

SULIHAT MUDASIRU

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Education

Texas A & M University | Commerce, TX
Master of Science in Chemistry

August 2015 – Present

Tarrant County College | Fort Worth, TX
Post baccalaureate Pre-medicine

August 2014 – May 2015

Knox College | Galesburg, IL
Bachelor of Arts in Biology and French

January 2014

Université de Franche-Comté, France
Study Abroad Program

Fall 2011

Awards:

- 2nd Place Poster Presentation – 13th Annual Pathways Research Symposium (2016)
- Jai & Susan Nagarkatti Scholarship Recipient (2016)
- Awarded National Science Foundation research grant (2015)
- Phi Theta Kappa Honor Society (2015)
- Award of Excellence in Chemistry (2015)
- Deans' List Recognition (2014/2015)
- Knox Meulder Scholarship Recipient (2009 - 2013)

Research Experience

Graduate Research Assistant- Texas A&M University- Commerce Chemistry Department

Fall 2015 & Summer 2016

- Synthesized host-guest complexes to study their chiral recognition properties
- Analyzed chiral complexes using CD- spectroscopy, UV-VIS titrations, NMR and Mass spectrometry
- Utilized computational chemistry to build Chiral Porphyrins and ran molecular modeling calculations on Spartan
- Mentored community college students participating in the REU program
- Supervised two undergraduates in completing their honors thesis

Research Intern, Texas A&M University- Commerce REU Program

Summer 2015

Project: Enantioselective Recognition of Chiral Porphyrins Diamino-1,1'-binaphthalene Hybrids

- Synthesized host-guest molecules to study their chiral recognition properties

Laboratory Skills

UV-Vis, IR, CD and NMR Spectroscopy, Mass Spectrometry, GC-MS, HPLC, TLC, Synthesis: Separation and Purification, Molecular Modeling: Spartan

Work Experience

Graduate Teaching Assistant- Texas A&M University- Commerce Chemistry Department

January 2016 - Present

- Oversaw General Chemistry, Organic and Biochemistry labs and assisted in multistep synthesis designed to teach general lab techniques
- Explained difficult lab procedures to the students improving their overall performance
- Coached students individually during office hours on post lab questions

Hospitalist Medical Scribe- Paris Regional Medical Center | Paris, TX

November 2015- October 2016

- Documented history and physical, progress notes and discharge summaries increasing patient-physician interaction and thus, patient satisfaction

Emergency Medical Scribe - John Peter Smith Hospital | Fort Worth, TX

December 2014 – August 2015

- Shadowed ER physician and gained firsthand experience in the basics of ordering diagnostics tests and interpreting the results to make a diagnosis
- Compiled history of present illness, filled out the review of system and physical examination in chart, increasing physician efficiency and thus, patient satisfaction
- Provided focused attention to the chart and ensured that medical history is accurate and updated
- Worked under pressure in a fast paced emergency room and improved the overall flow in the Emergency Department

AmeriCorps VISTA- Intercultural Outreach Specialist | Galesburg, IL

July 2013 - 2014

- Conducted needs assessment survey and created a centralized source of bilingual information through research, writing, and distributing of community resource guide to local residents.

- Organized and led meetings for Intercultural groups in the community
- Piloted the bilingual Weekend Conversation Group, trained and recruited volunteers, and expanded number of participants in the program
- Spearheaded positive thinking workshops for literacy students
- Co-wrote grants and reports for the Literacy Coalition.
- Supervised the Summer Reading Program that oversaw forty children and forty teen mentors.

Knox College- French Department Teaching Assistant | Galesburg, IL

Fall 2012

- Planned and taught lessons to students
- Facilitated a success rate of 89% in the improvement of students' grades by using well thought out and effective methods of tutoring and mentoring outside class hours.
- Assisted the professor with grading and performance appraisal
- Proctored tests and examinations

Knox College- IT Department - Computer Lab Assistant | Galesburg, IL

August 2010 - June 2011

- Performed multifaceted role as a supervisor overseeing over 3 computer labs whose environment consisted of over 50 Windows Vista/XP/7 and Macintosh OS computers.
- Served as an adviser in the computer labs, guiding students with technical difficulties on a one-on-one basis

Presentations:

“Synthesis of Chiral Porphyrins Diamino-1,1-Binaphthalene Hybrids.” S.Mudasiru. Federation of North Texas Area Universities Graduate Student Research Symposium, Texas Woman’s University, Denton, TX. April 2016.

“Enantioselective recognition of Chiral Porphyrins Diamino1, 1 Binaphthalene hybrids.” S.Mudasiru. Emerging Researchers National Conference, Washington, DC. March 2017.

Activities and Leadership

Member, American Chemical Society TAMUC	August 2015 – Present
Vice President, Student Healthcare and Outreach Society TAMUC	August 2015 - May 2016
Secretary, Pre-med Club Tarrant County College	August 2014 – May 2015
Secretary, Blessings in a backpack Knox College	Spring 2011
Member, Alpha Phi Omega National Service Fraternity	January 2012 - June 2013
Public Relation Officer, Harambee Club Knox College	September 2011-2012

Community Involvement

Volunteer, STEM Science day, Wolfe City Elementary School
 Adult English Tutor - Pro-Literacy Coalition, Carl Sandburg College
 Volunteer, United Way of Knox County
 Tax Aide Volunteer -AARP Tax Aide Foundation
 Mentor, Reading Buddies- Neilson Elementary School
 Youth volunteer, American Red Cross, Arlington, VA

Computer Proficiency: ChemDraw, Microsoft Office tools: Word, PowerPoint, and Excel

Languages: English, French, and Yoruba.

Certifications: American Red Cross Disaster Services Technology certification, VITA/TCE Certification with the IRS and Certified Literacy Tutor.