

Tianze Jiao, PhD

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Education

Postdoctoral fellow, Epidemiology, Biostatistics & Occupational Health 02/2018-06/2021

McGill University, Montreal, QC, Canada

Main Project Title: A personalized dynamic blood pressure control plan for cardiovascular disease prevention among patients with hypertension at low cardiovascular disease risk

Supervisor: Robert W. Platt, Ph.D.

PhD, Pharmacotherapy Outcomes Research & Health Policy 12/2017

University of Utah, Salt Lake City, UT, USA

Thesis Title: Investigation of the Optimal Timing of Treatment Change to Maximize the Delay of Onset Mucoïd Pseudomonas aeruginosa Pulmonary Infection in Pediatric Cystic Fibrosis Patients

Committee: Diana I. Brixner*, Ph.D., R.Ph (chair), Theodore G. Liou**, M.D., Vanessa Stevens*, Ph.D., David C. Young*, Pharm.D., Yue Zhang**, Ph.D.

* Department of Pharmacotherapy, College of Pharmacy, University of Utah

** Internal Medicine, University of Utah

BSc, Major: Pharmacy, Minor: Economics 06/2011

China Pharmaceutical University, Nanjing, P.R. China

Honors and Awards

International Society for Pharmacoepidemiology Scholarship 2020, 2021

The Outstanding Contribution of Peer Reviewer for Value in Health 2017

A Student Research Grant from International Society for Pharmacoeconomics and Outcomes Research

(ISPOR) Real World Evidence Task Force: \$1,000 (USD) 06/2016-08/2016

The Associated Students of the University of Utah, Travel Award: \$400 (USD) 2016

The Highest Performing Peer Reviewer for Journal of Managed Care and Specialty Pharmacy

2015, 2020

The Associated Students of the University of Utah, Travel Award: \$400 (USD) 2015

Grants

American Heart Association Travel Grant for Data Bootcamp Jiao 01/2024 - 03/2024

To support individuals with clinical or epidemiological expertise and biostatistics/programming skills to learn how to access and analyze the American Heart Association's Get With The Guidelines® data for research grants in the Precision Medicine Platform.

Role: Principle Investigator

UF College of Pharmacy PROSPER Research Seed Awards Jiao 04/2023 - 04/2024

Individualized Risk-benefit Trade-off Prescribing Strategy for Antihypertensive Drugs in People with Concomitant Hypertension and Type 2 Diabetes

The objective of this project is to 1) investigate the risks (hyperglycemic effects) of antihypertensive drugs for people with hypertension and type 2 diabetes; 2) investigate the benefits (cardioprotective effects) of antihypertensive drugs for people with hypertension and type 2 diabetes using claims (Medicare) database.

Role: Principle Investigator

Bill & Melinda Gates Foundation - INV-047564 Schmidt / Jiao 12/2022 - 12/2024

Using physiologically-based pharmacokinetic modeling, model-based meta-analysis, and real-world data analysis to inform dosing of hormonal contraceptives-- the real-world evidence of drug-drug Interactions and breakthrough bleeding

The objective of this project is to 1) evaluate drug-drug interactions associated with various progestins used via various routes of administration including oral, implant, and injectable products; 2) compare and identify the progestins with the minimum drug-drug interactions; 3) generate real-world evidence by developing algorithms and conducting analyses for breakthrough bleeding using claims (MarketScan) database.

Role: Principle Investigator

CDC - U18DP006711 Shao / Phillips 09/2022 - 08/2027

Assessing Barriers and Facilitators for Participating Structured Lifestyle Intervention and its Real-world Effectiveness and Cost-Effectiveness among US Veterans

The objective of this project is to leverage electronic health records and advanced AI methods (e.g., NLP for clinical notes) to identify barriers and facilitators to the enrollment and completion of the NDPP, and evaluate its long-term effectiveness and cost-effectiveness through microsimulation. Results generated from this study will fill critical knowledge gaps in implementing the NDPP in the US, thus helping to improve its future implementation.

Role: Co-Investigator leads the core of the predictive model

Canadian Institutes of Health Research - CIHR425772 Filion / Jiao 05/2020 - 04/2022

A Personalized Dynamic Blood Pressure Control Plan for Cardiovascular Disease Prevention among Patients with Hypertension at Low Cardiovascular Disease Risk

This study evaluated the performance and demonstrated the application of dynamic marginal structural model to emulate a target trial using real-world data (Clinical Practice Research Datalink); and investigated the effectiveness of a lower target BP compared to the standard target among patients at low risk of cardiovascular diseases.

