



SCIENTIFIC RESEARCH EXPERIENCE

Laboratory of Malaria and Vector Research 2015 - present

National Institute of Allergy and Infectious Disease

- Study the emergence of drug-resistant malaria and mosquito vectors in Southeast Asia

Collins Lab 2013 - 2015

University of Notre Dame

- Tested a new insecticidal fence for controlling mosquitos and reducing malaria in the Solomon Islands
- Presented findings at the 2015 Meeting of the Michigan Mosquito Control Association

Environmental Research Center 2013

University of Notre Dame

- Designed independent project evaluating the effectiveness of Dytiscid beetle larvae for biocontrol of mosquitos
- Presented findings at the 2014 Meeting of the Michigan Mosquito Control Association

O'Tousa Lab 2013

University of Notre Dame

- Characterized the role of Op1 visual proteins in the host-seeking behavior of mosquitoes that transmit dengue and yellow fever

LEADERSHIP EXPERIENCE

Senior Leadership Committee 2015

University of Notre Dame

- Led programatic development for the future of the Biology Department

Undergraduate Teaching Assistant 2015

Biostatistics, University of Notre Dame

- Led laboratory section of the course utilizing R statistical software

Program Leader and Team Mentor 2015

Uplift Mentoring Program, University of Notre Dame

- Designed a biology major mentoring program to increase camaraderie and academic development
- Mentored a group of five students

STEM Ambassador 2013 - 2014

University of Notre Dame

- Mentored and tutored STEM majors with the goal of retaining students in STEM fields

Undergraduate Teaching Assistant 2013 - 2014

Organic Chemistry Labs, University of Notre Dame

- Led the organic chemistry 1 and 2 labs as a teaching assistant

EDUCATION

B.S., Biological Sciences

University of Notre Dame

2015, GPA: 3.7

HONORS & AWARDS

William J. Lechel, II

Memorial Scholarship

Michigan Mosquito Control Association

2015

Glynn Family Honors Program Undergraduate Research Grant

University of Notre Dame

2014

College of Science

Undergraduate Research Travel Grant

Annual Meeting of the American Society of Tropical Medicine and Hygiene

2014

Honorable Mention Award

Notre Dame Biology Summer Research Symposium

2014

Global Health Travel Grant to the Solomon Islands

Eck Institute for Global Health

2014

Biological Sciences Honors Program & Glynn Family Honors Program

University of Notre Dame

Accepted 2011