

Motomori O. Lewis

Curriculum Vitae

EDUCATION

B.S., Biomedical Sciences

B.S., Public Health (2015-2018)

University of South Florida, Tampa, FL

Areas of Interest: Epidemiology, Biostatistics

Ph.D. in Pharmaceutical Sciences (2018-Present)

University of Florida, Gainesville, FL

Concentration: Pharmaceutical Outcomes & Policy

WORK EXPERIENCE

Graduate Assistant (August 2018 – Present)

Department of Pharmaceutical Outcomes & Policy, College of Pharmacy, University of Florida, Gainesville, FL

- Collaborate with faculty to conduct health outcomes research
- Analyze patient data from national databases including Truven MarketScan and the Nationwide Readmissions Database

Student Assistant (September 2016 – May 2017)

Dean's Office, College of Pharmacy, University of South Florida, Tampa, FL

- Updated records, filed, completed purchasing card statements, and accounted for research expenses within the Office of Research and Business
- Prepared and packaged teaching and event materials
- Supported administrative staff within the Department of Pharmacotherapeutics and Clinical Research
- Reviewed and edited the most recent edition of the college magazine

Science First Year Student Engagement Peer Mentor (May 2016 – April 2017)

College of Arts and Sciences, University of South Florida, Tampa, FL

- Assisted incoming students in course planning and registering for classes
- Served as an informed resource about academic policies and student resources at USF
- Assisted advisors with planning and presenting programs for student success
- Developed a relationship with approximately 10 mentees per semester to provide retention support
- Advised mentees on time management, study skills, and graduate school preparedness

RESEARCH EXPERIENCE

Summer Undergraduate Research at Florida (May – August 2017)

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Department of Pharmaceutical Outcomes & Policy, College of Pharmacy, University of Florida, Gainesville, FL

- Conducted literature reviews for various research projects
- Organized and analyzed data through software applications, such as Excel and SAS
- Assisted with projects utilizing electronic health records to improve health outcomes at UF Shands Hospital
- Assisted faculty mentor by preparing manuscript drafts
- Participated in a GRE preparatory course and attended seminars to prepare students for graduate education
- Attended program workshops to actively learn about the scientific writing process, with a special focus on literature reviews, grant proposals, and manuscripts

Research Assistant (August – December 2017)

Department of Pharmaceutical Sciences, College of Pharmacy, University of South Florida, Tampa, FL

- Employed microbiology techniques to evaluate toxicity of nanomycin particles for inhibition of multidrug resistant bacteria
- Conducted lab experiments involving inoculating and identifying bacterial species, DNA extraction, minimum inhibitory concentration assays, biofilm culture, electrophoresis, PCR, live cell imaging, and nanodrug treatment
- Utilized technological aids such as EVOS fluorescence microscopy, ImageJ, and Celleste image analysis software to evaluate results

AWARDS AND HONORS

- Board of Education Summer Fellowship (May-August 2018). Promotes acclimation to University of Florida for underrepresented students through seminars, professional development and writing experiences.
- McKnight Doctoral Fellowship (2018). Provides funding for underrepresented students in STEM fields to pursue their doctoral degrees at supported Florida state institutions.
- USF College of Arts and Sciences Dean's List (Fall 2015, Spring 2016).
- USF Director's Award (2015). Merit-based scholarship for high achieving incoming freshmen.

PROFESSIONAL AFFILIATIONS

- Phi Eta Sigma National Honor Society, member since Spring 2016