Role: Principle Investigator

Teaching Experience

Co-instructor – Intermediate Pharmacoepidemiology	Spring 2024
Instructor – Supervised Research	Fall 2023 & Spring 2024
Instructor – Research Seminar	Fall 2023 & Spring 2024
Co-instructor – P-Epidem Drug Safety	Fall 2023
Co-instructor – Introduction to Pharmaceutical Outcomes and Policy	Spring 2022 & 2023 & 2024
Co-instructor – Confounding in Pharmacoepidemiology: Modern Control Techniques	Summer 2019 & Summer 2021
Co-instructor – Drug Regimen Review and Real-World Evidence Clerkship	Fall 2015
Teaching assistant – Pharmacotherapy Outcomes Research II	Spring 2014

Mentoring Experience

Advisor:

Qi (Chloe) Jian, Ph.D. *TBD*. 08/2023-Present

Nele Melcher, Pharmacy intern. *Inconsistent recommendation on dose adjustment with the new CKDEPI algorithm*. 05/2023-12/2023

Julia Yang, M.Sc. *Telemedicine : a new candidate to improve the healthcare for postpartum women with hypertension*. 12/2022-Present

Fanxing Du, Ph.D. *TBD*. 08/2022-Present

Zhiying Zhao, Postdoctoral fellow. *Using machine learning approach to support the cohort creation in observational study: a new application of high-dimensional propensity score*. 07/2022-09/2023

Committee member:

Asinamai Ndai, Ph.D. *TBD*. 05/2023-Present

Hung-Kai (Henry) Chen, Ph.D. *TBD*. 04/2023-Present

Matthew Muschett, Ph.D. *TBD*. 04/2023-Present

Kayla Smith, Ph.D. *TBD*. 04/2023-Present

Kimia Zandbiglari, Ph.D. *TBD*. 04/2023-Present

Dawei Guan, Ph.D. *TBD*. 11/2022-Present

Celeste Ewig, Ph.D. *TBD*. 08/2022-Present

Sumaya Abuloha, Ph.D. *TBD*. 05/2022-Present

Khalid Alkhuzam, M.Sc. *Long-term Health Benefit and Economic Return of Time in Range (TIR) Improvement in Individuals with Type 2 Diabetes*. 06/2022-06/2023

Shu Niu, M.Sc. *5-Year Simulation of Diabetes-related Complications in People treated with Once-Weekly Tirzepatide or Semaglutide vs. Once Daily Insulin Glargine*. 06/2022-06/2023

Alaa A. Alshehri, M.Sc. *Racial/Ethnic and Socioeconomic Disparities in the Utilization of GLP-1Ra and SGLT2i among US Adults with Type 2 Diabetes by Cardiovascular and Renal Disease Indications (2018-2019)*. 04/2022-06/2023

Para-Professional Activities

Committee Memberships

Member of the Organizing Committee of the 7th Annual Postdoctoral Research/Career Day

ALL UNIVERSITIES IN QUEBEC, CANADA
Leader of the academic session 11/2019-12/2020

Member of the Association of Postdoctoral Fellows in McGill University
MCGILL UNIVERSITY, MONTREAL, QC, CANADA
Chair 09/2018-08/2020

Member of the ISPOR Student Network Educational Committee 09/2014-08/2015

Member of the ISPOR Student Chapter
UNIVERSITY OF UTAH, SALT LAKE CITY, UT, USA
President 09/2014-08/2015
Vice President 04/2013-08/2014
Member 09/2012-03/2013

International Activities

Reviewer for the Best paper of the 2023 China Health Policy and Management Society

Member of Professional Societies

American Heart Association 2022-Present
Society for Epidemiologic Research 2019-Present
International Society for Pharmacoepidemiology 2018-Present
Society for Causal Inference 2017-Present
International Society for Pharmacoeconomics and Outcomes Research 2012-Present

Peer Reviewer for Journal

Journal of American Heart Association 11/2023-Present
Drugs - Real World Outcomes 06/2023-Present
Plos One 04/2023-Present
ClinicoEconomics and Outcomes Research 07/2015-Present
Drug, Healthcare and Patient Safety 07/2015-Present
Value in Health 06/2015-Present
Journal of Managed Care & Specialty Pharmacy 06/2015-Present

