun 2016-Sep 2019

- New York State Licensed intern. Please refer to 'Rotational Experience' section

Touro College of Pharmacy, Tutor

Jun 2016 – Apr 2018

- Group and private tutored in the areas of therapeutics, pharmacokinetics, pharmaceuticals, and non-prescription drug use
- Delivered professional presentations and developed assessment questions

Anna Maria of Aurora, State Tested Nurse Aid

Jan 2014- Jul 2015

- Provided care to dementia patients
- Trained incoming nurse aids

Private Spanish Tutor

Sep 2014- May 2015

- Tutored college-level Spanish, primarily focusing on building vocabulary and refining grammar

Raymond S. Kellis High School, Teacher and Coach

Jul 2013- Jun 2014

- Taught biology and chemistry to at risk students at a Title 1 school
- Redesigned the biology curriculum to align with Arizona state standards with the goal to improve the school's performance on state assessments
- Volunteered as a coach for the track team

Private Algebra Tutor

2013- 2014

- Private tutored high school algebra I

Peralta Elementary School, Middle School Teacher

2013

- Taught 5th grade science at a title 1 school

PUBLICATIONS

Peer-Reviewed Research Publications in Print or Other Media

1. **Petrenchik L.** Loh F.E. Factors Affecting Non-Insulin Antidiabetic Drug Adherence in Patients with Type 2 Diabetes: A Systematic Review. *Current Research in Diabetes and Obesity Journal*. 2020;12(5):555848

Manuscripts In-Preparation for Submission

1. Lee SJ, Locatelli F, Ayuketang F, Ayuk, Zuckerman T, Fukushima K, Vallejo C, Pidala J, Hamad N, Moiseev I, Bonifazi F, Apte S, Zeiser R, Bhatt V, Gowda M, Stefanelli T, **Petrenchik L**, Zuurman M, Teshima T. Patient-Reported Outcomes Among Patients With Steroid Refractory or Dependent Chronic Graft -vs-Host Disease Randomized to Ruxolitinib vs Best Available Therapy. *Journal of Clinical Oncology*. In preparation for submission.
2. Rizio A, White M, **Petrenchik L**, Ruault A, Gruenberger JB, Marfo K, Ataga K. An international, longitudinal, observational study to evaluate the psychometric properties of a daily diary for adolescents and adults with sickle cell disease. In preparation for submission.

Peer-Reviewed Abstracts/Poster Presentations

1. Avery A, Rizio, Michelle K. White, **Lindsay Petrenchik**, Anne Ruault, Jean-Bernard Gruenberger, Kwaku Marfo, Kenneth I. Ataga. An international, longitudinal, observational study to evaluate the psychometric properties of a daily diary for adolescents and adults with sickle cell disease. *ASCAT-EHA-BSH Sickle Cell Disease Conference 2022*, held in London, United Kingdom on 20–22 October 2022
2. **Lindsay Petrenchik**, Farren Briggs. The Burden of Opportunistic Infections in Hospitalized Multiple Sclerosis Patients: A population-based study of 30.3 million hospitalized U.S. patients. *American Academy of Neurology Conference 2022*, held in Seattle Washington on April 02-07 2022
3. **Petrenchik L.**, Loh F.E. Factors Affecting Non-Insulin Antidiabetic Drug Adherence in Patients with Type 2 Diabetes. *American Diabetes Association (ADA) 78th Scientific Sessions*, Orlando, FL, Jun. 25, 2018.

4. **Petrenchik L.**, Hussain N., Charles, P., Peprah H., Loh F.E. Cost Effective Analysis of Apixaban versus Warfarin for the Prevention of Stroke as A Result of Atrial Fibrillation: A Systematic Review. *International Society of Pharmacoeconomics and Outcomes Research (ISPOR) 23rd Annual International Meeting*, Baltimore, MD, May 21, 2018.

INVITED PRESENTATIONS

1. Ghebremariam S, Degtyarav E, Ma F, Vallow S, **Petrenchik L.** Panelist. Clinical and Regulatory Perspectives on Estimands in Patient-Reported outcomes (PROs): Recent FDA Interactions. *Promotion of Estimands Thinking Seminar [Novartis]*. November 2022
2. C Dunger-Baldauf, E Degtyarav, F Ma, E Ortmann , **L Petrenchik**, C Holmes. How can evidence about time to deterioration based on patient reported outcomes support decision making of patients, physicians, regulators, and health technology assessment bodies? Looking close and beyond. *Development Innovation Conference [Novartis]*. October 2022
3. **Petrenchik L**, Ortmann E, Dunger-Baldauf C. Estimands in the context of PROs. *Promotion of Estimands Thinking Working Group [Novartis]*. July 2022
4. Dunger-Baldauf C, Izem R, **Petrenchik L**, Salomon H, Hudgens S. Updates on Patient Report Outcomes (PRO) Time to Deterioration Analyses in Oncology Clinical Trials. *Biostatistics Seminar [WMA Oncology Analytics; Novartis]*. June 2022
5. Zhang Y, Sakar R, Liu A, **Petrenchik L.** GMA overview of REACH3 publication activities. *GMA Biostatistics [Novartis]*. March 2022.
6. **Petrenchik L**, Manson S, Nandi K. RShiny for PRO data visualization: Tabrecta case study. *Advanced Analytics Workshop [Novartis]*. January 2022
7. **Petrenchik L.** Amida Care Pharmacy and Therapeutics Review: Pifeltro & Delstrigo. Amida Care, New York, NY. September 2018
8. Housing Works, **Petrenchik L.** Naloxone Kits and Training. Touro College of Pharmacy. April 2018
9. **Petrenchik L.** Amida Care Pharmacy and Therapeutics Review: Steglatro. Amida Care, New York. March 2018

