

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. A Catalog of Genome Content Variation in *Arabidopsis thaliana*. Poster. TAGC 2020 Online. Online. doi: [10.6084/m9.figshare.12148632.v1](https://doi.org/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. SMBE 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