Publications and Presentations

Peer-reviewed Journals:

1. **Jiao T**, Platt RW, Douros A, Filion KB. Is the Intensive Blood Pressure Control plan better? Emulating SPRINT among Patients with Hypertension in an observational database in United Kingdom. (minor revision from Annals of Internal Medicine)
2. Wang Y, **Jiao T**, Muschett MR, Brown JD, Guo SJ, Kulshreshtha A, Zhang Y, Winterstein AG, Shao H. Associations Between Postdischarge Care and Cognitive Impairment-Related Hospital Readmissions for Ketoacidosis and Severe Hypoglycemia in Adults With Diabetes. Diabetes Care. 2024 Feb 1;47(2):225-232. doi: 10.2337/dca23-0013. PubMed PMID: 38048487.
3. Niu S, Alkhuzam KA, Guan D, **Jiao T**, Shi L, Fonseca V, Laiteerapong N, Ali MK, Schatz DA, Guo J, Shao H. 5-Year simulation of diabetes-related complications in people treated with

tirzepatide or semaglutide versus insulin glargine. *Diabetes Obes Metab*. 2024 Feb;26(2):463-472. doi: 10.1111/dom.15332. Epub 2023 Oct 22. PubMed PMID: 37867175

4. **Jiao T**, Platt RW, Douros A, Filion KB. Use of a Statistical Adaptive Treatment Strategy Approach for Emulating Randomized Controlled Trials Using Observational Data: The Example of Blood-Pressure Control Strategies for the Prevention of Cardiovascular Events Among Individuals With Hypertension at High Cardiovascular Risk. *Am J Epidemiol*. 2023 Sep 1;192(9):1576-1591. doi: 10.1093/aje/kwad091. PubMed PMID: 37073411.
5. **Jiao T**, Ruzieh M. Letter by Jiao and Ruzieh Regarding Article, "Comparative Effectiveness of Left Atrial Appendage Occlusion Versus Oral Anticoagulation by Sex". *Circulation*. 2023 Aug 8;148(6):508-509. doi: 10.1161/CIRCULATIONAHA.123.064702. Epub 2023 Aug 7. PubMed PMID: 37549202.
6. Zandbiglari K, Hasanzadeh HR, Kotecha P, Sajdeya R, Goodin AJ, **Jiao T**, Adiba FI, Mardini MT, Bian J, Rouhizadeh M. A Natural Language Processing Algorithm for Classifying Suicidal Behaviors in Alzheimer's Disease and Related Dementia Patients: Development and Validation Using Electronic Health Records Data. *medRxiv*. 2023 Jul 24;. doi: 10.1101/2023.07.21.23292976. PubMed PMID: 37546764; PubMed Central PMCID: PMC10402223.
7. **Jiao T**, Schnitzer ME, Forget A, Blais L. Identifying Asthma Patients at High Risk of Exacerbation in A Routine Visit: A Machine Learning Model. *Respir Med*, July 2022; 198:106866
8. Shao H, Guan D, Guo J, **Jiao T**, Zhang Y, Luo J, Shi L, Fonseca V, Brown JD. Projected Impact of the Medicare Part D Senior Savings Model (SSM) on Diabetes-Related Health and Economic Outcomes Among Insulin Users Covered by Medicare. *Diabetes Care*, 2022 Jun 14;dc212601.
9. **Jiao T**, Platt RW, Douros A, Filion KB. Prescription Patterns for the Use of Antihypertensive Drugs for Primary Prevention among Patients with Hypertension in the United Kingdom. *American Journal of Hypertension*. *Am J Hypertens*, Aug 2021; hpab 137.
10. Racine G, Forget A, Moullec G, **Jiao T**, Blais L, Lemiere C. Predictors of asthma control and exacerbations: a real-world study. *J Allergy Clin Immunol Pract*. July 2021; 9(7):2802-2811.e2.
11. Bellows BK, Kuo KL, Biltaji E, Singhal M, **Jiao T**, Cheng Y, McAdam-Marx C. Real-world Evidence in Pain Research: A Review of Data Sources. *J Pain Palliat Care Pharmacother*. Sep 2014; 28(3):294-304.
12. Biskupiak JE, Ghathe SR, **Jiao T**, Brixner D. Cost Implications of Formulary Decisions on Oral Anticoagulants in Nonvalvular Atrial Fibrillation. *Journal of Managed Care Pharmacy*. Nov-Dec 2013; 19(9):789-798.
13. Lin J, **Jiao T**, Biskupiak JE, McAdam-Marx C. Application of Electronic Medical Record Data for Health Outcomes Research: A Review of Recent Literature. *Expert Review of Pharmacoeconomics & Outcomes Research*. Apr 2013; 13(2):191-200.

