# Christopher J. Fiscus, PhD

#### **Bioinformatics Scientist**

Irvine, California

**\** 1-209-613-9384

in fiscuscj

## **Summary**

Research scientist with experience in computational biology and bioinformatics, specializing in analysis of next-generation sequencing data using high-performance computing systems. Proven track record of driving scientific research projects as part of a cross-functional team. Expert communicator with ability to translate technical information for diverse stakeholders.

# **Professional Experience**

**Postdoctoral Researcher** 

2022 - Present

Irvine, CA

- University of California, Irvine
  - Executing scientific research projects studying wild grape genomics
  - Organized Southern California Evolutionary Genetics and Genomics Meeting (~100 attendees)
  - Team lead for Pan-Structural Variation Hackathon in the Cloud (hosted by Baylor College of Medicine)

#### **Graduate Student Researcher**

2016 - 2022

University of California, Riverside

Riverside, CA

- Led 3 computational biology research projects resulting in 2 publications, 1 oral presentation, and 4 poster presentations
- Demonstrated leadership and project management skills by mentoring 5 direct reports
- Taught discussion sections for 4 college-level courses in genomics and bioinformatics (3X) and genetics (1X)

#### **Quality Control Laboratory Technician**

2015 - 2016

Charles Krug Winery

St. Helena, CA

- Conducted enology laboratory tests at all stages of production to ensure compliance with legal and product quality specifications
- Developed 5 SOPs for quality control laboratory assays
- Promoted from Harvest Laboratory Technician role within 6 months

#### Skills

- General data analysis and visualization, problem-solving, statistical programming, communication
- Programming R, python, bash
- Bioinformatics NGS data analysis: bwa, GATK, samtools, bedtools, plink
- Computing Unix, SLURM, conda, git (version control), snakemake (workflow)

## **Education**

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

2022

University of California, Riverside

#### B.S. Biotechnology

2015

University of California, Davis

#### Certifications

# **AWS Cloud Technical Essentials**

Nov 2023

Coursera

**Publications** © 0000-0001-9569-1809

**Fiscus CJ**, Herniter IA, Tchamba M, Paliwal R, Muñoz-Amatriaín M, Roberts PA, Abberton M, Alaba O, Close TJ, Oyatomi O, Koenig D. The pattern of genetic variability in a core collection of 2,021 cowpea accessions. bioRxiv. 2023. p. 2023.12.21.572659. doi:10.1101/2023.12.21.572659

Landis JB, Guercio AM, Brown KE, **Fiscus CJ**, Morrell PL, Koenig D. Natural selection drives emergent genetic homogeneity in a century-scale experiment with barley. bioRxiv. 2023. p. 2023.09.22.557807. doi:10.1101/2023.0 9.22.557807

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