

**DANIELA HELENA DROGUETT PALMER** - CV      Presidential Postdoctoral Fellow  
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## EDUCATION

University of Chicago	Evolutionary Biology	Ph.D., 2018
University of California, Davis	Mathematical and Scientific Computation	B.S., 2012
	Minor in Evolution, Ecology, and Biodiversity	

## APPOINTMENTS

2021-	Presidential Postdoctoral Fellow in Ecology, Evolution, and Behavior Michigan State University
2019-2021	NSF Postdoctoral Research Fellow in Biology University of Sheffield, UK

## PUBLICATIONS

8. Rogers TF, **Palmer DH**, Wright AE. 2021. Sex-specific selection drives the evolution of alternative splicing in birds. *Molecular Biology and Evolution* 38(2).
7. DuBay SG\*, **Palmer DH\***, Piland N\*. 2020. Global inequity in scientific names and who they honor. *bioRxiv preprint*. doi: 10.1101/2020.08.09.243238  
\* denotes co-first authorship
6. **Palmer DH**, Kronforst MR. 2020. A shared genetic basis of mimicry across swallowtail butterflies points to ancestral co-option of *doublesex*. *Nature Communications* 11(6).
5. **Palmer DH**, Rogers TF, Dean R, Wright AE. 2019. How to identify sex chromosomes and their turnover. *Molecular Ecology* 28(21): 4709-4724.
4. **Palmer DH**, Tan YQ, Finkbeiner SD, Briscoe AD, Monteiro A, Kronforst MR. 2018. Experimental field tests of Batesian mimicry in the swallowtail butterfly *Papilio polytes*. *Ecology and Evolution* 00:1-10.
3. Westerman EL, Letchinger R, Tenger-Trolander A, Massardo D, **Palmer DH**, Kronforst MR. 2018. Does male preference play a role in maintaining female limited polymorphism in a Batesian mimetic butterfly? *Behavioral Processes* 150:47-58.

2. **Palmer DH**, Kronforst MR. 2015. Divergence and gene flow among Darwin's finches: A genome-wide view of adaptive radiation driven by interspecies allele sharing. *BioEssays* 37(9):968-974.
1. Kunte K, Zhang W, Tenger-Trolander A, **Palmer DH**, Martin A, Reed RD, Mullen SP, Kronforst MR. 2014. *doublesex* is a mimicry supergene. *Nature* 507:229-232.

## FELLOWSHIP AWARDS

- 2018-2021 NSF Postdoctoral Research Fellowship in Biology (\$207,000)  
 2016-2018 Graduate Assistance in Areas of National Need (GAANN) Fellowship in Quantitative Ecology (\$59,500)  
 2014 NSF East Asia and Pacific Summer Institutes Fellowship (\$5,070)  
 2013-2016 Graduate Assistance in Areas of National Need (GAANN) Fellowship in Evolutionary Environmental Biology (\$90,000)

## PRESENTATION AWARDS

- 2016 Outstanding Oral Presentation - Society for the Advancement of Hispanics/Chicanos and Native Americans in Science (SACNAS) National Meeting

## INVITED SEMINARS

- 2021 Ecology & Evolution Colloquium, Stony Brook University  
 2021 Ecology & Marine Biology Group, University of Liverpool  
 2021 Ecology, Evolution & Behavior Seminar, Michigan State University  
 2020 Biology Department Seminar, University of Texas, Arlington  
 2020 Cytogenetics & Genomics Workshop, Universidade Estadual Paulista  
 2020 Decolonisation in Practice Conference, University of Birmingham

## ACADEMIC SERVICE – EQUITY AND JUSTICE

### University of Sheffield

- 2019- **Contextualizing the Curriculum Working Group**  
 Organized a working group focused on confronting the impacts of imperialism, dispossession, and exclusion in STEM. We have produced a guide to help members of our department redesign their curricula using a critical and explicit historical and sociocultural lens. We are now hosting a series of workshops to introduce faculty to these concepts and sharing our work across the university. The guide can be found at:  
<https://sites.google.com/sheffield.ac.uk/decolonisingecolevol/>

2019- Equality, Diversity, and Inclusion Committee  
Member of departmental committee working to advance equity in student admissions and faculty hiring and promotion, and to build community in the department.