14. Bellows BK, Dahal A, **Jiao T**, Biskupiak J. A Cost-utility Analysis of Pregabalin versus Duloxetine for the Treatment of Painful Diabetic Neuropathy. *Journal of Pain & Palliative Care Pharmacotherapy*. Jun 2012; 26(2):153-164.

Abstracts:

* Indicates oral presentation by Jiao T

** Indicates poster presentation by Jiao T

1. Roussos-Ross K, Wen TS, **Jiao T**, Varma D, Goodin A. Utilizing ecological momentary assessment in the postpartum evaluation of patients with hypertensive disorders of pregnancy. *AJOG*. Jan 2024; 230(1): S418. <https://doi.org/10.1016/j.ajog.2023.11.810>
2. Du F, Smith S, Bress AP, **Jiao T***. The Impact of De-escalating Antihypertensive Drugs: A Secondary Analysis of the Systolic Blood Pressure Intervention Trial (SPRINT). Presented as oral presentation at the American Heart Association Hypertension Scientific Sessions 2023. Boston, MA. Sep 7-10, 2023.
3. Zhao Z, Ruzieh M, Foy AJ, Naccarelli GV, Platt R, **Jiao T****. Using High Dimensional Approach to Assist Non-active Comparator Selection in the Retrospective Study: A Case Study for WATCHMAN Device. Presented at the 39th Annual International Conference on Pharmacoepidemiology. Halifax, NS, Canada. Aug 23-27, 2023.
4. Guan D, Li P, Fonseca V, Shi L, Ali MK, Varghese JS, Carrillo-larco RM, Rouhizadeh M, Winterstein AG, **Jiao T**, Shao H. Developing a Machine-Learning–Based Prediction Model for Diabetes Duration Using Information from Electronic Health Records. Presented at the American Diabetes Association 83th Conference. San Diego, CA. June 23-26, 2023
5. Niu S, Alkhuzam K, Huang W, Tang H, Varghese JS, **Jiao T**, Zhang Y, Guo S, Shao H. Factors Associated with Glucose-Lowering Drug Adherence Among US Adults with Type 2 Diabetes. Presented at the International Society for Pharmacoeconomics and Outcomes Research 2023 Annual International Meeting. Boston, MA. May 7-10, 2023.
6. Blotner M, Ruzieh M, **Jiao T**, Smolinski NE, Naccarelli G, Mandrola JM, Foy A. Anticoagulation Use After Percutaneous Left Atrial Appendage Occlusion in Medicare Beneficiaries. Presented at the American Heart Association Scientific Session. Nov 5-7, 2022
7. Shao H, Alkhuzam K, **Jiao T**, Zhang P, Gregg EW. Racial/Ethnic Differences in the Use of Blood Pressure–Lowering Drugs Associated with Different Risk levels of Type 2 Diabetes among U.S. Adults without Diabetes. Presented at the American Diabetes Association 82th Conference. June 3-8, 2022
8. Li P, Zhang P, Guo J, Brown JD, **Jiao T**, Shao H. Racial and Ethnic Disparities in Cognitive Impairment-related Health Impact in individuals with Diabetes. Presented at the American Diabetes Association 82nd Scientific Sessions. New Orleans, LA. June 3-7, 2022.
9. Niu S, **Jiao T**, Guo Y, Bian J, Shi L, Fonseca V, Shao H. Five-Year Simulation of Diabetes-Related Complications in Individuals Treated with Once-Weekly Tirzepatide and Semaglutide vs. Once-Daily Insulin Glargine. Presented at the American Diabetes Association 82nd Scientific Sessions. New Orleans, LA. June 3-7, 2022.

