

Julia Nadeau Gneckow

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EDUCATION

2016-2021 B.S., The University of Central Florida, Orlando, FL, USA
Major: Biology
Research topic: Occurrence of *Salmonella enterica* subspecies in wild birds that frequent farms. (Advisor: Dr. Anna Forsman)

RESEARCH EXPERIENCE

2020-Present Research Assistant (Paid Position), D4 Ecology Lab, Department of Biology, University of Central Florida, Orlando, Florida, USA
I am assisting Jacob Hart with his doctorate research on mosquitos. My work involves trap set-up and retrieval, and insect identification.

2019-Present Independent Research and Research Intern, Wild Symbioses Lab, Department of Biology, University of Central Florida, Orlando, Florida, USA
I am conducting a comprehensive literature review of Salmonella serovars in wild birds that are in close proximity to production-animal farms. I am also cataloging bacteria and viruses that have been reported to be pathogenic to birds in literature. The end result will be used to interrogate existing gut microbiome data from Dr. Anna Forsman's previous work with Tree Swallows and her current with Florida Scrub Jays. I am also helping with her field work with Florida Scrub Jays.

2019 Independent Research, D4 Ecology, Department of Biology, University of Central Florida, Orlando, Florida, USA
I conducted independent student research to find a biocontrol method for Giant Apple Snails in invaded farmlands in Florida. The objective was to find an effective alternative to molluscicides. Through this I learned how to plan experiments, conduct thorough literature searches, and how to write a protocol and paper.

2018 Laboratory Assistant, D4 Ecology lab, Department of Biology, University of Central Florida, Orlando, Florida, USA
*I worked with a master's student in the Ecology lab studying the highly invasive Giant Apple Snail (*Pomacea maculata*) and its dispersal mechanisms. Work included husbandry, tank maintenance, field work, and data collection.*

MANUSCRIPTS IN PREPARATION

Nadeau-Gneckow, J. and A.M. Forsman. *Salmonellosis in Wild Birds: The Relationship Between Salmonellosis and a Bird's Proximity to Farms.*

Nadeau-Gneckow, J. and A.M. Forsman, *Literature Review of Pathogenic Bacteria in Larus Species.*

AWARDS & FELLOWSHIPS

2020 Burke Grant-Level 2 Award of \$10,000 for Knighthawk Audubon Club
The grant is awarded by the National Audubon Society and the Coleman and Susan Burke center for native plants. I was the project manager for our club's application for the Burke Grant. I wrote our grant request and conducted all the background research necessary to write the request. The money will be used to plant bird-friendly plants in the University of Central Florida's Arboretum.

2020 Student Membership Award-American Ornithological Society

2019-2020 Audubon Conservation Leadership Initiative (CLI)
CLI connects students pursuing careers in conservation with professionals in their field. The fellowship allows students to improve their leadership skills and build opportunities.

PRESENTATIONS

2020 Poster Presentation, Showcase of Undergraduate Research Excellence, University of Central Florida
Nadeau-Gneckow, J. and A.M. Forsman. Salmonella smugglers: Investigating the role of migratory birds in the spread of Salmonella
(My poster was accepted but the presentation was canceled due to the COVID-19 pandemic).

2020 Poster Presentation, North American Ornithological Conference
Nadeau-Gneckow, J. and A.M. Forsman. Salmonella smugglers: Investigating the role of migratory birds in the spread of Salmonella

ADDITIONAL RELEVANT EXPERIENCE

2019 Volunteer, Audubon Center for Birds of Prey, Maitland, FL.
The Center for Birds of Prey rehabilitates injured birds of prey and educates the public on the importance of conservation. I help with daily upkeep including, cleaning after and feeding the birds.

Updated: August 12, 2020

- 2019 *Vice President and co-founder, of Knighthawk Audubon Campus Chapter of The National Audubon Society, University of Central Florida, Orlando, FL.*
I worked for seven months to form the Audubon club at UCF. I spoke with Audubon employees to get advice on the best way to form the club, attended online courses and conferences, wrote the club's constitution, and ran meetings. Through this experience I gained invaluable knowledge about leadership.
- 2019 *Volunteer, Ornithology Collections, University of Central Florida, Orlando, FL.*
Assisted in cataloging activities in the Biology Department's Ornithology collection. Until this year, there was no electronic record of UCF's bird specimens.
- 2015-Present *Volunteer, Palomacy, San Francisco, CA.*
Palomacy is a pigeon and dove rescue based in Northern California. I helped with fundraisers, events, and animal husbandry. When I moved to Florida in 2016, I continued to work with them remotely.