

# JONATHAN P. DRURY

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## POSITIONS

**Assistant Professor**, Department of Biosciences, Durham University, December 2017-present

**Post-Doctoral Researcher**, Dept. of Ecology & Evolutionary Biology, UCLA, September 2016-December 2017 (PI: Dr. Gregory F. Grether)

**Post-Doctoral Researcher**, Institut de Biologie de l'Ecole Normale Supérieure, Paris, France, November 2014-September 2016 (PI: Dr. Hélène Morlon)

## EDUCATION

**Ph.D. Biology**, Dept. of Ecology & Evolutionary Biology, UCLA, September 2014

- **Dissertation:** “The interplay between agonistic character displacement and reproductive interference in rubyspot damselflies (*Hetaerina* spp.)”
- **Major advisor:** Dr. Gregory F. Grether

**B.Sc. Ecology**, Institute of Ecology, University of Georgia, December 2006

- Major in Ecology, minors in Spanish and Women’s Studies
- Graduated First Honors (4.0 GPA), Summa Cum Laude

## HONORS

- UCLA Department of Ecology & Evolutionary Biology Scherbaum Award, 2013  
*Bestowed annually on one graduate student in recognition of distinguished research*
- National Science Foundation Graduate Research Fellow, 2008- 2011

## PUBLICATIONS (‡DENOTES UNDERGRADUATE RESEARCHER)

2018 **Drury, J.**, Burns, K., Mason, N., Tobias, J., Shultz, A., & Morlon, H. Contrasting impacts of competition on ecological and social trait evolution in songbirds. *PLOS Biology*.  
[doi:10.1371/journal.pbio.2003563](https://doi.org/10.1371/journal.pbio.2003563).

**Drury, J.**, Grether, G., Garland Jr., T. & Morlon, H. An assessment of phylogenetic tools for analyzing the interplay between interspecific interactions and phenotypic evolution. *Systematic Biology*. 67: 413-427. [doi:10.1093/sysbio/syx079](https://doi.org/10.1093/sysbio/syx079).

- Tinghitella, R., Lackey, A., Martin, M., Dijkstra, P., Scordato, L., Heathcote, R., **Drury, J.**, Keagy, J., & Tyers, A. On the role of male competition in speciation: A review and research agenda. *Behavioral Ecology*. 29: 783-797. doi:[10.1093/beheco/ax151](https://doi.org/10.1093/beheco/ax151).
- 2017 Putman, B., **Drury, J.**, Blumstein, D. & Pauly, G. Fear no colors? The influence of clothing colour on lizard escape behaviour. *PLOS One*. doi: [10.1371/journal.pone.0182146](https://doi.org/10.1371/journal.pone.0182146)  
-Press coverage: [NPR](#), [Scientific American](#), [Seeker](#)
- 2016 **Drury, J.**, Clavel, J., Manceau, M. & Morlon, H. Estimating the effect of competition on trait evolution using maximum likelihood inference. *Systematic Biology*. 65: 700-710. doi: [10.1093/sysbio/syw020](https://doi.org/10.1093/sysbio/syw020)
- Drury, J.** & †Burroughs, N. Nest shape explains variation in sexual dichromatism in New World blackbirds. *Journal of Avian Biology*. 47: 312-320. doi: [10.1111/jav.00757](https://doi.org/10.1111/jav.00757)
- Losin, N., **Drury, J.**, Peiman, K., †Storch, C. & Grether, G. The ecological causes and evolutionary stability of interspecific territoriality. *Ecology Letters*. 19: 260-267. doi: [10.1111/ele.12561](https://doi.org/10.1111/ele.12561)
- Morlon, H., Lewitus, E., Condamine, F., Manceau, M., Clavel, J., & **Drury, J.** RPANDA: R package for macroevolutionary analyses on phylogenetic trees. *Methods in Ecology & Evolution*. 7: 589-597. doi: [10.1111/2041-210X.12526](https://doi.org/10.1111/2041-210X.12526)
- 2015 **Drury, J.**, Okamoto, K., Anderson, C., & Grether, G. Reproductive interference explains persistence of aggression between species. *Proceedings of the Royal Society: B*. 20142256. doi:[10.1098/rspb.2014.2256](https://doi.org/10.1098/rspb.2014.2256)  
-Press coverage: [UCLA Newsroom](#)
- \***Drury, J.**, Anderson, C., & Grether, G. Seasonal polyphenism in wing coloration affects species recognition in rubyspot damselflies (*Hetaerina* spp.) *Journal of Evolutionary Biology*. 28: 1439-1452. doi: [10.1111/jeb.12665](https://doi.org/10.1111/jeb.12665)  
\*featured on the cover of the issue in which it appeared
- †Hensley, N., **Drury, J.**, Garland Jr., T. & Blumstein, D. Vivid birds do not initiate flight sooner despite their potential conspicuousness. *Current Zoology*. 61(4): 773-780.
- Grether, G., **Drury, J.**, †Berlin, E., & Anderson, C. The role of wing coloration in sex recognition and competitor recognition in rubyspot damselflies (*Hetaerina* spp.). *Ethology*. 121(7): 674-685. doi: [10.1111/eth.12382](https://doi.org/10.1111/eth.12382)
- 2014 \***Drury, J.** & Grether, G. Interspecific aggression, not interspecific mating, drives character displacement in the wing coloration of male rubyspot damselflies (*Hetaerina*). *Proceedings of the Royal Society: B*. 20141737. doi: [10.1098/rspb.2014.1737](https://doi.org/10.1098/rspb.2014.1737)  
-covered by [Anole Annals](#)  
\*featured on the cover of the issue in which it appeared
- 2013 Grether, G., Anderson, C., **Drury, J.**, Kirschel, A., Losin, N., Okamoto, K., & Peiman, K. The evolutionary consequences of interspecific aggression. *Annals of the NY Academy of Sciences*. doi: [10.1111/nyas.12082](https://doi.org/10.1111/nyas.12082)

