



Adriana Fernanda Soria Garcia

Date of birth: 01/03/1998 | **Nationality:** Bolivian | **Phone number:**

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WORK EXPERIENCE

06/2022 – 09/2023 Padova, Italy

GENETICS LABORATORY INTERNSHIP DEPARTMENT OF AGRONOMY, FOOD, NATURAL RESOURCES, ANIMALS AND ENVIRONMENT, UNIVERSITY OF PADOVA

- Extraction, transfection and regeneration of protoplasts in *Solanaceae* species, specifically in tomato, for the induction of a site-specific mutagenesis mediated by CRISPR-Cas9.
- *Skills developed in the research activity:*
- Extraction of total DNA and RNA from different horticultural crops by commercial kits and/or manual methods.
- Gene expression analysis by real-time RT-qPCR.
- Use of software, BLAST, MEGA 5, ClustalW, for bioinformatic data analysis.
- Transfection, reporter assay, cell counting (haemocytometer), fluorescent microscopy analysis.
- In vitro culture propagation from different horticultural crops.

09/2019 – 03/2020 Cochabamba, Bolivia

PLANT BIOTECHNOLOGY LABORATORY INTERNSHIP UNIVERSIDAD MAYOR DE SAN SIMON

- Internship in micropropagation and in vitro plant culture of *Solanum tuberosum*, *Opuntia ficus indica*.
- Responsible of project for the andean Cyanobacterias *Nostoc verrucosum* and *Nostoc sphericum* culture in controlled conditions.

07/2019 – 12/2019 Cochabamba, Bolivia

DEPARTMENT OF AGROINDUSTRIAL TECHNOLOGY INTERNSHIP UNIVERSIDAD MAYOR DE SAN SIMON

- Internship at the UMSS dairy plant.
- Responsible of the Cheese production section.

03/2019 – 07/2019 Tacna, Peru

PRE PROFESSIONAL INTERNSHIP IN THE OLIVE INDUSTRY SECTOR FUNDO AMIR S.A.

- Agro Industrial Advisor, section of Production and Marketing.

EDUCATION AND TRAINING

09/2021 – 09/2023 Padova, Italy

MASTER'S DEGREE IN SUSTAINABLE AGRICULTURE University of Padova

Website www.unipd.it | **Field of study** Plant breeding | **Final grade** 109/110 |

Thesis " First insights to Solycmyb80 candidate gene for the induction of male sterility in tomato through new precision breeding techniques"

10/2022 – 02/2023 Gottingen, Germany

EXCHANGE STUDENT ERASMUS PROGRAM University of Gottingen

Website <https://www.uni-goettingen.de/en/1.html>

03/2016 – 03/2021 Cochabamba, Bolivia

BACHELOR'S DEGREE IN AGROINDUSTRIAL ENGINEERING Universidad Mayor de San Simon

Website <https://www.upt.edu.pe/upt/web/index.php>

02/2009 – 11/2015 Cochabamba, Bolivia
BACHELOR OF HUMANITIES Colegio Secundario San Agustin

● LANGUAGE SKILLS

Mother tongue(s): **SPANISH**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C1	C1	C1	C1	C1
GERMAN	B1	B1	B1	B1	B1
ITALIAN	C1	C1	C1	C1	B2

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● DIGITAL SKILLS

Microsoft Office | RStudio | SAS statistics

● ADDITIONAL INFORMATION

PUBLICATIONS

“Implementation of precision breeding techniques for male sterility induction in Solanaceae model species” – 2023

Participation as co-author of the poster “Implementation of precision breeding techniques for male sterility induction in *Solanaceae* model species” at the 66th SIGA congress.

Farinati, Soria, Betto, Palumbo, Vanzozi, Barcaccia

“MIK2 is the candidate female determinant of the sporophytic self incompatibility (SSI) locus in the chicory (*Cichorium intybus*, Asteraceae)”

– 2023

Participation as co-author of the poster “MIK2 is the candidate female determinant of the sporophytic self incompatibility (SSI) locus in the chicory (*Cichorium intybus*, Asteraceae)” at the 66th SIGA congress.