### **University of Chicago**

2017-2018 Ernest Everett Just Working Group  
Founding member of student group dedicated to memorializing the life and legacy of biologist E.E. Just, who earned his PhD from University of Chicago in 1916. We collaborated with local artist Stephen Flemister to conceptualize a portrait of E.E. Just, and dedicated a departmental seminar room in his honor. For more on this project see:  
<https://www.uchicagomedicine.org/forefront/biological-sciences-articles/pioneering-biologist-ernest-everett-just>  
and <http://eejust.stephenflemister.com>

2012-2017 Multicultural Graduate Community/University of Chicago SACNAS Chapter  
Founding member of graduate student organization dedicated to fostering the success of students from minoritized backgrounds across the biological, physical, and social sciences. Key activities included organizing community-building socials, hosting professional development workshops, establishing local SACNAS chapter, and starting the Diversity in Science Speaker Series.

2012-2017 Biological Sciences Division Diversity Committee  
Student member in group of 34 faculty, administrators, and students focused on recruitment and retention of graduate students from minoritized backgrounds.

### **Society for the Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS) – The National Diversity in STEM conference**

2019-2021 Reviewer for student presentations, travel awards, and session proposals

2019-2021 Mentor judge for student presentations

2019, 2020 Mentor for 1-on-1 Mentoring Workshop

### **Funding for Equity and Justice Work**

2018 University of Chicago Campus-Wide Inclusive Climate Grant (\$3,000)  
*Honoring the life and legacy of Ernest Everett Just (PhD 1916) at UChicago*

2017 University of Chicago Biological Sciences Division Diversity Research and Small Grants Program (\$1,000)  
*Dedication of a plaque and seminar room in honor of E.E. Just*

2014 University of Chicago Graduate Innovation Grant (\$4,100)  
*Diversity in Science Speaker Series*

## OTHER ACADEMIC SERVICE

**Journal reviewer** – *Molecular Ecology, Proceedings of the Royal Society B, Evolution, BMC Biology, BMC Genomics, Ecology Letters, Journal of Evolutionary Biology, Nature Communications, Molecular Biology and Evolution*

**Research Proposal reviewer** – *Czech Science Foundation*

## TEACHING EXPERIENCE

2017 **Biological Systems, Teaching Assistant**  
**BIOS 20235 – University of Chicago**  
Led discussion sections to help students with problem sets covering genetics, development, ecology, and evolution; designed and graded homework and exams

2014 **The Public and Private Lives of Insects, Teaching Assistant**  
**BIOS 13140 – University of Chicago**  
Designed and delivered two lessons (Evolution of mimicry, Pollination Biology and Natural Selection), designed and graded quizzes and exams, held review/office hours

2013, 2018 **Lolita, Guest Lecturer**  
**ENGL 28916 – University of Chicago**  
Designed and delivered lecture on introductory butterfly and moth biodiversity, and Vladimir Nabokov's dual career as a novelist and curator of Lepidoptera

## PROFESSIONAL TRAINING AND DEVELOPMENT

2019 Society for the Advancement of Hispanics/Chicanos and Native Americans in Science (SACNAS) Postdoctoral Leadership Institute

2019 The Genetics Society Communicating Your Science Workshop

2018 NextProf Science Future Faculty Workshop, University of Michigan

2017 Course Design and College Teaching,  
Chicago Center for Teaching, University of Chicago

2017 Teaching in the Sciences,  
Chicago Center for Teaching, University of Chicago

2016 Fundamentals in Teaching for Biological and Physical Sciences, University  
of Chicago

## **LANGUAGE AND CODING SKILLS**

Native speaker, English and Spanish

Proficient in R and Python