‡Journey, L., **Drury, J.**, ‡Haymer, M., ‡Rose, K. & Blumstein, D. Vivid birds respond more to acoustic signals of predators. *Behavioral Ecology & Sociobiology*. doi: [10.1007/s00265-013-1556-z](https://doi.org/10.1007/s00265-013-1556-z)

2011 Anderson, C., Córdoba-Aguilar, A., **Drury, J.**, & Grether, G. An assessment of marking techniques for odonates in the family Calopterygidae. *Entomologia Experimentalis et Applicata* 141:258-261. doi: [10.1111/j.1570-7458.2011.01185.x](https://doi.org/10.1111/j.1570-7458.2011.01185.x)

2010 **Drury, J.** Immunity & mate choice: a new outlook. *Animal Behaviour* 79:539-545. doi:[10.1016/j.anbehav.2009.12.023](https://doi.org/10.1016/j.anbehav.2009.12.023)

**Drury, J.** & Gowaty, P. 2010. Social Selection, Sexual Selection, and Sexual Conflict. In: *Encyclopedia of Animal Behavior* (Eds. M. Breed and J. Moore) Academic Press, San Diego.

## SPEAKING

### *Invited Symposium Presentations*

- “Allopatric divergence - not reinforcement - shapes signal trait evolution in Tanagers”  
*Gordon Research Seminar on Speciation, Tuscany, Italy, Symposium “Progress, Synthesis and Integration at the Frontiers of Speciation Research”, Feb. 2017*
- “The maintenance of aggression across species boundaries”  
*International Society for Behavioural Ecology, Exeter, UK, Symposium “Male competition & speciation”, Aug. 2016*
- “Assessing the impact of species interactions on trait evolution”  
*Evolution, Austin, TX, Spotlight Session “The evolution of species interactions”, June 2016*
- “Estimating the long-term effect of species interactions on trait evolution”  
*Frontiers in Ecology and Evolution Symposium, IBENS, Paris, FR, June 2015*

### *Oral Conference Presentations*

- “Toward a unified framework for identifying the impact of species interactions on trait and range evolution”  
*BES Macroecology, St. Andrews, UK, July 2018*
- “Phylogenetic approaches to studying behavioral interference shed light on interspecific territoriality in North American passerines”  
*Evolution, Portland, OR, June 2017*
- “New inference tools for incorporating the effect of interspecific competition on trait evolution”  
*Systematics Association Biennial, Oxford UK, Aug. 2015*
- “Character displacement in the wing color patterns of rubyspot damselflies: An experimental test of multiple character displacement hypotheses”  
*Evolution, Raleigh, NC, June 2014*
- “Agonistic character displacement, not reproductive character displacement, explains variation in male wing patterns in rubyspot damselflies (*Hetaerina* spp.)”  
*Society for Integrative and Comparative Biology, Austin, TX, Jan. 2014*
- “Reproductive interference and adaptive, between-species territoriality in rubyspot damselflies (*Hetaerina* spp.)”  
*Evolution, Snowbird, UT, June 2013*
- “Reproductive interference and interspecific territoriality in rubyspot damselflies”  
*Society for Integrative and Comparative Biology, San Francisco, CA, Jan. 2013*

