**SCIENTIFIC CV**

* Academic research training / work experience

2014-present - Post-doctoral researcher in Plant physiology at the Sant’Anna School of Advanced Studies, Plantlab (Pisa). Supervisors: Prof. Pierdomenico Perata and Prof. Francesco Licausi. Research topic: investigation and biotechnological applications of plant oxygen sensing pathways.

2015-2016 – Lecturer in Synthetic biology at the Sant’Anna School of Advanced Studies (Pisa).

2012-2013 - Post-doctoral fellow in Crop genetics at the Accademia Nazionale dei Lincei (Rome). Supervisor: Prof. Amedeo Alpi.

2010-2012 - Post-doctoral researcher in Plant physiology at the Sant’Anna School of Advanced Studies, Plantlab (Pisa). Supervisor: Prof. Pierdomenico Perata. Research topic: molecular mechanisms of plant adaptation to hypoxia.

2007-2010 - PhD in Molecular Biotechnologies awarded by the University of Pisa on 19/03/2010. Doctoral dissertation: "Molecular characterization of At3g10040, a low oxygen responsive gene of Arabidopsis thaliana". Project carried out taking advantage of collaborations with the following research groups: Max Planck Institute for Molecular Plant Physiology (Potsdam, Golm), prof. P. Geigenberger; RWTH Aachen University, prof. J. T. van Dongen; UC Riverside, prof. J. Bailey-Serres.

* Education

2004-2006 – Master in Plant and Microbial Biotechnologies, University of Pisa, Faculty of Agriculture. Master thesis defended on 17/10/2006, cum laude.

2001-2004 - Bachelor in Agro-industrial Biotechnologies, University of Pisa, Faculty of Agriculture. Bachelor thesis defended on 17/12/2004, cum laude.

2001-2006 - Undergraduate student in Agricultural Sciences and Plant Biotechnology at the Sant’Anna School of Advanced Studies (Pisa). Diploma awarded in 2007, cum laude.