

## **PAOLA PAGANO - CURRICULUM VITAE**

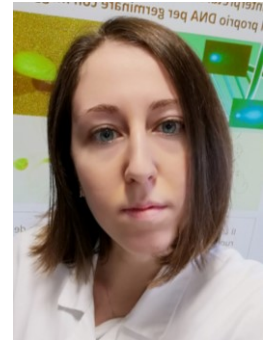
### **PAOLA PAGANO**

Born in Milan (Italy), March 24<sup>th</sup>, 1996

Nationality: Italian

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### **EDUCATION**

**10/2018 – 09/2020.** Master Degree in Advanced Biotechnology (EQF level 7), University of Pavia (Italy). Thesis: “*Seed priming and genotoxic stress: ultrastructural and molecular aspects*”. Final score: 110/110 cum laude.

**07/2015 – 09/2018.** Bachelor Degree in Biotechnology (EQF level 6), University of Pavia (Italy). Thesis: “*Nanotechnologies applied to agriculture: seed priming with nanomaterials*”. Final score: 109/110.

### **CURRENT POSITION**

**01/10/2020 – present.** PhD program in Genetics, Molecular and Cellular biology at the Department of Biology and Biotechnology ‘L. Spallanzani’, University of Pavia (Italy). PI: Prof. Alma Balestrazzi. Research topic: the research project focuses on the molecular mechanisms involved in maintaining genome integrity during post-priming desiccation in the model legume *Medicago truncatula*.

### **LANGUAGES**

Italian: native

English: good level

### **TECHNICAL SKILLS**

**Molecular Biology and Bioinformatics:** extraction and purification of nucleic acids, PCR techniques (standard, quantitative). Database mining, oligonucleotide design, sequence alignment tools, statistical analysis.

**Cell Biology and Plant Biotechnology:** *in situ* ROS detection, use of fluorescent probes (2',7'-dichlorofluorescein diacetate), Comet assay.

**Seed Technology:** germination tests/parameters, phenotyping at the seed/seedling level, biomass quantification, seed priming.

## **PUBLIC ENGAGEMENT WITH SCIENCE**

**Crowdfunding initiatives** (<https://universitiamo.eu/it/campaigns/the-other-side-of-the-seed>), **2018-2019**.

**'Trees in tubes - Plant Biology Experimental Lab for Kids'**. In the frame of the 'UniversalMente' project sponsored by University of Pavia and local Chamber of Commerce at 'Autunno Pavese' ([www.autunnopavesedoc.it](http://www.autunnopavesedoc.it)). Pavia, September 22<sup>nd</sup>-25<sup>th</sup>, **2017**.

**European Biotech Week** ([www.biotechweek.org](http://www.biotechweek.org)). **'Scienziati in prova'**: Plant Biology Experimental Lab (*Agrobacterium tumefaciens*-mediated genetic transformation of spinach) at the Department of Biology and Biotechnology 'L. Spallanzani. Pavia, September 29<sup>th</sup>, **2017**.

## **COMMUNICATIONS TO INTERNATIONAL CONGRESSES**

Pagano A, Zannino L, Biggiogera M, Galeotti E., **Pagano P**, Macovei A, de Sousa Araújo S, Balestrazzi A. How do seeds respond to post-priming desiccation? Exploring DNA damage response and mapping chromatin accessibility in *Medicago truncatula*. Virtual Workshop "Plant Genomes in a Changing Environment", October 12-14, 2020.

Pavia, October 21<sup>th</sup>, 2020

Paola Pagano