

# Christopher J. Fiscus

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## Education

### Ph.D. Genetics, Genomics and Bioinformatics

expected Summer 2022

University of California, Riverside

### B.S. Biotechnology

June 2015

University of California, Davis

## Professional Experience

### Graduate Student Researcher, University of California, Riverside

2016-Present

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

### Preprints

Martinez, S. E., Conn, C. E., Guercio, A. M., Sepulveda, C., **Fiscus, C. J.**, Koenig, D., Shabek, N., & Nelson, D. C. (2021). A KARRIKIN INSENSITIVE2 paralog in lettuce mediates highly sensitive germination responses to karrikinolide. In bioRxiv (p. 2021.10.13.464162). <https://doi.org/10.1101/2021.10.13.464162>

## 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

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
National History Day Judge, Riverside Unified School District	January 2018
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