

Stanford

Yue Rui

Basic Life Res Scientist

Biology

Bio

ACADEMIC APPOINTMENTS

- Basic Life Research Scientist, Biology

Publications

PUBLICATIONS

- **Correlating physiology and structure with fluorescent biosensors and cryo-ET**
Azaldegui, C. A., Perez, D. D., Dwyer, W., Rose, K. M., Rui, Y., Dinneny, J., Dahlberg, P. D.
CELL PRESS.2026: 11a
- **Visualizing spatial and temporal responses of plant cells to the environment**
Zaoralova, M., Azaldegui, C. A., Sica, A. V., Rui, Y., Joubert, L., Dinneny, J., Dahlberg, P. D.
CELL PRESS.2024: 420A
- **Environmental biosensors for cryogenic correlative light and electron microscopy**
Azaldegui, C. A., Rui, Y., Vecchiarelli, A., Dinneny, J., Biteen, J., Dahlberg, P. D.
CELL PRESS.2024: 419A
- **Mutations in the Pectin Methyltransferase QUASIMODO2 Influence Cellulose Biosynthesis and Wall Integrity in Arabidopsis thaliana.** *The Plant cell*
Du, J. n., Kirui, A. n., Huang, S. n., Wang, L. n., Barnes, W. J., Kiemle, S. n., Zheng, Y. n., Rui, Y. n., Ruan, M. n., Qi, S. n., Kim, S. H., Wang, T. n., Cosgrove, et al
2020
- **A Wall with Integrity: Surveillance and Maintenance of the Plant Cell Wall Under Stress.** *The New phytologist*
Rui, Y., Dinneny, J. R.
2019
- **Synergistic Pectin Degradation and Guard Cell Pressurization Underlie Stomatal Pore Formation.** *Plant physiology*
Rui, Y., Chen, Y., Yi, H., Purzycki, T., Puri, V. M., Anderson, C. T.
2019
- **Mechanical Effects of Cellulose, Xyloglucan, and Pectins on Stomatal Guard Cells of Arabidopsis thaliana** *FRONTIERS IN PLANT SCIENCE*
Yi, H., Rui, Y., Kandemir, B., Wang, J. Z., Anderson, C. T., Puri, V. M.
2018; 9
- **Balancing Strength and Flexibility: How the Synthesis, Organization, and Modification of Guard Cell Walls Govern Stomatal Development and Dynamics** *FRONTIERS IN PLANT SCIENCE*
Rui, Y., Chen, Y., Kandemir, B., Yi, H., Wang, J. Z., Puri, V. M., Anderson, C. T.
2018; 9