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

Research Intern, Hancock Lab. Max F. Perutz Labratories (planned). June 2015 - August 2015

Research Assistant, Rowhani Lab. University of California, Davis. June 2014 - June 2015

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, Matthew Hufford, **Arun Durvasula**, 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

Patterns of Demography and Selection Since Maize Domestication, Poster at Maize Genetics Conf, 2015

ANGSD-wrapper: scripts to streamline and visualize NGS population genetics analysis, Poster at Bay Area Population Genetics Conf, 2014 and Maize Genetics Conf, 2015

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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