

# Lucas A. Nell

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## EDUCATION

**PhD, University of Wisconsin–Madison (Fall 2016–Present)**

**MS, University of Florida (2014)**

- *Thesis*: Exploring benefits to American alligators (*Alligator mississippiensis*) associating with long-legged wading bird nesting colonies in the Everglades






**BS, Pennsylvania State University (2009)**


## AWARDS

- First Year Fellowship, Department of Zoology, UW–Madison (~\$15,000; 2017)
- Runner-Up, Best Student Oral Presentation, The Waterbird Society (Fall 2014)
- NSF Graduate Research Fellowship, Honorable Mention (Fall 2014)
- Gene Becker Memorial Scholarship, Mote Marine Laboratory (\$1,000; Spring 2010)
- Dean's List, Penn State University (Spring 2006, Spring 2007–Fall 2009)

## PUBLICATIONS

 = open access    = institutional access    = PDF

4. Greenbarg EH, Jiménez DA, **Nell LA**, Schmiedt CW. In press. Pilot study: use of contrast-enhanced ultrasonography in feline renal transplant recipients. *Journal of Feline Medicine and Surgery*.  
3. **Nell LA**, Frederick PC, Mazzotti FJ, Vliet KA, Brandt LA. 2016. Presence of breeding birds improves body condition for a crocodilian nest protector. *PLOS ONE* 11:e0149572. [[Top 0.07% of articles for online impact](#)] 
2. **Nell LA**, Frederick PC. 2015. Fallen nestlings and regurgitant as mechanisms of nutrient transfer from nesting wading birds to crocodilians. *Wetlands* 35:723–732.  

1. Barclay VC, Sim D, Chan BHK, **Nell LA**, Rabaa MA, Bell AS, Anders RF, Read AF. 2012. The evolutionary consequences of blood-stage vaccination on the rodent malaria *plasmodium chabaudi*. *PLOS Biology* 10:e1001368. [[Top 1% of articles for online impact](#)] 

## PRESENTATIONS

### Invited Talk

- Society for Conservation Biology, University of Florida Chapter (Nov 2014)

### Talks

- Department of Wildlife Ecology and Conservation's MS Symposium (Dec 2014)
- Annual Meeting of the Waterbird Society (Nov 2014)



### Posters

- Innovation Through Institutional Integration (I<sup>3</sup>) Program's Graduate Student Research Day (Oct 2014)
- Florida Cooperative Fish & Wildlife Research Unit's Annual Coordinating Committee Meeting (May 2014)
- Florida Cooperative Fish & Wildlife Research Unit's Annual Coordinating Committee Meeting (May 2013)
- Florida Museum of Natural History's 36th Annual Herpetology Conference (Apr 2013)




## SCIENTIFIC DISSEMINATION

 = recording    = PDF

### Popular Science Articles

- **Nell, LA**. Jun 2016. Nesting with alligators. *Natural History*, 12–15. 
- **Nell, LA**. May 2016. Unlikely companions. *Biosphere*, 56–61. 

### Media Appearances

- “Quirks & Quarks”, CBC Radio (12 Mar 2016) 
- “Science Update”, AAAS (7 Mar 2016) 
- “60-Second Science”, Scientific American (4 Mar 2016) 

### Local Outreach

- *Volunteer at Zoology Grad Student Organization's booth*
  - Discovery Expo, Wisconsin Institute for Discovery (23 Oct 2016)
- *Speaker at Environmental Education events*
  - C.W. Norton Elementary School, Gainesville, FL (4 Oct 2013)
  - High Springs Community School, Gainesville, FL (14 Sep 2012)

## PROFESSIONAL AFFILIATIONS

- The Society for the Study of Evolution (since 2012)
- Ecological Society of America (since 2015)

## TEACHING

### **Discussion Teaching Assistant, University of Wisconsin–Madison**

- *Introductory Biology* (Fall 2016)

### **Laboratory Teaching Assistant, Penn State University**

- *Animal Science* (Spring 2008–Fall 2009)
- *Biology: Basic Concepts and Biodiversity* (Fall 2008)

## MENTORING

### **New Graduate Student Mentor**

- Zoology Introductions for New Grads, Department of Integrative Biology, UW-Madison (Summer 2017–Present)

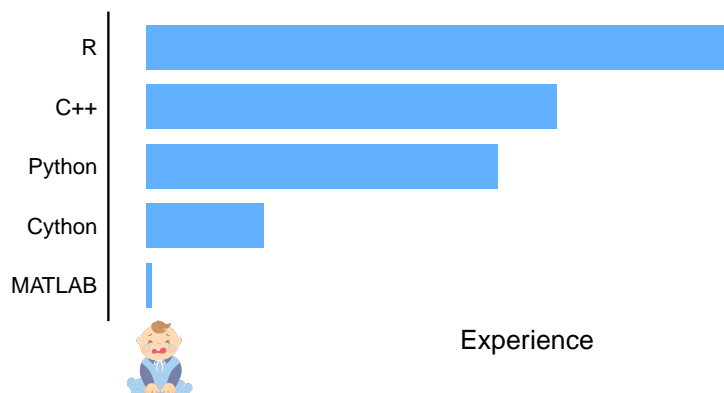
### **Science Fair Mentor**

- Abraham Lincoln Middle School, Gainesville, FL (Fall 2012)

### **Invited Student Panel Participant**

- Career Expo, Penn State University (31 Oct 2009)
- Veterinary & Biomedical Sciences Camp, Penn State University (1 Jul 2009)

## PROGRAMMING



## RESEARCH APPOINTMENTS

### **University of Georgia**

*Sex chromosome evolution in stickleback fishes and mice* (Dr. Michael White, PI)

- Research Technician (Aug 2015–July 2016)

### **University of Florida**

*Effects of nesting wading birds on alligators in the Everglades* (Dr. Peter Frederick, PI)

- Research Assistant (Aug 2012–Dec 2014)

### **Colorado State University**

*Human–elephant conflict in Ruaha, Tanzania* (Ms. Sarah Maisonneuve, Director)

- Field Site Manager (Jan–May 2012)
- Field Technician (Jun–Jul 2011)

### **Mote Marine Laboratory**

*Florida manatee conservation biology* (Dr. John E. Reynolds, III, Director)

- Intern (Apr–Aug 2010)

### **Penn State University**

*Evolution of malaria in response to vaccination* (Dr. Andrew Read, PI)

- Laboratory Technician (Aug–Dec 2009)

*Effects of fire ant invasion on native lizards* (Dr. Tracy Langkilde, PI)

- Laboratory Technician (May–Dec 2009)

*Factors affecting ruminant digestion efficiency* (Dr. Jud Heinrichs, PI)

- Laboratory Technician (May–Sep 2008)