

# Christopher G. Lawrence

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## Appointments

- 2023- **Visiting Pre-Doctoral Student** Smithsonian Tropical Research Institute  
Mentor: Owen McMilan
- 2020 **PhD Candidate** Princeton University Department of Ecology and Evolutionary Biology. Advised by: Dan Rubenstein Owen McMilan

## Education

- 2018- **Ph.D** Princeton University (Ecology and Evolutionary Biology)  
Advisor: Daniel Rubenstein, Dissertation: “Genetic Architecture of Local Adaptation in Heliconius Butterflies”
- 2018 **M.S.C.** University of Tulsa (Biological Sciences)  
Advisor: Warren Booth, Thesis: The Bed Bug (*Cimex Lectularius*): A Model System for The Study of Mitochondrial and Endosymbiont Genome Evolution
- 2016 **B.S.** Iowa State University (Major Genetics, Minor Science Communication)

## Fellowships, Awards & Honors

- 2021-2023 Smithsonian Tropical Research Institute Visiting Pre-doctoral Fellowship
- 2018 Princeton University Presidents Fellowship
- 2017 M. Bovaird Molecular Biology Fellowship
- 2016 NSF Summer Internship
- 2015 NSF Research Experience Undergrads

## Research Grants

- 2023 **Council of Science and Technology Research Grant:** “Towards an Open Source Camera Trap for Insects and Citizen Scientists: Lead Christopher Lawrence Support: Daniel Rubenstein. Award \$18,000
- 2022 **Council of Science and Technology Research Grant:** “Understanding Forgery and Mimicry in Art and Nature : Lead Christopher Lawrence Support: Daniel Rubenstein. Award \$12,000
- 2018 **University of Tulsa Student Grant** (Biological Sciences). Award \$1,000
- 2016 **University of Tulsa Student Grant** (Biological Sciences). Award \$2,000

## Publications

Cheng, S. J., Gaynor, K. M., Moore, A. C., Darragh, K., Estien, C. O., Hammond, J. W., **Lawrence, C.**, Mills, K. L., Baiz, M. D., Ignace, D., Khadempour, L., McCary, M. A., Rice, M. M., Tumber-Dávila, S. J., & Smith, J. A. (2023). Championing inclusive terminology in ecology and evolution. In *Trends in Ecology & Evolution*. Elsevier BV. <https://doi.org/10.1016/j.tree.2022.12.011>

DeVries, ZC, Santangelo, RG, Booth, W, (**Lawrence**) et al. Reproductive compatibility among populations and host-associated lineages of the common bed bug (*Cimex lectularius* L.). *Ecol. Evol.* 2020; 10: 11090– 11099. <https://doi.org/10.1002/ece3.6738>

Understanding Mimicry in Butterflies from Images using Machine Learning, Reshma R Babu, Yael Stochel, **Christopher Lawrence**, Daniel Rubenstein, Chuck Stewart, Wei-Lun Chao, David Carlyn, Jihyung Kil, Yu Su, Luke Song, Anuj Karpatne, Mohannad Elhamod, Krzysztof Kozak, Owen McMillan, Tanya Berger-Wolf (CVPR Submission: Accepted and Presented June 2022) <https://www.cv4animals.com/2022-accepted-papers>

## Invited Talks (Research)

- 2023 Imageomics Spring All Hands Symposium
- 2023 McGuire Center Lepidopteran Research talk
- 2022 Webinar Series in Explorative Lepidopteran Research (Heliconius Group UK)
- 2022 Princeton Integrative Behavior Research Group Seminar
- 2022 Smithsonian Tropical Research Institute
- 2022 Imageomics Spring All Hands Symposium
- 2021 Princeton Integrative Behavior Research Group Seminar
- 2021 University of Neuchâtel, Lab. Of Evolutionary Genetics
- 2021 Georgetown University, Dept. of Biology, Washington DC
- 2021 GREBE (Graduate Student Centered Conference)
- 2021 Princeton Integrative Behavior Research Group Seminar

## Invited Talks (Outreach)

- 2022 Forgery and Mimicry in Art and Nature, Princeton Art Museum and Council of Science and Technology
- 2022 WeMakeTheBed Podcast
- 2021 WeRepStem Zine
- 2021 Black in National Parks Video
- 2021 RadLab Presentation, “Field Study of Con Games” Princeton University Council of Science and Technology
- 2020 RadLab Presentation, “Maternal Inheritance in Bed Bugs” Princeton University Council of Science and Technology
- 2020 Princeton Alumni Day Showcase “Recombination and Genome Evolution in Dogs”
- 2019 Letters to a Pre-scientist
- 2016 Classroom Lecture: Bell Elementary School

### Selected Presentations

2020 4<sup>th</sup> Uppsala Transposon Symposium  
2017 Evolution 2017 (Portland OR)  
2017 20<sup>th</sup> Annual University of Tulsa Research Colloquium  
2015 REU Summer Symposium  
2015 57<sup>th</sup> Annual Maize Genetics Conference

### Service and Leadership

2023 Imageomics NextGen Research Day Organizer  
2023 NSF SCATE-TraitFest Conference Organizer  
2022- EEB Inclusive Terminology Project  
2021 Princeton Diversity Post-Doc Search Committee  
2018-2022 Black Graduate Caucus Executive Board  
2021 Voices of STEM  
2020 Princeton Grad Student Access, Diversity, and Inclusion Seminar Series  
2019- Studio Lab Technician (Campus Maker Space)  
2018-2020 Grad Student director of Evolution Seminar Series  
2017-2018 Grad Student Representative (University of Tulsa)

### Advisees

Current Reshma Babu (OSU'23)  
Previous Yael Stochel (PU '22), Gage Holleman (UT '18), Hannah Easley (UT '18)

### REFERENCES

Dr. Dan Rubenstein  
Ph.D. Advisor  
Princeton University  
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Dr. Warren Booth  
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Dr. Carolyn Lawrence-Dill  
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Iowa State University  
Genetics, Development, and Cell Biology  
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