Alexis A. Farmer  
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EDUCATION

June 2022 – June 2023  
University of Texas at Houston Medical School  
• Internal Medicine Internship

July 2018 – May 2022  
University of Texas at Houston Medical School  
• Doctor of Medicine

August 2014 – May 2017  
Sam Houston State University, Huntsville, TX  
• Bachelor of Science, Biomedical Sciences, summa cum laude

• Elliot T. Bower’s Honors College

August 2013 – May 2014  
University of Alabama, Tuscaloosa, AL

• President’s List, UA Honors College

PROFESSIONAL EXPERIENCE

June 2022 – July 2023  
University of Texas at Houston Medical School  
Internal Medicine Internship

• Rotations included hospitalist, emergency medicine, intensive care, internal medicine sub-specialties, and outpatient medicine. Exposure to patients at a tertiary referral, level I trauma center, a county hospital, a world-renowned cancer hospital, and the VA hospital.   
**• Palliative care and oncology rotations at both Memorial Hermann Hospital and Lyndon B. Johnson hospital. Recommendation letters provided as needed.**

May 2019 – June 2019  
University of Texas at Houston Medical School  
General Internal Medicine Statewide Preceptorship Program  
• Rotated on internal medicine outpatient clinic to gain fundamental experience in clinical skills

July 2017 – July 2018  
Scribe America  
Scribe  
• Note writing, chart review, and pending orders for a high-volume general pediatrics physician

MEDICAL EDUCATION EXPERIENCE

Medical Education Scholarly Concentration

* January 2019 – May 2022
* Exposure to medical school curriculum development and implantation; individual scholarly project construction and enactment

Model Program to Mitigate High Stress Environments

* In collaboration with John Riggs MD, MS, Vineeth John MD, MBA, and Christine Ford Ed.D.
* Developing a program that addresses task mastery, role clarification, acculturation, and social integration in high stress learning environments – especially surgery and OB/GYN

Transition to Clerkship Workshop

* March 2021
* Individual Scholarly Project: Developed and presented a workshop providing tips for clinical rotations to upcoming MS3 class during their transition to clerkship
* Completing a manuscript detailing the positive impact of the workshop on students’ psychological safety and situational awareness in preparation for high stress learning environments

Co-Author, Survival Guide: “Third Year Overview”

* July – October 2021
* Printed and disseminated curriculum from individual scholarly project workshop for future third year classes use during their transition to clerkships

TEACHING EXPERIENCE/ LEADERSHIP POSITIONS

August 2019 – May 2020, August 2021 – May 2022  
University of Texas at Houston Medical School  
McGovern Society Leader   
• Lead and mentor a small group of first year medical students throughout their transition into medical school

May 2019 – August 2019   
University of Texas at Houston Medical School  
43rd Annual Henry Strobel Retreat Registration Leader   
• Responsible for collecting and organizing registration information from faculty, first, and second year medical students. Organized and maintained a database of all participant and volunteer assignments, as well as disseminating the assignments to each person. A friendly face at check in for over 350 students and staff.

August 2015 – May 2017  
Sam Houston State University  
Laboratory Assistant to Dr. Madhusudan Choudhary, PhD  
• Worked on several research projects including bioremediation in Rhodobacter sphaeroides, CRISPR/Cas9 and genetic and evolutionary analyses of Aurora kinase genes

August 2016 – May 2017  
Sam Houston State University  
Teaching Assistant for Genetics   
• Lab preparation, experiment design, and grading for junior-level genetics laboratory as well as assisting with and giving lecture

RESEARCH EXPERIENCE

October 2022 – March 2023

Abstract, Poster Presentation: Quality Improvement Research Project on Increasing Vaccinations in Cancer Patients

• Kok Ho Chan, Ji Lin, Alexis Farmer, Nitish Mittal, Victoria Chu, Julie Rowe, MD (2023)

October 2019 – May 2021  
McGovern Medical School, Dr. Julie Rowe

Abstract: Quality Improvement Research Project on Reducing Unplanned ED Admissions for Cancer-Related Symptoms   
• Breanna Alonzo, Alexis Farmer, Micah Ostrowski, Julie Rowe, MD (2020)

May 2016 – August 2016  
Sam Houston State University  
EURECA Grant for Faculty and Student Team (FAST) Research  
• Rewarded a summer research grant for work on “A Clean Purple Sweep: Gold Bioremediation Using Rhodobacter sphaeroides”

PUBLICATIONS:

December 28, 2017  
Sam Houston State University  
Seeling JM, Farmer AA, Mansfield A, Cho H, Choudhary M. Differential Selective Pressures Experienced by the Aurora Kinase Gene Family. International Journal of Molecular Sciences. 2018; 19(1):72. https://doi.org/10.3390/ijms19010072  
• Examined the evolution of the AK gene family as potential therapeutic targets for future chemotherapy agents

POSTER PRESENTATIONS:

Sam Houston State University  
Poster Presentation at Elliot T. Bower’s Undergraduate Research Symposium   
• Adam Mansfield, Alexis Farmer, Hyuk Cho and Madhusudan Choudhary (2016) Evolution of Aurora Kinase Gene Family in Eukaryotes. Presented at the 9th Annual Undergraduate Research Symposium (April 23, 2016)

Sam Houston State University  
Poster Presentation at Texas Genetics Society Meeting, MD Anderson   
• Alexis Farmer, Adam Mansfield, Hyuk Cho, and M. Choudhary (2016) Evolution of Aurora Kinase Gene Family in Eukaryotes. Presented at the Texas Genetic Society Annual meeting at MD Anderson Cancer Center, Houston (April 28-29, 2016)

Sam Houston State University  
Poster Presentation at American Society for Microbiology – Texas Branch   
• Alexis Farmer, Adam Mansfield, Zechariah Carroll, Madhusudan Choudhary, and Hyuk Cho (2016) Evolution of Aurora kinase gene family. Presented at the Texas Branch-ASM Fall meeting at University of Texas-Dallas (November 10-12, 2016)

Sam Houston State University  
Poster Presentation at Elliot T. Bower’s Undergraduate Research Symposium  
• Alexis Farmer, Hannah Johnson, Caroline Obkirchner and Madhusudan Choudhary (2017) Heavy Metal Bioremediation Using Rhodobacter sphaeroides. Presented at the 10th Annual Undergraduate Research Symposium (April 29, 2017)