

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: Deep learning systems
- 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, 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*

RESEARCH EXPERIENCE

The Hospital for Sick Children

January 2020 - Present

Research Assistant, supervised by 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