

Jin Huang

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Education

University of California, Davis, Davis 09.17.2018-12.11.2021

Bachelor of Science in Plant Sciences

Cumulative GPA: 3.9/4.0

Minor: Nutrition and Food

Wageningen University & Research, The Netherlands

08.29.2022-Present

Master of Plant Biotechnology (Specialization: Functional Plant Genomics)

Cumulative GPA: 8.38/10

Research Experience

Validation of a Wheat Drought-tolerance Gene (PI: Dr. Jorge Dubcovsky)

11.2019-04.2020

I evaluated genotypic effects on seminal root length in a hydroponic system.

Phenotype of Provitamin A Biofortified Wheat (PI: Dr. Li Tian)

04.2020-06.2021

I used *beta-carotene hydroxylase 1&2* knock-out mutants to explore the light vs dark effect on seed germination by measuring root number, length, and angle of seedlings.

Publication and Presentation

Bekkering CS, Huang J, Tian L. "Image-based, organ-level plant phenotyping for wheat improvement." *Agronomy*.

08.2020

2019 UC Davis Undergraduate Research Conference, "Phenotypic Traits of *Plantago lanceolata* as Related to Herbivory and Population Structure".

2021 UC Davis Undergraduate Research Conference, "Phenotypic Characterization of β -Carotene Hydroxylase (HYD) Mutants in Tetraploid Wheat".

Skills

Laboratory DNA&RNA extraction & quantification, PCR, SDS-PAGE, Western Blot, cell & tissue culture, Agrobacterium transformation

Computer Microsoft Word, Excel (Proficient), R, Python, Unix, MATLAB (Basic).

Awards

Mrak Award, College of Agricultural and Environmental Sciences

04.2020

2020 Innovation Institute for Food & Health Summer Undergraduate Research Fellowship

Additional Information

Internship Sustainable Horticulture Internship at UC Davis Arboretum and Public Garden (designed and planted a low water use experimental garden); UC Davis Student Farm (plant, manage, and sell organic vegetables).

Service UC Davis The Green Initiative Fund Committee

Volunteer World Wide Opportunities on Organic Farms, Tokushima, Japan