

# Shahariar Mohammed Fahim

## B. Pharm, Ph.D. Student.

### Address:

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### EDUCATION

- Spring 2017 - present Auburn University, Auburn, Alabama.  
(exp. Fall 2020) Doctor of Philosophy student, major in health outcomes research and policy  
Cumulative GPA: 3.75  
Ph.D. Advisor: Dr. Richard Hansen.
- Mar 2010 - Dec 2014 Khulna University, Khulna, Bangladesh.  
Bachelor of Pharmacy with a concentration on Pharmaceutical Science.  
Cumulative GPA: 3.45

### PROFESSIONAL LICENSURE

- 2015 - Present Registered Pharmacist in Bangladesh.

### PROFESSIONAL MEMBERSHIP

- 2018 - Present International Society for Pharmacoepidemiology (ISPE).  
2018 - Present Professional Society for Health Economics and Outcomes (ISPOR).  
2018 - 2019 AcademyHealth.  
2017 - 2018 American Pharmacists Association (APhA).

### EMPLOYMENT

- Jan 2020 - Present Department of Health Outcomes Research and Policy, Auburn University.  
Research Assistant to Dr. Brent Fox and Dr. Jingjing Qian.
- Dec 2019 Department of Health Outcomes Research and Policy, Auburn University.  
Research Assistant to Dr. Jan Kavookjian.
- Jan 2019 - Nov 2019 Department of Health Outcomes Research and Policy, Auburn University.  
Research Assistant to Dr. Richard Hansen.
- May 2017 - Dec 2018 Department of Health Outcomes Research and Policy, Auburn University.  
Research Assistant to Drs. C. Edward Chou and Surachat Ngorsuraches.  
Teaching Assistant for PharmD P1 curriculum.
- Jan 2017 - May 2017 Department of Health Outcomes Research and Policy, Auburn University.  
Teaching Assistant to Drs. Fox, Westrick, Garza & Kavookjian.
- May 2016 - Nov 2016 Brand Executive, Pharmacil Limited, a Sister concern of Radiant Pharmaceuticals  
and Roche Bangladesh Ltd.

## RESEARCH EXPERIENCE

- Jan 2020 - Present      Research Assistant (PI: Dr. Fox). Opioid Project.  
*Funding source:* N/A.  
*Role:* Analyze the data using Structural Equation Modeling (CFA & Path Analysis).
- Research Assistant (PI: Dr. Westrick). Evaluation of Pharmacists-led Transition of Care Program: A Mixed-Method Study.  
*Funding source:* N/A.  
*Role:* Analyze the hospital readmission and ED visit data.
- Jun 2019 - Nov 2019      Research Assistant (PIs: Drs. Hansen & Lindsey). Drug Effectiveness Review Project (DERP). Immunoglobulins: Clinical Evidence for Off Label Use.  
*Funding source:* Center for Evidence-based Policy.  
*Role:* Discussed in detail later on the DERP section.
- Jan 2019 - May 2019      Research Assistant (PIs: Drs. Hansen & Lindsey). Drug Effectiveness Review Project (DERP). Drugs for Breast Cancer and Chronic Myeloid Leukemia: Evidence and Guidelines.  
*Funding source:* Center for Evidence-based Policy.  
*Role:* Discussed in detail later on the DERP section.
- May 2017 - Sep 2018      Research Assistant (PI: Dr. Chou). “An Examination of Factors Affecting Diagnosis and prognosis of Cancer Patients with Comorbid Conditions”  
*Funding source:* Auburn University Research in Cancer (AURIC)  
*Role:* Developed a research protocol, analyzed the SEER-Medicare data using multivariable and survival analyses, and prepared two manuscripts (under review).
- Apr 2017 - Aug 2018      Research Assistant (co-PI: Dr. Hansen/Dr. Qian) “Identify possible safety issues associated with selected combinations of anticancer drugs and botanical dietary supplements.”  
*Funding source:* Auburn University Research in Cancer (AURIC)  
*Role:* Analyzed the FAERS dataset to examine the adverse events (AEs) reporting patterns of BDSs use with CYP3A4 substrates and non-interactive anticancer drugs using disproportionality analyses. Results are published.
- Jun 2017 - Dec 2018      Research Assistant (PI: Dr. Qian). “Effects of Health Disparity Factors on Quality of Care among Medicare beneficiaries reside in the United States.”  
*No Funding available*  
*Role:* Developed a research protocol, conducting data analyses such as descriptive analyses, multivariable and GEE modeling.

