



Stefano Buratti

PhD Student in Molecular and Cellular Biology



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WORK EXPERIENCE

PhD degree

University of Milan

11/2020 – Current Position

Milan

PhD project : “Harnessing the new emerging imaging technologies to uncover the role of Ca²⁺ signaling in plant nutrient homeostasis”.

Medical Writer Intern

McCann Health Italy

01/2020 – 10/2020

Milan

My duties as an intern included the **organization of Scientific Events**, researching and understanding the customer demands and offering a creative project strategy, contacting and coordinating the Faculty and the Speakers and write, review and edit Scientific Medical Writing (clinical studies, papers).

EDUCATION

Master’s degree in "Molecular Biology of the Cell"

University of Milan

02/10/2017 – 16/10/2019 MARK: 110/110, with honours

Milan

Thesis Internship (03/10/2018-04/10/2019). Thesis project: “Functional characterization of *ALOG* gene family components in *Arabidopsis thaliana* and *Oryza sativa*”.

Bachelor’s degree in Biological Sciences

University of Milan

01/10/2014 – 18/07/2017

Milan

High School Degree as Chemical and Biological Technician

IISS Giuseppe Torno

07/09/2009 – 05/07/2014

Castano Primo (MI)

LANGUAGE PROFICIENCY

Italian: *Native*

English: *Professional*

DIGITAL SKILLS

Experienced with the Office Suite, Image processing programs (ImageJ and GIMP), Morphological and Phenotypic analyses programs (SmartGRAIN and P-TRAP), Technical Design (AutoCAD) and Three-dimensional Design (Autodesk Fusion). Base level proficiency with C++ programming language and Intermediate proficiency in Electronics.

TECHNICAL SKILLS

Molecular Biology

Proficient in Genomics and Transcriptomics skills: DNA and RNA extraction, UV-Vis spectroscopy analysis, PCR, RT-PCR, qRT-PCR, in-situ hybridization and cloning.

Plant Culture

Experience in plant model organisms (*Arabidopsis thaliana* and *Oryza sativa*) growth and development and successive analyses. Skilful in Greenhouses and Phytotrons management and related phytosanitary treatments.

Cell Biology and Microbiology

Adept in cell cultures (*Escherichia coli* e *Agrobacterium tumefaciens*) and related techniques: Competence Acquisition, Bacterial Transformation, Plant Infection.

Skilled in Histological analyses (tissue extraction, paraffin-based inclusion, microtome cutting, slides preparation and treatment, histochemical and immunohistochemical staining) and Microscopy (Bright field, Phase contrast and Fluorescence).

HOBBIES

Advanced proficiency with 3D FDM printing and Materials Processing (Wood, Plastic, Metals and Resins). Able to design and produce small Electronical Devices based on Arduino open source technology.

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