10. Wang Y, Zhang P, Brown JD, Guo J, **Jiao T**, Shao H. Post-discharge Care (PDC) may Mitigate the Cognitive Impairment (CI)-related Risk of Hospital Readmission for Ketoacidosis (DKA) and Severe Hypoglycemia (DRH) in People with Diabetes. Presented at the American Diabetes Association 82nd Scientific Sessions. New Orleans, LA. June 3-7, 2022.
11. Melmed GY, Umashankar K, **Jiao T**, Fan T, Krivacic K, Kathe N, Basu S, Candela N. Uptake and Patterns of Influenza Vaccine Administration Among Patients With Inflammatory Bowel Disease: a Claims-Based Analysis. Presented at the Digestive Disease Week. San Diego, CA. May 21-24, 2022
12. Ndai A, Guo Y, **Jiao T**, Aroza R, Park H, Shao H, Vouri SM. Cost-Effectiveness of Tenofovir/Lamivudine/Efavirenz Versus Tenofovir/Lamivudine/Dolutegravir for Preventing Mother-to-Child Transmission of HIV in Nigeria. Presented at the International Society for Pharmacoeconomics and Outcomes Research 2022 Annual International Meeting. Washington D.C., USA. May 15-18, 2022.
13. Alshehri A, Alkhuzam K, Niu S, Park H, **Jiao T**, Zhang Y, Shao H. Cost-Effectiveness Analysis of Empagliflozin versus Albiglutide among Individuals with Type 2 Diabetes in the US. Presented at the International Society for Pharmacoeconomics and Outcomes Research 2022 Annual International Meeting. Washington D.C., USA. May 15-18, 2022.
14. Abuloha S, Zhang P, Ospina NS, **Jiao T**, Guo J, Shao H. A Scoping Review on Diabetes Management in People with Mild Cognitive Impairment (MCI): Glycemic Control, Medications, and Onset of Alzheimer's and Related Dementias (ADRD). Presented at the International Society for Pharmacoeconomics and Outcomes Research 2022 Annual International Meeting. Washington D.C., USA. May 15-18, 2022.
15. Aroza RF, Ndai AM, Alkhuzam KA, **Jiao T**, Shao H. Cost-Effectiveness Analysis of Hemodialysis Vs. Peritoneal Dialysis among Patients with End-Stage Renal Disease. Presented at the International Society for Pharmacoeconomics and Outcomes Research 2022 Annual International Meeting. Washington D.C., USA. May 15-18, 2022.
16. Morris E, Wang H, **Jiao T**, Vouri SM. Quantifying Incidence and Risk of Excessive Loop Diuretic Use relative to Dihydropyridine Calcium Channel Blocker Dose: a Prescribing Cascade Evaluation. Presented at the 2022 Annual Scientific Meeting of the American Geriatrics Society. Orlando, Fl. May 12-14, 2022.
17. ****Jiao T**, Douros A, Platt RW, Filion KB. Target blood pressure levels and the risk of major adverse cardiovascular events among patients with hypertension at low cardiovascular disease risk. Presented at the International Conference on Pharmacoepidemiology & Therapeutic Risk Management All Access (Virtual Event) Aug 23-25, 2021
18. ****Jiao T**, Platt RW, Douros A, Filion KB. Prescription Patterns for the Use of Antihypertensive Drugs for Primary Prevention among Patients with Hypertension in the United Kingdom. Presented at the International Conference on Pharmacoepidemiology & Therapeutic Risk Management All Access (Virtual Event) Sep 16-17, 2020
19. ***Jiao T**, Zhang Y, Liou TG, Stevens V, Young DC, Brixner DI. The optimal treatment regime to delay the onset of mucoid *Pseudomonas aeruginosa* pulmonary infection on pediatric Cystic

Fibrosis patients. Presented at the International Society for Pharmacoeconomics and Outcomes Research 22nd Annual International Meeting. Boston, MA. May 20-24, 2017.

