

Nicholas Deason

Postbac Researcher at NIH

nicholas.deason@gmail.com

ndeason.github.io

Education

2015 University of Notre Dame – BS in Biological Sciences

Research Experience

2015- NIH Postbaccalaureate Fellow – Laboratory of Malaria and Vector Research, National Institute of Allergy and Infectious Disease (Rockville, MD)

2013-2015 Undergraduate Researcher – Collins Lab, Eck Institute for Global Health, University of Notre Dame (Notre Dame, IN)

2013 Hank Family Research Fellow – University of Notre Dame Environmental Research Center (Land O' Lakes, WI)

2013 Undergraduate Researcher – O'Tousa Lab, Department of Biology, University of Notre Dame (Notre Dame, IN)

2010-2011 Research Intern – Environmental Management and Byproduct Utilization Laboratory, United States Department of Agriculture (Beltsville, MD)

Publications

2016 Echeverry DF, **Deason NA**, Davidson J, Makuru V, Xiao H, Niedbalski J, Kern M, Russell TL, Burkot TR, Collins FH, Lobo NF. Human malaria diagnosis using a single-step direct-PCR based on the Plasmodium cytochrome oxidase III gene. Malaria journal. 2016 Feb 29;15(1):1.

2015 Lobo NF, Laurent BS, Sikaala CH, Hamainza B, Chanda J, Chinula D, Krishnankutty SM, Mueller JD, **Deason NA**, Hoang QT, Boldt HL. Unexpected diversity of Anopheles species in Eastern Zambia: implications for evaluating vector behavior and interventions using molecular tools. Scientific reports. 2015;5.

Awards

2015 William J. Lechel, II Memorial Scholarship, Student Presentation Competition, Michigan Mosquito Control Association, \$1000

2014 Honorable Mention Poster Award, Notre Dame Biology Summer Research Symposium

2013 Accepted to the Honors Program in Biological Sciences, University of Notre Dame

2011 Accepted to Glynn Family Honors Program for students in the Colleges of Science and Arts & Letters, University of Notre Dame

2011 Named National Merit Scholar, National Merit Scholarship Corporation

Grants Received

- 2014 Glynn Family Honors Program Undergraduate Research Grant – “Prevalence of asymptomatic malaria and Glucose 6 Phosphate Dehydrogenase (G6PD) deficiency in Western Province, Solomon Islands,” Glynn Family Honors Program, University of Notre Dame, \$700
- 2014 Undergraduate Research Travel Grant – College of Science, University of Notre Dame, \$500
- 2014 Global Health Travel Grant – “Evaluation of the outdoor use of insecticide-impregnated barriers (IIB) as a malaria control intervention in the Solomon Islands,” Eck Institute for Global Health, \$5,440

Teaching Experience

- 2015-2016 Private Tutor – ACT, SAT, AP Biology, IB Biology, and Pre-Calculus, Alpha Educators, LLC (Beltsville, MD)
- 2015 Teaching Assistant – Biostatistics, University of Notre Dame (Notre Dame, IN)
- 2014-2015 Program Leader, Team Mentor – Uplift Mentoring Program, Department of Biological Sciences, University of Notre Dame (Notre Dame, IN)
- 2013-2014 STEM Ambassador and Tutor – Colleges of Science and Engineering, University of Notre Dame (Notre Dame, IN)
- 2013-2014 Teaching Assistant – Organic Chemistry Laboratory, University of Notre Dame (Notre Dame, IN)

Oral Presentations

- 2015 **Deason NA.** “Insecticide-impregnated barriers: a new intervention for malaria control in the Solomon Islands,” Annual Conference of the Michigan Mosquito Control Association, (Bellaire, MI)
- 2014 **Deason NA.** “Evaluation of *Acilius* larvae (Coleoptera: Dytiscidae) for biocontrol of mosquito larvae,” Annual Conference of the Michigan Mosquito Control Association, (Lansing, MI)