Draga, Palumbo, Magon, Gabelli, Vannozi, Soria, Farinati, Scariolo, Lucchin, Barcaccia

“Developing a protocol to isolate transcription factors bound to a specific DNA locus from the extracted chromatin of grapevine protoplasts using CRISPR-dCas9 system”

– 2023

Participation as co-author of the poster “Developing a protocol to isolate transcription factors bound to a specific DNA locus from the extracted chromatin of grapevine protoplasts using CRISPR-dCas9 system” at the 66th SIGA congress.

Devillars, Bertini, Fattorini, Rizzato, Soria, Farinati, Zenoni, Vanzozi

CONFERENCES AND SEMINARS

09/2021 – Illinois, USA

SISE Fellow, Summer Institute on Sustainability and Energy. University of Illinois in Chicago (UIC)

02/2021 – On line

10th edition of the Ibero-American Congress of Marine Resources and Aquaculture (FIRMA) 2021 Panelist representing Bolivia, topic “Determination of Cultivation and Management Conditions by *Nostoc verrucosum* (Vaucher)”.

Link <https://www.firmaonline.org/>

09/11/2020 – 13/11/2020 – Cochabamba, Bolivia

Cycle of virtual workshops “Mi Huerto” Panelist representing SOCEA-UMSS, topic “Importance of composting and making organic Fertilizers”.

11/2020

Cycle of virtual workshops "Bolivia, Ecology and Recycling" Trainer for children aged 5 to 8 from La Salle school, regarding "Bolivia, ecology, and the importance of recycling."

01/07/2019 – Tacna, Peru

Certificate Agro industrial research project contest – University Private of Tacna Recognition by the formulation and elaboration of Andean Passifloras liquor

12/2018 – Munich, Germany

Goethe Institut Language Scholarship holder

HONOURS AND AWARDS

2019

Diploma of Academic Recognition – Universidad Mayor de San Simon Recognition of Academic Excellence during Bachelors degree

09/2014

First place in the IV National Student Biology Olympiad – Ministry of Education, Plurinational State of Bolivia

OTHER CONFERENCES AND SEMINARS

27/03/2023

QIAcube HT Applications Training - Qiagen

Write here the description...

11/2020

"Training for preparation, control and monitoring of solutions in hydroponic crops" Hanna Instruments

09/2020 – 11/2020

Cycle of virtual workshops "Challenge yourself for the planet" Catholic University of Bolivia

24/08/2020 – 28/08/2020

II Meeting of the Glocal Network on Food Sustainability and Knowledge Dialogue for Latin America and the Caribbean

05/2020 – 06/2020

"Introduction to Algae"- University of California San Diego

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04/2020 – 06/2020

"Management of food and beverage companies"- Universita di Bocconi

09/05/2019 – 20/05/2019

"Innovate Perú" International Forum Trends and Challenges for the development of the Olivícola sector

24/07/2018 – 25/07/2018

Univalle, International Days of Updating in Food Industries

07/09/2017 – 08/09/2017

Academic Conference in Agricultural Sciences. UMSS

06/2016

Workshop "Transgenics in Bolivia vs. Food safety"

RECOMMENDATIONS

Ph.D. Melicio Siles Professor Experimental Designs and Plant Breeding

- Ph.D. University of Nebraska-Lincoln
- Major in Genetics and plant breeding, Minor in statistics
- Researcher Plant Breeding and Seed Production Center of Pairumani

Email m.siles@umss.edu.bo | **Phone** (+591) 70771017

M. Sc. Jose Gino Aguirre Responsible of the Laboratory of Biotechnology

- Head of the Plant Biotechnology Laboratory
- Master in vitro Cultures, Gembloux University Faculty of Agronomic Sciences
- Responsible for hydroponic crop section

Email g.aguirre@umss.edu.bo | **Phone** (+591) 70714156

Prof. Dr. Nils Stein Genomics of Genetic Resources, Leibniz Institute of Plant Genetics and Crop Plant Research (IPK)

- Prof. of Genomics of Plant Genetic Resources University of Gottingen
- [Leibniz Institut of Plant Genetics and Crop Plant Research \(IPK\)](#)

Email stein@ipk-gatersleben.de | **Phone** (+49) 394825522
