

## CURRICULUM VITAE

**NICHOLAS A. DEASON**

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### I. EDUCATION

2011–2015      BS      Major: Biological Sciences  
GPA: 3.72  
University of Notre Dame  
Notre Dame, Indiana USA

### II. RESEARCH EXPERIENCE

2015–Present      NIH Postbaccalaureate Trainee, Laboratory of Malaria and Vector Research, National Institute of Allergy and Infectious Disease, Rockville, Maryland.

2013–2015      Undergraduate Researcher, Collins Lab, University of Notre Dame

2013      Hank Family Research Fellow, University of Notre Dame Environmental Research Center, Land O' Lakes, Wisconsin.

2013      Undergraduate Researcher, O'Tousa Lab, University of Notre Dame.

2010–2011      Biological Sciences Intern, Environmental Management and Byproduct Utilization Laboratory, United States Department of Agriculture–Beltsville Agricultural Research Center, Beltsville, MD.

### III. 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. *Malar J.* 2016 Feb 29;15(1):128. PubMed PMID: 26928594.

2015      Lobo NF, Laurent BS, Sikaala CH, Hamainza B, Chanda J, Chinula D, Krishnankutty SM, Mueller JD, **Deason NA**, Hoang QT, Boldt HL, Thumflop J, Stevenson J, Seyoum A, Collins FH. Unexpected diversity of Anopheles species in Eastern Zambia: implications for evaluating vector behavior and interventions using molecular tools. *Sci Rep.* 2015 Dec 9;5:17952.

(*In preparation*)      Echeverry, D.F., **N.A. Deason**, H. Xiao, J. Davidson, V. Makuru, F.H. Collins, T.R. Burkot, T.L. Russell, N.F. Lobo. A fast and robust single PCR for Plasmodium sporozoite detection using the cytochrome oxidase I gene.

(*In preparation*)      Echeverry, D.F., **N.A. Deason**, H. Xiao, J. Davidson, V. Makuru, F.H. Collins, T.R. Burkot, T.L. Russell, B. Cooper, H. Bugoro, H. Rueben, A. Bobogare, N.F. Lobo. Limitations for malaria eradication in the Solomon Islands: asymptomatic malaria and G6PD deficiency.

### IV. HONORS AND AWARDS

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

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      College of Science Undergraduate Research Travel Grant to 63<sup>rd</sup> Annual Meeting of the American Society of Tropical Medicine and Hygiene, New Orleans, LA. \$500

2014	Honorable Mention Award for poster entitled “A new intervention for malaria control in the Solomon Islands: insecticide-impregnated barriers” at Notre Dame Biology Summer Research Symposium.
2014	Global Health Travel Grant to the Solomon Islands. “Evaluation of the outdoor use of insecticide-impregnated barriers (IIB) as a malaria control intervention in the Solomon Islands.” Eck Institute for Global Health, University of Notre Dame. \$5,440
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. Evanston, IL.

## V. TEACHING EXPERIENCE

2015–Present	Private Tutor for ACT, SAT, AP Biology, IB Biology, and Pre-Calculus at Alpha Educators, LLC.
2015	Undergraduate Teaching Assistant, Biostatistics, University of Notre Dame.
2014–2015	Program leader and team mentor for Department of Biological Sciences vertical mentoring program Uplift.
2014–2015	Member of Department of Biological Sciences Senior Leadership Committee.
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.
2013–2014	STEM Ambassador and tutor, Colleges of Science and Engineering, University of Notre Dame.
2014	Trained new students in Collins Lab in mosquito DNA extraction, nested PCR, and gel electrophoresis for detection of malaria parasites.
2013–2014	Undergraduate Teaching Assistant, Organic Chemistry laboratories, University of Notre Dame.

## VI. PRESENTATIONS AT SCIENTIFIC MEETINGS

### TALKS

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

### POSTERS

- Deason, N.A.** Bionomics of the malaria vector *Anopheles farauti* in Jack Harbour, Solomon Islands. 2015. College of Science Joint Annual Meeting, University of Notre Dame.
- Echeverri-Garcia, D.F, **N.A. Deason**, T.L. Russell, T.R. Burkot, F.H. Collins, R.D. Cooper, H. Bugoro, H. Reuben, A. Bobogare, N.W. Beebe, and N.F. Lobo. Prevalence of asymptomatic malaria and glucose 6 phosphate dehydrogenase (G6PD) deficiency in Western Province, Solomon Islands. 2014. 63<sup>rd</sup> Annual Meeting of the American Society of Tropical Medicine and Hygiene, New Orleans, LA.

- Deason, N.A.** A new intervention for malaria control in the Solomon Islands: insecticide-impregnated barriers. 2014. Regional Summer Undergraduate Research Symposium, University of Notre Dame.
- Deason, N.A.** Malaria Prevalence and Epidemiological Characteristics of Western Province, Solomon Islands. 2014. College of Science Joint Annual Meeting, University of Notre Dame.
- Echeverri-Garcia, D.F. and **N.A. Deason**. 2014. Prevalence of malaria and Glucose 6 Phosphate Dehydrogenase deficiency in the Western Province of Solomon Islands. 6<sup>th</sup> Annual Graduate Student Union and Office for Postdoctoral Scholars Research Symposium, University of Notre Dame.
- Deason, N.A.** Predaceous diving beetle larvae as a biocontrol for mosquito larvae. 2013. Fall Undergraduate Research Fair, University of Notre Dame
- Deason, N.A.,** E.C. Brindley, K.E. Hayman, Q.T. Hoang, and J. Yu. 2013. Effects of rhodopsin impairment on bloodfeeding in *Aedes aegypti*. College of Science Joint Annual Meeting, University of Notre Dame.
- Deason, N.A.,** K. Kanyuck, G.N. Stone, and T.H. Dao. 2011. Evaluation of x-ray fluorescence spectrometry as a phosphorus-sensing technology on corn. Annual USDA Poster Day, Beltsville, MD.

## VII. ADDITIONAL TRAINING

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| 2014 | National Science Foundation–Research Experience for Undergraduates Summer Program, Biology. University of Notre Dame.   |
| 2014 | Science Policy Ethics: Guiding Science through the Regulation of Research and Funding. College of Science and the Center for Social Concerns, Washington, D.C. and the University of Notre Dame |
| 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.  |
| 2011 | Brown University Environmental Leadership Program. Hawai’i Volcanoes National Park and Kawaihae, HI.  |

## VIII. PROFESSIONAL MEMBERSHIPS

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| 2014–present | Michigan Mosquito Control Association |
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