

Whitney Chiu

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EDUCATION

University of Toronto

2018 - Present

Master of Public Health in Epidemiology

- Proficient in R, SAS, LaTeX
- Applied Bayesian Methods: Bayesian inference and Markov Chain Monte Carlo Methods
- Modern Biostatistics and Statistical Learning
- Biostatistics I& II: GLMs, Cox proportional hazard models, Poisson regression
- Modern Statistical Genetics: Multiple hypothesis testing, Implementation of MLE algorithms

Taipei Medical University

2014 - 2018

Bachelor of Science in Pharmacy

- Advanced courses: Pharmacoeconomics

University of Southern California

2016

Visiting Student in School of Pharmacy

- Studied SOAP notes on Psychiatry therapeutic guidelines.
- Advanced courses: Drug Design
demonstrated PyRx software to explore receptor/ ligand interaction

PUBLICATIONS

1. **Retinol binding protein-4, fetal overgrowth and fetal growth factors** 2019
MN Yang, GH Zhang, Kun Du, WJ Wang, Yu Dong, Hua He, HC Whitney Chiu, YN Guo, Fengxiu Ouyang, Jun Zhang, XL Hua, and ZC Luo
Accepted to *Pediatric Research*
2. **Sex dimorphisms in the associations of gestational diabetes mellitus with cord blood adiponectin and RBP-4 levels** 2019
MN Yang, HC Whitney Chiu*, ZC Luo et al.*
Submitted to *Diabetes Care*

WORKING EXPERIENCE

The Hospital for Sick Children

October 2019 - February 2020

Research Assistant, under supervision of Dr. Andrew Paterson

- Project in Genetics and Genome Biology,

The Hospital for Sick Children

October 2019 - February 2020

Clinical Research Assistant, supervised by Dr. Emilie Jean-St-Michel

- Project in outcomes research of the Transposition of the great arteries

- Lunefeld Tanenbaum Research Institute** **May - August, 2019**
Summer Research Analyst, supervised by Dr. ZC Luo
 - Co-authored two papers in clinical epidemiology
 - Presented research in a poster session and seminars
- Mackay Memorial Hospital** **January - May, 2018**
Hospital Pharmacist Intern
 - Proficient in reading medical charts and using health administrative system
 - Outpatient and Inpatient pharmacy services
 - Drug information services and patient counseling
 - Analyzed drug adverse events
- SANOFI Co., Ltd** **July - August, 2017**
Medical and Pharmacovigilance Summer Intern, supervised by Dr. Dephanie Huang
 - Presented innovative marketing strategy in Diabetes: cross-industry cooperation development and digital marketing application design
 - Systematically go through large number of papers in a specific therapeutic area
 - Contributed to the entire production of Pharmacovigilance training video
 - Examined healthcare system and drug development process from the industry perspective
 - Represented company participated in 2017 Health Technology Assessment Symposium and 2017 Asia Pacific Workshop on Social and Administrative Pharmacy
- Great Tree Pharmacy Co., Ltd,** **January - February, 2017**
Pharmacist Winter Intern
 - Pharmacy administration and management
 - Provide patient counseling services
- Taipei Medical University** **August 2016 - June 2017**
Laboratory project in Pharmacology research assistance, supervised by Dr. Ming-Jen Hsu
 - Project title: Anti-inflammatory action of a novel hydroxamate-based compound, WMJ-Q7.
 - Nominated as National Science Council Research Scholarship recipient
 - Performed Western blotting and RT-PCR protocols
- Taipei Medical University** **September 2015 - June 2016**
Laboratory project in Global health research assistance, supervised by Dr. Ya-Wen Chiu
 - Project title: Assessment of efficiency and impact of Taiwan's medical aids to allied countries
 - Structured conclusions through SAS programming

EXTRACURRICULAR

- University of Toronto Public Health Student Association** **2018 - 2019**
Member of Advocacy Committee
 - Participated in the organizing a HIV awareness week in March 2019
- Taipei Medical University Pharmaceutical Business Administration Club** **2016 - 2017**
 - Organized campus recruits: Medtronic, Taiwan
 - Organized TMU Healthcare Industry Networking Party
- Taipei Medical University Pharmacy Service Team** **2015 - 2016**

- Held a pharmacy winter camp for elementary students
- Offered health examination and home visit service in remote villages