## TEACHING EXPERIENCE

- Spring 2017                      Pharmacy Practice Development, Management and Evaluation II [PharmD] Led the class activities and prepared course materials.
- Fall 2018                              Integrated Learning Experience [PharmD]  
Longitudinal Learning Experience [PharmD]

## DRUG EFFECTIVENESS REVIEW PROJECT (DERP)

*The DERP is a trailblazing collaborative of state Medicaid and public pharmacy programs dedicated to producing evidence-based research products that assist policymakers and other decision-makers grappling with difficult drug coverage decisions. It is the flagship project of the **Center for Evidence-based Policy (Center)**. Today, the collaborative has expanded to include 15 states and is recognized for its clinical objectivity and high-quality research. **According to the work contract, DERP materials were not allowed to be published.***

Jun 2019 - Nov 2019 Lindsey W, Fahim S, Quin J, Grabowski A. Immunoglobulins: clinical evidence for off-label use. Portland, OR: Center for Evidence-Based Policy, Oregon Health & Science University; 2019.

**Funding source:** Center for Evidence-based Policy.

**Role:** Read and reviewed identified clinical trials for inclusion in the review based on sponsor criteria. Evaluated clinical trials based on the grading form provided by the sponsor. Abstracted relevant clinical information from the clinical trials to assist with narrative as well as primary development of data tables for completed as well as ongoing clinical trials for the review. Developed, drafted, revised, and finalized written reports for the sponsor, assisted with powerpoint presentation teleconference by reviewing slides, and providing information as needed on the presentation call.

Jan 2019 - May 2019 Lindsey W, Fahim S, Shaw B, Hansen R, Olin B, Qian J. Drugs for breast cancer and chronic myeloid leukemia: evidence and guidelines. Portland, OR: Center for Evidence-based Policy, Oregon Health & Science University; 2019.

**Funding source:** Center for Evidence-based Policy.

**Role:** Same as the above DERP review work.

## ORIGINAL ARTICLES (Published)

1. Fahim SM, Mishuk AU, Ning C, Qian J, Calderon A, Hansen RA. Adverse Event Reporting Patterns of Concurrent Botanical Dietary Supplements with CYP3A4 Substrate & CYP3A4 Non-interactive Anticancer Drugs in the U.S. Food and Drug Administration Adverse Event Reporting System (FAERS). Expert Opinion on Drug Safety. DOI: 10.1080/14740338.2019.1562546.
2. SM Abdullah, HM Shafayat, SM Saifuzzaman, SM Fahim, HM Golam. Genetic polymorphisms of CYP3A4\*1B of cervical cancer patients in Bangladeshi population, Bangladesh" published by International Journal of Advances in Medicine. Int J Adv Med .2016; 3(3): 455-459. doi:http://dx.doi.org/10.18203/2349-3933.ijam20161463.

## RESEARCH BRIEF/ COMMENTARY (Published)

1. Fahim SM, Ngorsuraches S. Did Citizen Petitions Prolong the Number of Approval Days of Generic Drugs? *Res Social Admin Pharm*. 2019 Dec 23. pii: S1551-7411(19)30108-1. doi: 10.1016/j.sapharm.2019.12.015. [Epub ahead of print]

## ORIGINAL ARTICLES (Under Review)

1. Li Chao, Fahim SM, Westrick SC, Qian J. High Volume and High Dollar Prescribers in Medicare Part D - Who Are They and What Do They Prescribe? (*Medical Care Research and Review*).

## ORIGINAL ARTICLES (In-preparation)

1. **Fahim SM**, Huo N, Li C, Qian J. *Variations in Screening Mammography Utilization by Age and Geographic Region Among Female Medicare Beneficiaries and Beneficiaries with Breast Cancer in 2002-2012.*
2. **Fahim SM**, McDaniel C.C., Qian J, Lin F, Hsu C, Chou C.E. *Impact of Antidiabetic Medication Use on Breast Cancer Diagnostic Characteristics.*
3. **Fahim SM**, McDaniel C.C., Qian J, Lin F, Hsu C, Chou C.E. *Associations between Antidiabetic Medications Use and Breast Cancer Survival Outcomes among Medicare Beneficiaries.*
4. **Fahim SM**, Qian J, Garza KB, Hansen RA. *Patient-Related Factors Associated with Adverse Events Induced by Atypical Antipsychotics among Children and Adolescents.*

