

Christopher J. Fiscus, PhD

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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

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| 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

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| 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

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

Mentoring

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| 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 |