



FROST FUND ANNUAL REPORT: 2018 - 2019 EXCELLENCE EMPOWERED

CALIFORNIA POLYTECHNIC STATE UNIVERSITY

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FROST SUMMER RESEARCH 2019



PHOTO
CONTEST

WINNER!

IMAGE SUBMITTED BY:

Dylan Stephens

Biological Sciences

**Ecological Genetics of Two Rare Chorizanthe Species
(Image of of Chorizanthe breweri)**

Faculty: Dr. Nishanta Rajakaruna

This photo displays the species *Chorizanthe breweri*, taken with the Leica EZ4 microscope of one the two plants I studied this summer. I collected this specimen in the Irish Hills while it was in flower and then took the plant back to photograph in Science North, then edited with Lightroom and Photoshop. This species is listed by the California Native Plant Society as a 1B species, the rarest ranking a plant can receive. The flowers are white and over the summer season turn to pink. This species is very similar to the newly discovered plant, endemic to the Irish Hills named; *Chorizanthe aphanantha*. The morphological differences are extremely subtle and can only be fully discerned using a microscope. The structure that is shown is only several millimeters long.

JUDGING PANEL:

COLLEGE OF SCIENCE AND MATHEMATICS

Philip S. Bailey, Director of the Frost Fund, Dean Emeritus

Dean E. Wendt, Dean

Derek Gragson, Associate Dean, Professor

Kathryn Dilworth, Assistant Dean of Advancement and External Relations

Ruzena Brar, Director of Advancement

Rachel Henry, Public Affairs and Communication

Tony Turreto, Digital Communications Specialist

UNIVERSITY DEVELOPMENT AND ALUMNI ENGAGEMENT

Eileen Vavra, Communications and Design



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