## ORAL PRESENTATIONS (PEER-REVIEWED)

1. **Fahim SM**, Huo N, Li C, Qian J. *Variations in Screening Mammography Utilization by Age and Geographic Region Among Female Medicare Beneficiaries and Beneficiaries with Breast Cancer in 2002-2012. Southern Pharmacy Administration Conference, June 7-9, 2018 in Auburn, Alabama.*
2. **Fahim SM**, Qian J, Chou C.E. *Impact of Antidiabetic Medication Use on Breast Cancer Diagnostic Characteristics. Auburn University Research Initiative in Cancer (AURIC) Annual Research Meeting, August 24-25, 2018 in Auburn, Alabama.*

## POSTER PRESENTATIONS (PEER-REVIEWED)

1. **Fahim SM**, McDaniel C.C., Qian J, Lin F, Hsu C, Chou C.E. *Associations between Antidiabetic Medications Use and Breast Cancer Survival Outcomes among Medicare Beneficiaries. Accepted for Poster presentation at the ISPE Mid-Year Meeting 2020, April 18-21, 2020, Orlando, FL, USA.*
2. **Fahim SM**, Hsu C, Qian J, Chou C.E. *Impact of Antidiabetic Medication Use on Breast Cancer Diagnostic Characteristics. 35th International Conference on Pharmacoepidemiology & Therapeutic Risk Management, August 24-28, 2019, Philadelphia, NJ, USA.*
3. **Fahim SM**, Ngorsuraches S. *Did Citizen Petitions Prolong the Number of Approval Days of Generic Drugs? ISPOR 2019 Annual Meeting, May 18-22, 2019, New Orleans, LA.*
4. **Fahim SM**, Huo N, Li C, Qian J. *Variations in Screening Mammography Utilization by Age and Geographic Region Among Female Medicare Beneficiaries and Beneficiaries with Breast Cancer in 2002-2012. AcademyHealth Annual Research Meeting, June 23-27, 2018 in Seattle, Washington.*
5. **Fahim SM**, Huo N, Li C, Qian J. *Variations in Screening Mammography Utilization by Age and Geographic Region Among Female Medicare Beneficiaries and Beneficiaries with Breast Cancer in 2002-2012. Auburn University Student's Research Symposium, Mar 26, 2018 in Auburn, Alabama.*
6. **Fahim SM**, Mishuk AU, Ning C, Qian J, Calderon A, Hansen RA. *Adverse Event Reporting Patterns of Concurrent Botanical Dietary Supplements with CYP3A4 Substrate & Non-interactive Anticancer Drugs in the U.S. Food and Drug Administration Adverse Event Reporting System (FAERS). American Pharmacists Association's (APhA) Annual Meeting, March 16-19, 2018 in Nashville, Tennessee.*

## **SCHOLARSHIPS AND AWARDS**

May 2019	Outstanding Graduate Teaching Assistant, Harrison School of Pharmacy, AU.
May 2019	2019 ISPE Annual Meeting Scholarship.
Apr 2019	Graduate Student Council Travel Award, AU.
Nov 2018	Dean Travel grants from Harrison School of Pharmacy, AU.
Mar 2018	Best poster award among School of Pharmacy students in Auburn University Research Symposium.
Dec 2017	Dean Travel grants from Harrison School of Pharmacy, AU.
Mar 2018	Best poster award among School of Pharmacy students in Auburn University (AU) Research Symposium.
Nov 2012	Merit Scholarships in Term Finals at Khulna University, Bangladesh.
Nov 2011	Merit Scholarships in Term Finals at Khulna University, Bangladesh.
Sep 2009	Merit Scholarship in Khulna University Admission Exam, Khulna University.
May 2008	Govt. Scholarships in Higher Secondary Certificate Exam, Chittagong Board, Bangladesh.
Mar 2006	Govt. Scholarships in Secondary Certificate Exam, Chittagong Board, Bangladesh.

## **Organizational Affiliations**

Jan 2020 - Present	Representative, Graduate Programs Committee, Harrison School of Pharmacy.
Aug 2019 - Present	President, ISPOR Student Chapter at Auburn University.
Aug 2019 - Present	Senate, Graduate Student Council, Auburn University.
Aug 2019 - Present	Member, Events Committee, Graduate Student Council, Auburn University.

## **PROFESSIONAL SKILLS**

SAS, R, EndNote, MS office.