

Madeleine Chura
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EDUCATION

- M.S. Entomology** 2019
Louisiana State University, Agricultural Center- Baton Rouge, LA
Advisor: Dr. Kristen Healy
Thesis: Effects of dietary sugars and sugar alcohols on mortality and thermal tolerance in *Culex quinquefasciatus* and *Aedes aegypti*.
- B.S. Insect Ecology and Conservation** 2016
University of Delaware, College of Agriculture- Newark, DE
- B.S. Wildlife Conservation** 2016
University of Delaware, College of Agriculture- Newark, DE

RESEARCH AND WORK EXPERIENCE

- Entomology Research Assistant** Oct 2019-present
Texas A&M University, AgriLife Research- College Station, TX
- Assists with the design and implementation of industry-sponsored research projects related to urban and structural pests, including termites, cockroaches, ants, and mosquitoes.
 - Assists with the writing of technical reports for results of industry trials.
 - Assists with academic research projects conducted by postdocs and graduate students.
- Temporary Ecological Field Technician** 2019
Battelle, Project NEON- Jamestown, ND
- Assisted with soil and plant sampling, processing, and lab work, and invertebrate and mammal surveying.
- Graduate Research Assistant** 2016-2019
Louisiana State University, Department of Entomology- Baton Rouge, LA
- Assisted with projects including: statewide surveys for presence of cryptic container *Aedes* mosquitoes; toxicity of mosquito adulticides on crawfish; longitudinal studies of honey bee health; and thesis research on thermal tolerance of mosquitoes.
- Mosquito Taxonomy Intern** 2016
Delaware Division of Mosquito Control- Glasgow, DE
- Performed mosquito identification for the entire state of Delaware.

Undergraduate Laboratory Assistant and Researcher 2015-2016
University of Delaware, Department of Entomology and Wildlife Ecology- Newark, DE

- Assisted with planting and maintenance of field plots, maintained plants for use in greenhouse experiments, and assisted with laboratory experiments.
- Conducted independent research for a senior thesis project. Title: Non-maize host oviposition preferences of the European corn borer (*Ostrinia nubilalis*) in relation to larval survival.

Research Experience for Undergraduates (NSF) 2015
Calder Center, Fordham University- Armonk, NY

- Conducted a short-term research project on the diversity of tree hole mosquitoes along an urban to rural gradient in New York state.

Volunteer Field Technician 2015
Various Field Sites, Southern Arizona

- Assisted with non-invasive monitoring of large carnivores and their prey items, and conducted vegetation surveys.

Aquatic Macroinvertebrate Intern 2014
Stroud Water Research Center- Avondale, PA

- Identified aquatic larvae for stream health monitoring projects.

PRESENTATIONS

- Chura, M., K. Healy, and R. Diaz. Effects of species, sex, and diet on thermal tolerance in *Aedes aegypti* and *Culex quinquefasciatus*. American Mosquito Control Association Conference. 2019.
- Chura, M. Effects of dietary sugars and sugar alcohols on mortality and thermal tolerance in *Culex quinquefasciatus* and *Aedes aegypti*. Master's Thesis Defense. 2019.
- Chura, M., K. Healy, and R. Diaz. Effects of species, sex, and diet on thermal tolerance in *Aedes aegypti* and *Culex quinquefasciatus*. Louisiana Mosquito Control Conference. 2018.
- Chura, M. and K. Healy. Evaluation of the lethality of sugar alcohols against the yellow fever mosquito, *Aedes aegypti*. LSU Department of Entomology Graduate Student Symposium. 2018.
- Chura, M., K. Healy, and R. Diaz. The effects of temperature extremes and fluctuations on *Aedes albopictus*. American Mosquito Control Association Conference. 2018.
- Chura, M., K. Healy, and R. Diaz. The effects of temperature extremes and fluctuations on the invasive mosquito *Aedes albopictus*. Louisiana Mosquito Control Conference. 2017.
- Chura, M., K. Healy, and R. Diaz. The effects of temperature extremes and fluctuations on the invasive mosquito *Aedes albopictus*. LSU Department of Entomology Graduate Student Symposium. 2017.

- M. Chura. Mosquito biology. Louisiana Mosquito Control Association Spring Workshop. 2017.
- M. Chura and K. Healy. Determining the presence and distribution of container *Aedes* in Louisiana. Louisiana Mosquito Control Association Conference. 2016.
- M. Chura. The non-maize host oviposition preferences of the European corn borer (*Ostrinia nubilalis*) in relation to larval survival. Senior Thesis Defense. University of Delaware, Newark, DE. 2016.

HONORS AND AWARDS

- C. Lamar Meek Graduate Assistantship Award. LSU Department of Entomology. 2019.
- C. Lamar Meek Memorial Scholarship. Louisiana Mosquito Control Association, 2019.
- Oral Presentation Award, 1st Place. 10-Minute Oral Presentation Category, LSU Department of Entomology Graduate Student Symposium. 18 October 2018.
- Oral Presentation Award, 3rd Place. 10-Minute Oral Presentation Category, LSU Department of Entomology Graduate Student Symposium. 28 September 2017.
- Dale F. Bray Award. University of Delaware. 29 May 2016.

EXTRACURRICULAR AND VOLUNTEER EXPERIENCE

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| ● LSU EnvironMentor Program Volunteer. | 2017-2018 |
| ● LSU Entomology Club President. | 2017-2018 |
| ● LSU AgMagic Volunteer. | 2017, 2018 |
| ● Louisiana Mosquito Control Association 6 th Grade Education Day. | 2016, 2018 |