Poster Presentations

- 2015 **Deason NA.** “Bionomics of the malaria vector *Anopheles farauti* in Jack Harbour, Solomon Islands,” College of Science Joint Annual Meeting, University of Notre Dame (Notre Dame, IN)
- 2014 Echeverri-Garcia DF, **Deason NA**, Russell TL, Burkot TR, Collins FH, Cooper RD, Bugoro H, Reuben H, Bobogare A, Beebe NW, and Lobo NF. “Prevalence of asymptomatic malaria and glucose 6 phosphate dehydrogenase (G6PD) deficiency in Western Province, Solomon Islands,” 63rd Annual Meeting of the American Society of Tropical Medicine and Hygiene (New Orleans, LA)

- 2014 **Deason NA.** "A new intervention for malaria control in the Solomon Islands: insecticide-impregnated barriers," Regional Summer Undergraduate Research Symposium, University of Notre Dame (Notre Dame, IN)
- 2014 **Deason NA.** "Malaria Prevalence and Epidemiological Characteristics of Western Province, Solomon Islands," College of Science Joint Annual Meeting, University of Notre Dame (Notre Dame, IN)
- 2014 Echeverri-Garcia DF and **Deason NA.** "Prevalence of malaria and Glucose 6 Phosphate Dehydrogenase deficiency in the Western Province of Solomon Islands," 6th Annual Graduate Student Union and Office for Postdoctoral Scholars Research Symposium, University of Notre Dame (Notre Dame, IN)
- 2013 **Deason NA.** "Predaceous diving beetle larvae as a biocontrol for mosquito larvae," Fall Undergraduate Research Fair, University of Notre Dame (Notre Dame, IN)
- 2013 **Deason NA,** Brindley EC, Hayman KE, Hoang QT, and Yu J. "Effects of rhodopsin impairment on bloodfeeding in *Aedes aegypti*," College of Science Joint Annual Meeting, University of Notre Dame (Notre Dame, IN)
- 2011 **Deason NA,** Kanyuck K, Stone GN, and Dao TH. "Evaluation of x-ray fluorescence spectrometry as a phosphorus-sensing technology on corn," Annual USDA Poster Day, United States Department of Agriculture (Beltsville, MD)

Science Writing

- 2016 **Deason NA.** "The State of the Union in Infectious Diseases," Infective Perspective, <http://www.infectiveperspective.com/blog/the-state-of-the-union-in-infectious-diseases>
- 2016 **Deason NA.** "Infectious Diseases in America Before European Contact," Infective Perspective, <http://www.infectiveperspective.com/blog/-infectious-diseases-in-america-before-european-contact>

Science Outreach

- 2014 Designed and carried out biology outreach activities for Notre Dame College of Science outreach event at Indianapolis Children's Museum
- 2014 Helped lead biology outreach day with hands-on science activities at Notre Dame for children from the Robinson Community Learning Center

Additional Science Training

- 2015 Fundamentals for Precision Medicine: Medical Population Genetics and Genomics, Foundation for Advanced Education in the Sciences (Bethesda, MD)
- 2014 National Science Foundation Research Experience for Undergraduates Summer Program, Biology, University of Notre Dame (Notre Dame, IN)

- 2014 Science Policy Ethics: Guiding Science through the Regulation of Research and Funding. College of Science and the Center for Social Concerns, University of Notre Dame (Washington, D.C. and Notre Dame, IN)
- 2013 Practicum in Environmental Field Biology, University of Notre Dame Environmental Research Center (Land O' Lakes, WI)
- 2013 Special Studies in Cell and Molecular Biology, University of Notre Dame (Notre Dame, IN)
- 2011 Brown Environmental Leadership Laboratory, Brown University (Hawai'i Volcanoes National Park and Kawaihae, HI)

Professional Memberships

2014–2016 Michigan Mosquito Control Association