

Sebastian Calleja

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Education

Ph.D.	Plant Science University of Arizona, Tucson, AZ, USA Advisor: Duke Pauli	
B.A.	Biology, specialization in Behavioral Biology Boston University, Boston, USA	2015 - 2019

Research Experience

Research Specialist , University of Arizona	Summer 2019 – Present
<ul style="list-style-type: none">• Conducted field work on plant physiology using LI-COR 6400 XT gas-exchange machine and FluorPen FP 110 to measure photosynthetic efficiency• Gained skills in crop management including herbicide/pesticide management, and irrigation• Gathered field data, such as hand measurements and collected samples• Gained knowledge of complex farm equipment including GPS planters and other common implements• Conducted pressure bomb measurements to measure leaf water potential under extreme conditions• Obtained section 107c UAV pilot's license. Carry out acquisition of UAV-based imagery on experimental crops• Harvested sorghum and cotton, both by hand and machine	

Research Assistant , Boston University Advisor: Dr. Graham Dow	Fall 2017 - Spring 2019
<ul style="list-style-type: none">• Conducted field work on plant physiology using LI-COR 6800 gas-exchange machine and became familiar with brightfield microscopy• Travelled to orchards to collect physiological and hand measurements of apple varieties• Analyzed excel data and gained microscope slide preparation skills• Analyzed stomatal characteristics, such as pore length, width and area using Image J• Gained presentation skills• Received stipends from the University to conduct research	

Skills

- Processing, collecting, and quality control of field data
- Use, maintenance, and understanding of field research equipment
- Exceptional organizational abilities and time management skills
- Computer skills (Microsoft, Excel, Word, Power Point, ArcGIS, Image J), basic understanding of R
- Bilingual knowledge: Fluent in English and Spanish

Other Experience

Boston University lab assistant for Vertebrate Zoology lab	Spring 2019
<ul style="list-style-type: none">• Prepared specimens to be dissected and observed• Aided in the creation of lab exams (both oral and paper)	

Late Night Kitchen waiter and busser

Fall 2016 – Spring 2018

- Gained customer service skills and time management skills