Arun Durvasula

@arundurvasula

Department of Plant Sciences
University of California
1 Shields Ave.
Davis, CA 95616

Phone: (408) 656-6358
Email: adurvasula@ucdavis.edu
Blog: www.arundurvasula.wordpress.com
Github: www.github.com/arundurvasula

Education

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

Experience and Employment

Research Intern, Hancock Lab. Max F. Perutz Labratories (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 *Bioinformatics Data Skills*, O'Reilly Media.	December 2013 - March 2014
Research Assistant, Tagkopulous Lab. University of California, Davis.	January 2013 - June 2013

Publications

Tyler Kent, Siddartha 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: Python, R, Bash, Awk, C

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

Bioinformatics: BWA, SAMtools, Plink, assembly, alignment, statistical genetics, BLAST

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

References

Jeffrey Ross-Ibarra

Associate Professor
Dept. of Plant Science
University of California
Davis, CA. 95616
email: rossibarra@ucdavis.edu

Maher Al Rwahnih

Project Scientist
Foundation Plant Services
University of California
Davis, CA. 95616
email: malrwahnih@ucdavis.edu