## ***Selected Seminars***

- “The dynamics of social competition between species of rubyspot damselflies,” Student Course in Behavioural Biology, Université Paris XIII, Sep. 2018
- “Behavioural interference in rubyspot damselflies,” *EEE Seminar, Durham University, Feb. 2018*
- “The macroevolutionary consequences of competition in the largest family of songbirds,” *Research Away Day, Durham University, Jan. 2018*
- “Incorporating interspecific interactions into phylogenetic models of trait evolution,” *Section Seminar, IBENS, Dec. 2015*
- “Phylogenetic inference of trait evolution resulting from interspecific social interactions,” *Herpetology Department, Museum für Naturkunde, Berlin, Germany, Feb. 2015*
- “Character displacement in the wing color patterns of rubyspot damselflies (*Hetaerina* spp.): an experimental test of alternative hypotheses”  
*EcoEvoPub Presentation, UCLA, May 2014*

## **TEACHING**

### ***Instructor***

- BIOL 2451, Evolution, Durham University, 2018-2019
- EEB 120, Evolution, UCLA, Summer 2014
- EEB 98T, Flexible Phenotypes & Adaptive Evolution, UCLA, Winter 2014

### ***Teaching Associate***

- EEB 132, Field Behavioral Ecology, UCLA & Refugio Bartola, Nicaragua, Winter 2013
- SOCGEN 101, Genetic Concepts for Human Sciences, UCLA, Winter 2012
- EEB 132, Field Behavioral Ecology, UCLA & St. John, U.S. Virgin Islands, Fall 2009
- EEB 17, Evolution for Everyone, UCLA, Winter 2009

### ***Mentoring (\* denotes previously or currently pursuing graduate education)***

- *Field assistants:* Timothy Alvey, Marco Benitez, Emily Berlin\*, Andrew Chao\*, John Garrett, Simone Giovanetti, Patrick Green\*, Maddie Harris, Kate Henderson\*, Sara Hu\*, Linnea Karlen, Emily Khazan\*, Christina Linkem, Emma Long, Ruthie Musker\*, Summer Sanford\* , Amanda Savage
- *UCLA undergraduate research:* Carmen Antaky, Morgan Barnes, Erin Berlin\*, Eric Boyd, Nathan Burroughs\*, Brian Dang\*, Thomas Dial, Samantha Ellis\*, Jewel Fisher, Nicholas Gentry\*, Cynthia Gonzalez\*, Mike Haymer\*, Niko Hensley\*, Lexi Journey\*, Khin KyiSin, Latonia Luu\*, Jonathan Mai\*, Atishay Mathur, Otensia McKenzie, Kate Rose, Lansing Perng, Cathy Stoltzka, Nick Synsteliën, Kelly Tang, Younglin You, Ashley Yu

## **AWARDS**

### ***Fellowships***

- Collegium of University Teaching Fellowship, Winter 2014
- UCLA Graduate Division Dissertation Year Fellowship, 2013- 2014

- UCLA Graduate Division and EEB Department Graduate Research Fellowship, 2011- 2013
- National Science Foundation Graduate Research Fellowship, 2008- 2011
- HOPE Fellowship, 2002-2006

### **Research Awards**

- Grant Seedcorn Award, Durham University, May 2018: £8,500
- Amazon AWS in Education Research Grant, December 2015: \$1,600
- UCLA Dept. of Ecology & Evolutionary Biology Research Award, June 2012: \$500
- UCLA Dept. of Ecology & Evolutionary Biology Research Award, June 2011: \$1,000
- UCLA Dept. of Ecology & Evolutionary Biology Research Award, November 2009: \$1,300

## **SERVICE TO THE PROFESSION**

### **Departmental Service**

- Seminar organizer for the Ecology, Evolution, and Environment group of the Department of Biosciences (2018-2019 academic year)
- Internal examiner (with role of doctoral dissertation approval) for two PhD students.
- Departmental liaison for First Generation Scholar Network (2018-2019 academic year)

### **Symposium Organization**

- “Ecological Models of Macroevolution”  
*Evolution, Montpellier, France, August 2018 (co-organized with Dr. Matthew Pennell, UBC)*

### **Peer Review**

- The American Naturalist, Behavioral Ecology & Sociobiology, Biological Journal of the Linnean Society, Current Zoology, Ecology Letters, Evolution, Global Ecology and Biogeography, Journal of Animal Ecology, Journal of Biogeography, Nature Communications, PLOS Biology, Trends in Ecology & Evolution

### **Professional Memberships**

- International Society for Behavioral Ecology (ISBE), 2014-present
- Society for the Study of Evolution (SSE), 2013-present
- Society for Integrative & Comparative Biology (SICB), 2012-2015

## **HOBBIES**

I enjoy birdwatching, learning languages (I'm fluent in Spanish and conversant in French), reading, hiking, camping, cooking, swimming, and traveling.

## **REFERENCES**

Dr. Gregory Grether  
Professor, Dept. of Ecology & Evolutionary Biology

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