Arun Durvasula

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Education

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

High School Diploma, Saint Francis High School, Mountain View, CA 2011

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

Principal Programmer, Seqcoverage. July 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

Presentations and Posters

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

ANGSD-wrapper: scripts to streamline and visualize NGS population genetics analysis, Poster at Bay Area Population Genetics Conf, 2014

Skills

Programming: R, Python, Bash, Awk, C, C++, Ruby, Java, Javascript, HTML, CSS

Frameworks/Libraries: Scikit Learn, Scipy, Numpy, Matplotlib,

Bioinformatics: assembly, alignment, population genetics analysis

Tools: Git, Shiny, Matlab, SQL, Machine learning, IPython, LaTeX, Slurm, Sun Grid Engine

Molecular biology: PCR, Gel electrophoresis, RFLP, Bacterial transformation, Genomic DNA isolation

References

Jeffrey Ross-Ibarra

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Maher Al Rwahnih

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