

Gitanshu Munjal

Davis, California

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Education

Sep 2014
to
Present

University of California, Davis

Ph.D. student, GGHA, Crop Improvement, GPA 3.92

- Horticulture & Agronomy Graduate Fellowship (Fall 2014)
- Horticulture & Agronomy Graduate Fellowship (Spring 2015)

Sep 2011
to
June 2013

University of California, Davis

B.S.(with Honors) Plant Sciences , Plant Breeding & Genetics, GPA 3.6

- Departmental Citation for outstanding undergraduate performance
- Ming Hop Lee Memorial Scholarship
- Inducted to Phi Sigma biological sciences honors society
- Dean's Honor Roll list every quarter at Oregon State (5 quarters)
- Drucilla Shepard Smith Scholastic Award (Oregon State)
- Loren. J Smith Agricultural Honors Scholarship (Oregon State)
- Ursula Bolt Knaus Scholarship, Dec 2010 (Oregon State)

Work History

Jan 2015
to
Present

Graduate Student Researcher

Brummer Lab

Department of Plant Sciences-University of California, Davis

- Project aimed at dissecting the genetic control of autumn dormancy in autotetraploid alfalfa (*Medicago sativa*) using quantitative and population genetic approaches.

Sep 2013
to
March 2014

Breeding Assistant-Silage Corn

Forage Genetics International, Davis, CA (foragegenetics.com)

- Responsibilities included: Database building and management, programming to improve efficiency of inventory and phenotyping operations, operating field equipment, experimental design, data collection and analysis, agronomic field-work, and leading field crews.

Dec 2012
to
August 2013

Undergraduate Intern/Research Assistant

Ross-Ibarra Lab (rilab.org)

Department of Plant Sciences - University of California, Davis

- Project aimed at genome wide association analysis of maize phenotypes in highland and lowland environments. Responsibilities included: data collection (phenotyping), statistical analysis using R, and maintaining plants in the growth chamber.

Dec 2012
to
April 2013

Undergraduate Intern/Research Assistant

Tomato Genetic Resources Center (tgrc.ucdavis.edu)

University of California, Davis

- Project aimed at analyzing crossing relationships in tomato species. Responsibilities included: pollination, floral harvest, and scoring pollen tubes in styles using fluorescence microscopy.

July 2012
to
August 2012

Research Trainee

Chia Tai Seeds Company, Thailand (chiataigroup.com)

- Trained in cultivation, management, and breeding techniques for various vegetable crops at three research stations in different parts of Thailand.

Jan 2012
to
Jun 2012

Undergraduate Intern/Research Assistant

Zakharov Lab ([Website](#))

Department of Plant Sciences - University of California, Davis

- Project aimed at understanding the molecular pathways underlying aroma compound synthesis in cantaloupes. Responsibilities included: Tissue culture, DNA & RNA isolation, maintaining plants in the greenhouse, pollinating flowers, and harvesting fruit.

Jan 2011
to
Mar 2011

Laboratory Assistant

Department of Horticulture - Oregon State University

- Ornamental plant breeding program (Thuja species). Responsibilities included: Flow cytometry, laboratory and greenhouse management.

Jun 2010
to
Sep 2010

Industry Trainee

National Seed Corporation of India- Delhi, India

- Successfully completed the "Seed Quality Control" and the "Marketing of Seeds and Planting Materials" training programs.

Apr 2010
to
Jun 2010

Greenhouse Technician

Department of Horticulture - Oregon State University

- Hazelnut breeding program. Responsibilities included: transplanting operations, and setting up drip irrigation systems.

Skills

- Strong foundation in plant science, genetics, & statistics
- Experience working with databases, statistical programs (SAS and R), & office software.
- Experience working with field equipment & leading crews.
- Knowledge of five languages (Hindi, English, French, Punjabi, Sanskrit).