20. Nyman H, **Jiao T**, Raphael K, Low C, Greene T, Witt D, LaFleur J. Agreement between CKD-EPI and Cockcroft-gault equations for determining drug doses in a hospitalized population. Presented at the American Association of Colleges of Pharmacy Annual Meeting 2016. Anaheim, CA. July 23-27, 2016.
21. ****Jiao T**, Biskupiak J, Ye X, Unni S, Dowd C, Fink A, Feng I, Erdo J, Brixner D. Development of a linked database for Cystic Fibrosis research by integrating a patient registry with administrative claims data. Presented at the International Society for Pharmacoeconomics and Outcomes Research 21th Annual International Meeting. Washington, DC. May 21-25, 2016. Value in Health 2016; Vol 19(3): A81.
22. Biskupiak J, Unni S, **Jiao T**, Ye X, Dowd C, Fink A, Feng I, Erdo J, Brixner D. Evaluation of a linked database for Cystic Fibrosis research on clinical, demographic and resource use variables. Presented at the American Managed Care & Specialty Pharmacy Annual Meeting 2016. San Francisco, CA. Apr 19-22, 2016.
23. Cheng Y, **Jiao T**, Willson TM, Reese T, Stoddard GJ, LaFleur J. Bisphosphonates for fracture prevention in males-a systematic review and meta-analysis. Presented at the International Society for Pharmacoeconomics and Outcomes Research 20th Annual International Meeting. Philadelphia, PA. May 16-20, 2015. Value in Health 2015; Vol 18(3): A154.
24. ****Nyman HA, Jiao T**, Raphael K, Low C, Witt D, LaFleur J. Agreement between kidney function estimates for drug dosing in a hospitalized veteran population. Presented at the National Kidney Foundation 2015 spring clinical meetings. Dallas, TX. Mar 25-29, 2015.
25. Wright HZ, Lee SC, Wright S, **Jiao T**. Outreach in Armenia: chronic disease awareness, prevention and management. Annals of Global Health. Feb 2015; 81(1):103-104.
26. Wright HZ, Woods S, Irvine W, Hovhannisyan M, **Jiao T**. Know your diabetes! Assessing knowledge of type II diabetes complications and prevention in Armenia. Annals of Global Health. Feb 2015; 81(1):123.
27. Wright HZ, Leishman E, Chapman D, Hovhannisyan M, **Jiao T**. Identifying disparity to improve outcomes: diabetes-related knowledge assessment among primary health care providers in Armenia. Annals of Global Health. Feb 2015; 81(1):179.
28. Pocoski J, Lin PL, Hong W, Kelkar SS, **Jiao T**, Du EX, Humphries TJ, Xie J. Associations between joint damage and quality of life among patients with severe Hemophilia A in the 3-year SPINART trial. Presented at the 56th American Society of Hematology Annual Meeting and Exposition. San Francisco. Dec 6-9, 2014. Blood 2014; Vol 124(21):200.
29. ****Jiao T**, Stenehjem D, Brixner D. Cost effectiveness analysis of antidepressants on breast cancer patients: a Markov modeling study. Presented at the International Society for Pharmacoeconomics and Outcomes Research 6th Asia Pacific Conference. Beijing, China. Sep 6-9, 2014. Value in health 2014; Vol 17(7): A735.

30. Wright HZ, Warner ZC, Johnston W, Hovhannisyan M, **Jiao T**. Diabetes in Armenia: assessing population knowledge and awareness of type II diabetes. *Annals of Global Health*. Jun 2014; 80(3):243.
31. ****Jiao T**, Brixner D. Cost-effectiveness analysis of the threshold for initial hypertension treatment- a Markov study evaluating JNC8 guidelines. Presented at the International Society for Pharmacoeconomics and Outcomes Research 19th Annual International Meeting. Montreal, Canada. May 31-June 4, 2014. *Value in health* 2014; Vol 17(3): A117
32. Willson TM, Cheng Y, **Jiao T**, Stoddard GJ, LaFleur J. Bisphosphonates for fracture prevention in males: a systematic review and meta-analysis. Presented at the 9th Annual Utah health services research conference. Salt lake city, UT. Apr 30, 2014.
33. Stenehjem D, **Jiao T**, Brixner DI. Economic analysis of alternative genetic tests for BRCA1 and BRCA2 mutations. Presented at the 31st Miami breast cancer conference. Miami, FL. Mar 2014.
34. Stenehjem D, **Jiao T**, Rhien T, Bellows BK, Kaldate RR, Jones J, Brixner DI. Literature review and assessment to populate a decision-analytic model evaluating a novel prognostic in early lung cancer. Presented at the International Society for Pharmacoeconomics and Outcomes Research 16th Annual European Congress. Dublin, Ireland. Nov 2013. *Value in Health* 2013; Vol 16(7): A589-590.
35. **Jiao T**, Liou TG, Young D, Brixner DI. A comparison of demographic and clinical variables of Down syndrome patients in Utah and the United States. Presented at the International Society for Pharmacoeconomics and Outcomes Research 16th Annual European Congress. Dublin, Ireland. Nov 2013. *Value in Health* 2013; Vol 16(7): A589-590.
36. ****Jiao T**, Goodman M, Brixner DI. Are Utah and United States Down syndrome patients different? Western Pharmacoeconomics Conference. Tucson, AZ. Mar 2013.
37. Lin J, **Jiao T**, Biskupiak JE, McAdam-Marx C. Application of electronic medical record data for health outcomes research: a review of recent literature. Presented at the 8th Annual Utah health services research conference. Salt lake city, UT. Feb 25, 2013.
38. Bellows BK, Dahal A, **Jiao T**, Biskupiak JE. A cost-utility analysis of pregabalin vs. duloxetine in painful diabetic neuropathy. Presented at the International Society for Pharmacoeconomics and Outcomes Research 17th Annual International Meeting. Washington, D.C. Jun 2012. *Value in Health* 2012; Vol 15(4): A181.

