

# Christopher J. Fiscus

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## Education

**Ph.D. Genetics, Genomics and Bioinformatics**, University of California, Riverside 2022  
Dissertation: *Causes and consequences of plant genome evolution*  
Advisor: Dr. Daniel Koenig

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

## Professional Experience

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

**Graduate Student Researcher**, University of California, Riverside 2016-2022  
Dept of Botany and Plant Sciences  
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 Winter 2020  
BIOL 119. Introduction to Genomics and Bioinformatics.  
Lecture: Genomics, Phenotype and Disease.

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

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

**Community Education Assistant Instructor**, Modesto Junior College Summer 2012-2014  
Introductory LEGO Mindstorms NXT Robotics  
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

## Presentations

**Fiscus CJ**. Causes and consequences of plant genome evolution. Seminar. January 2023. Friends of Evolution Seminar Series, Dept. of Ecology and Evolutionary Biology UC Irvine

**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

**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

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

## 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

## 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

Organizer, Southern California Evolutionary Genetics and Genomics Meeting (SCaE)	2023
President, GGB Graduate Student Association (UCR)	2019-2020
Secretary, GGB Graduate Student Association (UCR)	2017-2018

## Professional Affiliations

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

## 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