

# Gitanshu Munjal

Davis, California

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## Education

Sep 2014  
to  
Dec 2017

### University of California, Davis

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

- Henry A. Jastro Research Award
- Horticulture & Agronomy Graduate Fellowship (Spring 2015)
- Horticulture & Agronomy Graduate Fellowship (Fall 2014)

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 2018  
to  
Present

### Research Lead

*Rama Krishna Hybrid Seeds*

*Delhi, India*

Jan 2015  
to  
Dec 2017

### 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 selection mapping and genome-wide association mapping approaches.

Sep 2013  
to  
March 2014

### Breeding Assistant-Silage Corn

*Forage Genetics International, Davis, CA ([foragegenetics.com](http://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](http://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	<b>Undergraduate Intern/Research Assistant</b> <i>Tomato Genetic Resources Center (<a href="http://tgrc.ucdavis.edu">tgrc.ucdavis.edu</a>)</i> <i>University of California, Davis</i> <ul style="list-style-type: none"> <li>Project aimed at analyzing crossing relationships in tomato species. Responsibilities included: pollination, floral harvest, and scoring pollen tubes in styles using fluorescence microscopy.</li> </ul>
July 2012 to August 2012	<b>Research Trainee</b> <i>Chia Tai Seeds Company, Thailand (<a href="http://chiataigroup.com">chiataigroup.com</a>)</i> <ul style="list-style-type: none"> <li>Trained in cultivation, management, and breeding techniques for various vegetable crops at three research stations in different parts of Thailand.</li> </ul>
Jan 2012 to Jun 2012	<b>Undergraduate Intern/Research Assistant</b> <i>Zakharov Lab (<a href="#">website</a>)</i> <i>Department of Plant Sciences - University of California, Davis</i> <ul style="list-style-type: none"> <li>Project aimed at understanding the molecular pathways underlying aroma compound synthesis in cantaloupes. Responsibilities included: Tissue culture, DNA &amp; RNA isolation, maintaining plants in the greenhouse, pollinating flowers, and harvesting fruit.</li> </ul>
Jan 2011 to Mar 2011	<b>Laboratory Assistant</b> <i>Department of Horticulture - Oregon State University</i> <ul style="list-style-type: none"> <li>Ornamental plant breeding program (Thuja species). Responsibilities included: Flow cytometry, laboratory and greenhouse management.</li> </ul>
Jun 2010 to Sep 2010	<b>Industry Trainee</b> <i>National Seed Corporation of India- Delhi, India</i> <ul style="list-style-type: none"> <li>Successfully completed the "Seed Quality Control" and the "Marketing of Seeds and Planting Materials" training programs.</li> </ul>
Apr 2010 to Jun 2010	<b>Greenhouse Technician</b> <i>Department of Horticulture - Oregon State University</i> <ul style="list-style-type: none"> <li>Hazelnut breeding program. Responsibilities included: transplanting operations, and setting up drip irrigation systems.</li> </ul>

## Involvements

- Web Master, Graduate Group in Horticulture & Agronomy ([website](#))
- Outreach Coordinator, Graduate Group in Horticulture & Agronomy
- Organizing Committee Member, 2016 UCD Plant Breeding Symposium
- Organizing Committee Chair, 2017 UCD Plant Science Symposium
- Web Design, UCD Plant Science Symposium ([plantsciencesymposium.ucdavis.edu](http://plantsciencesymposium.ucdavis.edu))

## Skills

- Strong foundation in plant science, genetics, & statistics
- Extensive 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).