

Arun Durvasula

@arundurvasula

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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 Laboratories (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 <i>Bioinformatics Data Skills</i> , O'Reilly Media.	December 2013 - March 2014
Principal Programmer, Seqcoverage.	July 2014
Research Assistant, Tagkopoulos Lab. University of California, Davis.	January 2013 - June 2013

Publications

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.

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:

- | | | |
|----------|--------|--------|
| • R | • Bash | • C |
| • Python | • Awk | • Java |

Libraries:

- | | | |
|-----------|----------------|----------------|
| • ggplot2 | • shiny | • scikit-learn |
| • dplyr | • bioconductor | • scipy |

Bioinformatics:

- | | | |
|-------------|--------------------------------|---------|
| • assembly | • population genetics analysis | • BLAST |
| • alignment | | |

Tools:

- | | | |
|---------|----------------------------|-----------------------|
| • git | • sun grid engine | • Amazon Web Services |
| • slurm | • databases: SQL and NoSQL | |

Molecular biology:

- | | | |
|-----------------------|----------------------------|-------------------------|
| • PCR | • RFLP | • Genomic DNA isolation |
| • Gel electrophoresis | • Bacterial transformation | |

References

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Maher Al Rwahnih

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