

# Arun Durvasula

@arundurvasula

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## Education

BS Biotechnology, Microbiology and Fermentation, University of California Davis 2015 (expected)

## Experience and Employment

Research Intern, Hancock Lab. Max F. Perutz Laboratories (planned).	June 2015 - August 2015
Research Intern, Ross-Ibarra Lab. University of California, Davis.	June 2013 - Present
Research Assistant, Rowhani Lab. University of California, Davis.	June 2014 - Present
Technical Reviewer for <i>Bioinformatics Data Skills</i> , O'Reilly Media.	December 2013 - March 2014
Research Assistant, Tagkopoulos Lab. University of California, Davis.	January 2013 - June 2013

## Publications

Tyler Kent, Siddhartha Bhadra-Lobo, **Arun Durvasula**, Jinliang Lang, Eric Fuchs, Jeffrey Ross-Ibarra. Population genomic assessment of crop-wild gene flow in the endangered wild rice *Oryza glumaepatula* (2015). In preparation.

**Arun Durvasula**, Tyler Kent, Jeffrey Ross-Ibarra. ANGSD-wrapper: scripts to streamline and visualize NGS population genetics analysis (2015). In preparation.

Timothy Beissinger, Li Wang, **Arun Durvasula**, Kate Crosby, Matthew Hufford, Jeffrey Ross-Ibarra. Patterns of Demography and Selection Since Maize Domestication (2015). In preparation.

## Teaching

Teaching assistant: Ecological Genomics (Graduate), Winter 2015

## Awards

Undergraduate Travel Award, UC Davis Plant Sciences, 2015

Vienna Biocenter Summer Internship Scholarship, 2015

## Presentations and Posters

ANGSD-wrapper: scripts to streamline and visualize NGS population genetics analysis, Poster at Society for Molecular Biology and Evolution Conf, Vienna, Austria, 2015

Description and detection of a novel Reovirus species in Cabernet grapevines in California, Poster at American Phytopathological Society, 2015.

## Skills

Programming: R, Python, Bash, Awk, C

Libraries: ggplot2, dplyr, shiny, bioconductor, scikit-learn, scipy

Bioinformatics: assembly, alignment, statistical genetics, BLAST

Tools: Unix, git, slurm, sun grid engine, SQL, NoSQL, Amazon Web Services

## References

### **Jeffrey Ross-Ibarra**

Associate Professor

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### **Maher Al Rwahnih**

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