ROTATIONAL EXPERIENCE

2015-2019

InPharmD, Drug Information

- Responded to providers' drug information requests by critically evaluating and synthesizing primary and secondary literature
- Demonstrated effective literature search strategies using the databases as Dynamed, Micromedex, and Pubmed

Amida Care, Medication Therapy Management

- Presented at Pharmacy and Therapeutics Committee meetings to add Steglatro, Pifeltro, and Delestigo to formulary
- Conducted drug utilization reviews and contacted the patients and prescribers regarding plans to resolve the identified medication-related problems

Harlem Hospital, Acute Care

- Made successful interventions regarding narrowing spectrum of antibiotic coverage based on culture and sensitivity, IV to PO conversions, dosing strategies in special populations, and cost-savings measures

Bronx Hospital, Internal Medicine and Ambulatory Care

- Primary role was providing answers to drug information questions
- Translated during rounds and counseled patients in Spanish on HIV, asthma, heart failure, and diabetes

Mount Sinai, IV Sterile Compounding

- Prepared IV admixtures using aseptic technique
- Illuminated cost savings strategies to the pharmacy manager and presented a recommendation to switch from calcitonin to pamidronate to treat hypercalcemia

Common Grounds, Costa Rica

- Partnered with a primary clinic to educate Nicaraguan and Costa Rican women regarding treatment and protection against sexually transmitted diseases, how to measure blood pressure, and how to provide care to their community for certain conditions (e.g. concussions, seizures)
- Dispensed medications and counseled patients at a community pharmacy

Ride-Aid, Community IPPE & APPE

- Organized a health event in which I measured patient's blood pressure, provided pharmacologic and non-pharmacologic counseling, and offered smoking cessation education
- Identified, evaluated, and communicated to prescriber's the appropriateness of medications, dosing, and routes of administration.

EDUCATION AND CERTIFICATIONS

PharmD, Pharmacy, Touro College of Pharmacy, New York, NY (GPA 3.98)

MS, Biostatistics, Case Western Reserve University, Cleveland, OH (GPA 4.0)

BA, Biochemistry and Hispanic Studies, Wheaton College, Norton, MA (GPA 3.62)

Pharmacist, License No. 03439471

SAS Certified Specialist, Certificate No. GX6TKBD12ERQQJCD

Secondary Education, Certificate No. 294926206

PROFESSIONAL ACTIVITIES

Drug Information Association, Clinically Meaningful Change Working Group 3

- Contribute to reviewing and synthesizing methods for deriving meaningful within-patient, between-group, and within-group change for patient reported outcome measures

International Society of Pharmacoeconomics and Outcomes Research, President

- Instructed students on the principals of health economics and outcomes research and its real-world application and provided support to students with personal CEAs.
- Lead professional development opportunities (naloxone training, educating middle schoolers on economic theories, health economics and outcomes research opportunities)

Touro College of Pharmacy, Ambassador

- Assisted in the interview process of prospective pharmacy students

Pharmacists for Public Health, Leader

- Organized volunteer events and general body meetings

HONORS AND AWARDS

Student of the Year, Case Western Reserve University
 Summa Cum Laude, Touro College of Pharmacy
 Rho Chi, Touro College of Pharmacy
 Phi Lambda Sigma
 Sigma Delta Pi National Collegiate Hispanic Honor Society
 Tri Beta Biological Honor Society
 Wheaton Foundation Grant

VOLUNTEER EXPERIENCE

Junior Achievement New York Business Plan Competition Quarterfinals	Jun 2018 & Jun 2019
Back On My Feet Team Uptown Running Volunteer	Oct 2018-Jun 2019
Medicare Part D Enrollment Volunteer	Nov 2018
2100 Lakeside Men’s Shelter Resume Building Volunteer	Aug 2014- Jun 2018
FCBC Blanket Drive for the Homeless Volunteer	Jan 2018
Junior Achievement (NYC) Economics Instructor	Nov 2017
FCBC Breakfast Before Books Volunteer	Nov 2016
Junior Achievement (CLE) Economics Instructor	Oct 2014-May 2015
Pure Heart Church Homeless Ministry	Feb 2014-July 2014
Pure Heart Church Birthday Blessings Volunteer	Apr 2014- May 2014

OTHER SKILLS

- Programming in SAS (Associate and Base Certifications) and R
- Diverse visualization techniques including RShiny
- Analysis of continuous (parametric and non-parametric), categorical, and multiple count data with experience in longitudinal mixed effects and survival models
- Propensity score matching and weighting methods for observational data
- Fluent in Spanish

