

Salvador Ramirez II

Education

- University of Nebraska—Lincoln** 2013-present
- Doctor of Plant Health Program
- University of Nebraska—Lincoln** 2014-present
- Masters of Science, Agronomy
- University of California Riverside** 2008-2013
- B.S. in Environmental Science, Concentration in Environmental Toxicology

Research Experience

- Department of Agronomy, University of Nebraska—Lincoln; Dr. Rhae Drijber** 2013-present
- Graduate Researcher
 - The purpose of my research with Dr. Rhae Drijber and Dr. John Lindquist is to characterize the impact of three different agroecosystems on soil health, and specifically, soil microbial communities. The first agroecosystem employs cover crops as an ecological weed management strategy in an organic system. The second is a conventional system in which variable rates of corn stover is removed under concurrent tillage. The third is a conventional system in which we are investigating the impact of increasing crop rotation diversity under variable rates of nitrogen fertilization.
- Department of Botany & Plant Sciences, University of California Riverside; Dr. Sean Cutler** 2011-2013
- Undergraduate Researcher
 - The goal of my research in Dr. Sean Cutler's laboratory is to better understand the mechanisms and receptors involved in the abscisic acid (ABA) signal transduction pathway through the analysis of transgenic *Arabidopsis thaliana* plants, transformed using *Agrobacterium* biotransformation.
- Department of Earth Sciences, University of California Riverside; Dr. Gordon Love** 2009-2010
- Undergraduate Researcher
 - The goal of my research in Dr. Gordon Love's laboratory was to better understand the stable chemical composition of the environment and the organisms present during the mid-Proterozoic era through the analysis of 1.64 Ga biomarkers using a metastable reaction monitoring gas chromatography-mass spectrometer (MRM GC-MS).

Internship Experience

- West Central Research and Extension Center, North Platte, NE** June-September 2013
- Field Research Assistant
 - My responsibilities during this internship included understanding the different research projects carried out in the extension center and helping with them in any way asked. For example, I became certified to use a neutron probe, and was responsible for taking probe measurements of the various test plots.

Awards & Grants

- American Phytopathological Society Browning Plant Medicine and Health Travel Award January 2017
- ASA, CSSA, SSSA Annual Graduate Student Leadership Conference November 2016
- David H. & Annie E. Larrick Student Travel Fund October 6, 2016
- High Plains OCIA of Nebraska Inc. Scholarship July 15, 2016
- Earle S. Raun Fellowship Award April 29, 2016
- American Society of Agronomy, Crop Science Society of America and Soil Science Society of America Future Leaders in Science Award March 14, 2016
- Earle S. Raun Fellowship Award April 28, 2015
- North Central Weed Science Society Weed Contest; 2nd place, undergraduate division July 2013
- CAMP Statewide Symposium; Special Merit February 2013
- CAMP Statewide Symposium; Honorable Mention February 2012

- CAMP Summer Research Stipend Summer 2012
- CAMP Quarterly Research Stipend 2011-2012
- CAMP Summer Research Stipend Summer 2011
- STEM Quarterly Research Stipend 2010-2011
- STEM Summer Research Stipend Summer 2010

Teaching Assistant Experience

AGRO 366: Soil Nutrient Relationships

Spring 2017

- Teaching Assistant

The teaching assistant is responsible for leading soil science lab. These labs each cover the various aspects of soil fertility, and the teaching assistant is tasked with sharing personal experience the with various soil physical, chemical, biological soil quality indicators.

SCIL 101: Science and Decision-Making for a Complex World

Fall 2016

- Learning Assistant

The learning assistant is responsible planning and creating discussions investigating the socioscientific issues related to food, fuel, land and water systems in Nebraska, while teaching students how to access and evaluate popular and scientific media in an attempt to have students engage in science informed decision-making.

AGRO 426: Invasive Species

Spring 2015 and 2016

- Laboratory Teaching Assistant

The laboratory teaching assistant is responsible for planting the weeds to be used during lecture and during tests, planting the weeds and spraying them with herbicide to simulate herbicide damage to be used in the laboratory for teaching and testing, and preparing the laboratory lectures. Lectures included 10-12 weed species and respective identifying characteristics.

NRES 103: Introduction to Agricultural and Natural Resource Systems

Fall 2015

- Learning Assistant

The learning assistant is responsible planning and creating discussions investigating the socioscientific issues related to food, fuel, land and water systems in Nebraska, while teaching students how to access and evaluate popular and scientific media in an attempt to have students engage in science informed decision-making.

Professional Meetings Presentations and Abstracts

The Impact of Corn Stover Removal on Soil Microbial Communities in No-till and Conventional till Continuous Corn.

November 2016

- Resilience Emerging from Scarcity and Abundance.
ASA CSSA SSSA 2016 International Meetings, Phoenix, AZ November 6-9.

The Impact of Increasing Diversity of Crop Rotations on Soil Microbial Communities Under Variable Rates of Nitrogen Fertilization.

November 2016

- Resilience Emerging from Scarcity and Abundance.
ASA CSSA SSSA 2016 International Meetings, Phoenix, AZ November 6-9.

The Impact of Increasing Diversity of Crop Rotations on Soil Microbial Communities.

November 2016

- Resilience Emerging from Scarcity and Abundance.
ASA CSSA SSSA 2016 International Meetings, Phoenix, AZ November 6-9.

The Impact of Corn Stover Removal on Soil Microbial Community Composition in a Long Term, Irrigated Continuous Corn Production System.

November 2015

- Synergy in Science: Partnering for Solutions.
ASA CSSA SSSA 2015 International Meetings, Minneapolis, MN November 15-18.

Clubs and Organization Memberships

Science Communications and its Impact on Policy, Literacy and Education (SCImPLE)

August 2016-Present

- Member

Agronomy & Horticulture Graduate Student Association

August 2014-Present

- Member

Plant Health Club

August 2014-Present

- Association of Students of the University of Nebraska (ASUN) Liaison

Graduate Student Association, University of Nebraska—Lincoln

May 2013-May 2015

- Representative for Plant Health

California Alliance for Minority Participation (CAMP); University of California, Riverside

2010-2013

- Treasurer, President

UCR Rugby Football Club; University of California, Riverside

2009-2011

- Match Secretary, Backs Captain

Work Experience

UCR Housing, 3595 Canyon Crest Drive, Riverside, CA 92507

2010-2013

- Resident Advisor
- Resident Advisors play an integral role in establishing a community environment conducive to maximum academic, personal, and social development. The RA enforces the rules and policies of the HDRS and the University, while serving as a positive role model to residents and peer staff members. Skills required for this position include programming, leadership, administrative and communication skills.

UCR Fund, 257-A Highlander Hall, Riverside, CA 92507

2009-2010

- Student Telefund Caller
- The role of a student UCR telefund caller is to serve as a representative of UC Riverside by calling a data pool of UCR alumni, UCR student parents, and friends of the university in an attempt to fundraise for the university. Skills required for this position include data entry skills and rapport skills.

Languages

Spanish

- Native language

English

- Speak fluently and read/write with high proficiency

Arabic

- Speak, read and write with basic competence