

Arun Durvasula

@arundurvasula

Max F. Perutz Laboratories
Dr.-Bohr-Gasse 9
Vienna, Austria, 1030

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

Experience and Employment

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

Skills

Programming: Python, R, Bash, Awk, C
Population genetics: demographic inference (MSMC, $\delta a \delta i$, ABC), selection scans (SweeD), simulations (ms, SFS_CODE, SLiM)
Bioinformatics: BWA, SAMtools, Plink, assembly, alignment, statistical genetics, BLAST
Tools: Unix, git, slurm, sun grid engine, SQL, NoSQL, Amazon Web Services

Publications

1. **Durvasula A**, Kent TV, Hoffman PJ, Liu C, Kono TJY, Morrell PL, Ross-Ibarra J. (2015) ANGSD-wrapper. PeerJ PrePrints 3:e1837 <https://dx.doi.org/10.7287/peerj.preprints.1472v1>
2. Timothy Beissinger, Li Wang, Kate Crosby, **Arun Durvasula**, Matthew Hufford, Jeffrey Ross-Ibarra. Domestication and the impacts of linked selection on the maize genome. (2015). In preparation.
3. 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.

Teaching

Teaching assistant: ECL 298, Ecological Genomics (Graduate), Winter 2015

Awards

Undergraduate Travel Award, UC Davis Plant Sciences, 2015
Vienna Biocenter Summer Internship Scholarship, 2015

Presentations and Posters

1. ANGSD-wrapper: scripts to streamline and visualize NGS population genetics analysis, Poster at Society for Molecular Biology and Evolution Conf, Vienna, Austria, 2015
2. Population history of island *Arabidopsis thaliana*, Talk at Vienna Biocenter Summer Symposium, Vienna, Austria, 2015

References

Angela Hancock

Group Leader

Max F. Perutz Laboratories

Vienna, Austria

email: angela.hancock@univie.ac.at

Jeffrey Ross-Ibarra

Associate Professor

Dept. of Plant Science

University of California

Davis, CA. 95616

email: rossibarra@ucdavis.edu