

Steve Montalvo

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Education

Bachelor of Science in Plant Genetics, 2017
University of Florida, Gainesville, Florida
Minor: Innovation

Experience

Research Assistant, February 2015 - Present,
University of Florida, Gainesville, Florida

- Determining ploidy levels through flow cytometry, chromosome counts, stomata length measurements, and stomata chloroplast counts
- Maintaining crops - pruning, watering and fertilizing
- Performing dwarfism, mutagenesis and polyploidisation experiments
- Directing breeding crosses and evaluating progeny performance in field trials
- Assessing water quality, pollinator count, and implementing pest control systems

Lab Technician, May - June 2014

Florida Museum of Natural History, Gainesville, Florida

- Loading gels with DNA samples and running them through horizontal electrophoresis
- Performing DNA Extraction on plant material
- Creating stock solutions
- Staining gels with Ethidium Bromide

Lab Technician, August 2011- June 2012

Winter Park Tech- Avalon campus, Orlando, Florida

- Producing agar and broth mediums
- Culturing E.coli and yeast colonies in-vitro
- Inventorying lab chemicals and equipment
- Creating and casting gel for electrophoresis
- Calibrating and using spectrophotometer to analyze samples

Activities

- Treasurer, Agronomy-Soils Club, October 2015 - Present
- Member, Organic Sustainable Agriculture Club, January 2013 - Present

Certifications

- FNGLA Horticulture Professional Certification, 2012

References

- Ryan Dickson, UF Graduate Student, rdickson@ufl.edu , (772)-342-0731