Stanford



Alex Borowsky

Postdoctoral Scholar, Bioengineering

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PROFESSIONAL EDUCATION

- PhD, University of California, Riverside , Plant Biology (2024)
- BA, Vanderbilt University , Molecular and Cellular Biology (2018)

STANFORD ADVISORS

- Jennifer Brophy, Postdoctoral Faculty Sponsor

Publications

PUBLICATIONS

- **Rewiring gene circuitry for plant improvement** *NATURE GENETICS*
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- **spatialHeatmap: visualizing spatial bulk and single-cell assays in anatomical images** *NAR GENOMICS AND BIOINFORMATICS*
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- **A suberized exodermis is required for tomato drought tolerance** *NATURE PLANTS*
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- **Gene regulatory networks shape developmental plasticity of root cell types under water extremes in rice** *DEVELOPMENTAL CELL*
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- **Vision, challenges and opportunities for a Plant Cell Atlas.** *eLife*
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- **Innovation, conservation, and repurposing of gene function in root cell type development** *CELL*
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- **Recurrent Loss of abaA, a Master Regulator of Asexual Development in Filamentous Fungi, Correlates with Changes in Genomic and Morphological Traits** *GENOME BIOLOGY AND EVOLUTION*
  Mead, M. E., Borowsky, A. T., Joehnk, B., Steenwyk, J. L., Shen, X., Sil, A., Rokas, A.

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- **A Global Coexpression Network Approach for Connecting Genes to Specialized Metabolic Pathways in Plants** *PLANT CELL*
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