

# Christopher J. Fiscus

Postdoctoral Scholar  
Department of Ecology and Evolutionary Biology  
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## Education

**Ph.D. Genetics, Genomics and Bioinformatics** 2022  
University of California, Riverside

**B.S. Biotechnology** 2015  
University of California, Davis

## Professional Experience

**Postdoctoral Scholar** 2022-Present  
Dept of Ecology and Evolutionary Biology, University of California, Irvine  
Advisor: Dr. Brandon Gaut

**Graduate Student Researcher** 2016-2022  
Dept of Botany and Plant Sciences, University of California, Riverside  
Advisor: Dr. Daniel Koenig

**Quality Control Laboratory Technician**, Charles Krug Winery 2015-2016

**Harvest Laboratory Technician**, Charles Krug Winery (via Apex Life Sciences) 2015

**Undergraduate Researcher**, University of California, Davis 2014  
Advisor: Dr. Jeffrey Ross-Ibarra

**Undergraduate Intern**, University of California, Davis Spring 2012  
Advisor: Dr. Kent J. Bradford

## Teaching Experience

**Guest Lecturer**, University of California, Riverside  
BIOL 119. Introduction to Genomics and Bioinformatics. Winter 2020  
Lecture: Genomics, Phenotype and Disease.

**Teaching Assistant**, University of California, Riverside  
BIOL 119. Introduction to Genomics and Bioinformatics Winter 2019, 2020, 2021  
BIOL 102. Introductory Genetics Winter 2018

**Community Education Instructor**, Modesto Junior College  
Science Camp Summer 2013-2014

**Community Education Assistant Instructor**, Modesto Junior College  
Introductory LEGO Mindstorms NXT Robotics Summer 2012-2014  
Advanced LEGO Mindstorms NXT Robotics Summer 2013-2014  
Video Game Programming for Kids Summer 2014

## Publications

Martinez SE, Conn CE, Guercio AM, Sepulveda C, **Fiscus CJ**, Koenig D, Shabek N, Nelson DC. A KARRIKIN INSENSITIVE2 paralog in lettuce mediates highly sensitive germination responses to karrikinolide. *Plant Physiol.* 2022. doi:10.1093/plphys/kiac328

## Contributed Presentations (+ denotes presenter)

**Fiscus CJ**+, Koenig D. The genetic control of rapid genome content divergence in *Arabidopsis thaliana*. Poster. PEQG2022. Pacific Grove, CA

**Fiscus CJ**+, Koenig D. A catalog of genome content variation in *Arabidopsis thaliana*. Poster. TAGC 2020 Online. Online. doi: 10.6084/m9.figshare.12148632.v1

Landis JB, Brown KE, Marzolino J, Guercio A, **Fiscus CJ**, Koenig D+. The genomic basis of adaptation in a ninety year long barley experiment. Oral. TAGC 2020 Online. Online.

Landis JB, **Fiscus CJ**, Guercio A, Koenig D+. The genetic architecture of adaptation in the long term barley composite cross experiments.. Talk. PAG XXVIII. San Diego, CA

**Fiscus CJ**+, Koenig D. A catalog of genome content variation in *Arabidopsis thaliana*. Talk. Annual Genetics, Genomics, and Bioinformatics Student Symposium 2019. Riverside, CA

**Fiscus CJ**+, Koenig D. A K-mer based approach to characterize the dark matter of the *Arabidopsis thaliana* genome. Poster. Southern California Evolutionary Genetics and Genomics Meeting 2019. Irvine, CA

**Fiscus CJ**+, Koenig D. A K-mer based approach to characterize the dark matter of the *Arabidopsis thaliana* genome. Poster. SBE 2019. Manchester, UK

Landis JB+, Nguyen J, Villamor I, Guercio A, **Fiscus CJ**, Quigley M, Ophelders T, Eithun M, Munch E, Chitwood D, Koenig D. Integrating next-generation high resolution phenotype acquisition with genotypes to study adaptation in barley (*Hordeum vulgare*). Oral. Botany 2019. Tucson, AZ

Valdez CR, **Fiscus CJ**+, Koenig D. Characterization of genome content variation in *Oryza sativa*. Poster. UCR Graduate Program in Genetics, Genomics and Bioinformatics Symposium 2019. Poster. Riverside, CA

Landis JB+, Guercio AM, **Fiscus CJ**, Koenig D. Phenotypic variation and genetic control of long-term success in a near century long study of barley (*Hordeum vulgare*). Oral. Botany 2018. Rochester, MN

Landis JB+, **Fiscus CJ**, Guercio AM, Koenig D. Elucidating the genetic control of long-term success in a near century long study of barley (*Hordeum vulgare*). Oral. Evolution 2017. Portland, OR

## Awards and Fellowships

UCR Graduate Student Association Conference Travel Grant- \$400	2022
Earle C. Anthony Graduate Student Travel Award (UCR)-\$1000	2020
UCR Graduate Student Association Conference Travel Grant- \$900	2019
Best Student Appetizer, Botany and Plant Sciences Holiday Party	2017, 2018, 2019
Dean's Distinguished Fellowship (UCR)	2016-2018

## Professional Affiliations

Genetics Society of America	2020-Present
Society for Molecular Biology and Evolution	2017-Present

## Outreach

Scientist Mentor, PlantingScience	2017-2020
Volunteer, UC Riverside Plant Discovery Day	April 2019
Master Plant Science Team, PlantingScience	2017-2018
Guest Speaker, James C. Enochs High School Forensics/Biotechnology Career Pathway Program	March 2017

## Service

President, GGB Graduate Student Association (UCR)	2019-2020
Secretary, GGB Graduate Student Association (UCR)	2017-2018

## Mentoring

Livia Nguyen, UCR undergraduate	2020
Caitlin Santos, UCR undergraduate	2019-2021
Johnny Nguyen-Tran, UCR undergraduate	2019
Chris Roland Valdez, NSF-CEPCEB REU Program in Next Generation Plant Biology	Summer 2018
Selena Burke, NSF-CEPCEB REU Program in Next Generation Plant Biology	Summer 2017