Invited Lectures & Seminars

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| 2023 | Real-world data analysis for breakthrough bleeding across progestins.
– Invited Workshop on Streamlining Development of Contraceptive Products with Exposure Bracketing, Bill and Melinda Gates Foundation, Washington D.C. |
| 2023 | High dimensional propensity score: an advanced approach to reduce confounding.
– Invited Workshop on Real-world Effectiveness of Structured Lifestyle Interventions in Preventing Type 2 Diabetes, School of Medicine, UCLA, Los Angeles, CA |

- 2021 The Optimal Target Blood Pressure for Patients with Hypertension: an Application of Dynamic Treatment Regime
– Invited Seminar, College of Pharmacy, University of Florida, Gainesville, FL
- 2021 The Optimal Target Blood Pressure for Patients with Hypertension: an Application of Dynamic Treatment Regime
–McGill Pharmacoepidemiology Working Group, Montreal, QC, Canada
- 2019 An Application of Dynamic Treatment Regime: The Optimal Treatment Regime to Delay the Onset of Muroid *Pseudomonas aeruginosa* Pulmonary Infection on Pediatric Cystic Fibrosis Patients
–McGill Pharmacoepidemiology Working Group, Montreal, QC, Canada
- 2019 Getting the Best Out of Your Supervisor
–Skills Development Office, McGill University, Montreal, QC, Canada
- 2018 The Optimal Treatment Regime to Delay the Onset of Muroid *Pseudomonas aeruginosa* Pulmonary Infection on Pediatric CF Patients: An Application of Dynamic Treatment Regime
–Seminar series, Department of Clinical Epidemiology, Jewish General Hospital, Montreal, QC, Canada
- 2017 The Optimal Treatment Regime to Delay the Onset of Muroid *Pseudomonas aeruginosa* Pulmonary Infection on Pediatric CF Patients: An Application of Dynamic Treatment Regime
–Seminar series, Department of Pathology, School of Medicine, University of Utah, Salt Lake City, UT
–Invited talk, Department of Orthopedics, School of Medicine, University of Utah, Salt Lake City, UT
–Invited talk, Vaccine and Infectious Disease Division, Fred Hutchinson Cancer Research Center, Seattle, WA
- 2016 Dynamic Treatment Regime: Introduction and Investigation Using Dynamic Marginal Structural Model
–Causal inference research group, School of Medicine, University of Utah, Salt lake city, UT
- 2016 Introduction on Dynamic Treatment Regimes
–Seminar series, College of Pharmacy, University of Utah, Salt Lake City, UT
- 2014 Pros and Cons, A Comparison of Varied Propensity Score Methods
–Causal inference research group, School of Medicine, University of Utah, Salt Lake City, UT
- 2014 Health Utility Values in Hemophilia: Do bleeds matter? Predicting the EQ-5D Utility Values from Demographic Variables and Clinical Outcome Measures in Patients with Hemophilia A.
–Final presentation of summer internship, Bayer Healthcare, Whippany, NJ

Professional Experience

<i>Assistant Professor</i> UNIVERSITY OF FLORIDA, GAINESVILLE, FL	2022-Current
<i>Post-doctoral fellowship</i> MCGILL UNIVERSITY, MONTREAL, QC	2020-2021
<i>Epidemiologic and Statistical Consultant</i> SCHOOL OF MEDICINE, UNIVERSITY OF UTAH, SALT LAKE CITY, UT	2017-2020
<i>Graduate Research Assistant</i> COLLEGE OF PHARMACY, UNIVERSITY OF UTAH, SALT LAKE CITY, UT	2011-2017
<i>Research Assistant</i>	2013-2017