

## Alma Balestrazzi - Curriculum Vitae

**Current position.** Associate Professor in Plant Physiology - Department of Biology and Biotechnology (DBB) - University of Pavia.

**2000-2014.** Researcher at the Department of Biology and Biotechnology (DBB) - University of Pavia.

**1996-1998.** Post-Doctor Long-Term Fellowship at the University of Pavia.

**1994.** PhD Degree in Genetics and Molecular Biology - University of Pavia. Awarded by a Long-Term fellowship from the National Research Council.

**1991.** EMBO Short-Term Fellowship - "John Innes" Centre for Plant Science Research, Norwich, UK). Guest Scientist Contract sponsored by the European Community.

**1985.** Degree with honours in Biology - University of Pavia.

Co-author of 87 papers *in extenso*, published on international journals peer-reviewed, 8 articles on books and 130 communications to International and National Congresses.

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Reviewer activity for several international peer-review journals. Reviewer activity for Grant Evaluation for several International Institutions. ERC Evaluator. Membership: International Association for Plant and Cell Tissue Culture & Biotechnology (IAPTC&B), Italian Society of Plant Biology, Federation of European Societies of Plant Biology (FESPB), Italian Society of Horticulture.

### **Editorial Activity**

**2017.** Topic Editor. Genes - Special Issue "DNA Damage Responses in Plants", Section "Plant Genetics and Genomics". Topic Editors: A. Balestrazzi, M. Donà, Susana Araujo. **2016.** Book Editor. *New Challenges in Seed Biology: Basic and Translational Research Driving Seed Technology* - A Balestrazzi & S. Araujo (Eds), InTech ([www.intechopen.com](http://www.intechopen.com)). ISBN 978-953-51-2659-1. **2014-2015.** Topic Editor. Frontiers in Plant Science - Research Topic: *Maintenance of genome integrity: DNA damage sensing, signaling and repair and replication in plants*. Topic Editors: A Balestrazzi, VMM Achary, A. Macovei, KO Yoshiyama, AN Sakamoto. **From 2016.** Associate Editor - Frontiers in Plant Science - Crop Science and Horticulture (<http://journal.frontiers.org/journal/plant-science#editorial-board>).

Member of the COST Action CM1201 (Biomimetic Radical Chemistry) (2012-2016), WG2-Models of DNA damage and consequences.

Member of the COST Action FA1306 (The Quest for Tolerant and Stable Varieties - Phenotyping at Plant and Cellular Level) 2013-2017, WG2-Phenotyping at cell level

### **Research grants**

- Seed wake-up with aptamers: a new technology for dormancy release and improved seed priming strategy (WAKE-APT) (2017-2019) Sponsored by Fondazione CARIPLO. Head of Research Unit.
- Unraveling post-transcriptional regulation of seed development in common bean. Fundação para a Ciência e Tecnologia Post-Doctoral grant application (2016-2018). Joint project ITQB-New University of Lisbon (Portugal) and DBB-UNIPV. Co-supervision of research activity.
- Advanced Priming Technologies for the Lombardy Agro-Seed Industry-PRIMTECH. Integrated research project sponsored by Lombardy Region and CARIPLO Fondazione CARIPLO (2013-2015). Project Coordinator.
- The Native Seed Science, Technology and Conservation Initial Training Network - NASSTEC. Marie Curie Initial Training Networks (2013-2016). PhD management.

- Conservation, characterisation and induction variability in rose in order to optimize breeding - MUTROS. Research project sponsored by the Italian Ministry of Agriculture-MPAAF (2011-2012). National Coordinator.
- Oxidative stress and nucleus: molecular and cellular analyses in model plants (*Populus alba*, *Medicago truncatula*). Research project sponsored by Fondo di Ateneo per la Ricerca (Università degli Studi di Pavia). Head of Research Unit.
- Oxidative stress and nucleus: an investigation on *Tdp1* (Tyrosil-DNA phosphodiesterase) gene and its roles in DNA repair. Progetto di ricerca finanziato MIUR (2004-2006). Head of Research Unit.
- Evaluation of traits expressed in GM poplar lines and their impact on environment. Research project sponsored by Lombardy Region (2003-2006). Head of Task.

### **Teaching activity**

#### **Bachelor and Master Degrees.**

1997/1998. Plant Biotechnology, University of Ferrara. 2001/2004. Plant Biotechnology, University of Pavia. 2005/2007. Plant Biotechnology and Plant Physiology, University of Pavia. Plant Molecular Physiology, University of Modena and Reggio Emilia. 2007/2010. Plant Physiology, University of Pavia. 2009/2016. Molecular Techniques for the Conservation of Biodiversity, University of Pavia. 2014/2016. Plant Molecular Biology and Biotechnology, University of Pavia. 2015/2016. Applied Plant Molecular Techniques and Laboratory, University of Pavia.

#### **PhD.**

2008-2017. Doctorate program in Genetics, Molecular and Cellular Biology, University of Pavia - Member of the Proponents Board, PhD thesis supervision.

#### External Supervisor

From 2015. International PhD Plants for Life ITQB-Nuova Università di Lisbona (Oeiras-Portogallo), progetto PD/BD/13474/2015. "*Unraveling seed development in *Phaseolus vulgaris* L.*". PhD student: José Salvado.

#### External Referee

2014. PhD Program of the Faculty of Life Science (Biotechnology), Guru Nanak Dev University, Amritsar (Punjab), India.

2012. PhD Program of the Faculty of Life Science, Guru Nanak Dev University, Amritsar (Punjab), India.