Arun Durvasula

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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 Labratories (planned). June 2015 - August 2015

Research Intern, Ross-Ibarra Lab. University of California, Davis. June 2013 - Present

Bioinformatician, Rowhani Lab. University of California, Davis. June 2014 - Present

Technical Reviewer for *Bioinformatics Data Skills*, O'Reilly Media. December 2013 - March 2014

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

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: 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

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.

References

Jeffrey Ross-Ibarra

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Maher Al Rwahnih

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