

SILVIO COLLANI

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Work address

Department for Sustainable Development and Ecological Transition (DISSTE)
University of Eastern Piedmont
Piazza Sant'Eusebio 5, 13100, Vercelli (Italy)

Education

- 2012: PhD in Plant Biotechnology, University of Padova, Italy
- 2008: MSc cum laude in Plant and Environmental Biotechnology, University of Perugia, Italy
- 2006: BSc cum laude in Biotechnology, University of Perugia, Italy

Professional experience

- Jul 2024 - Present: Assistant Professor in Molecular Biology. University of Eastern Piedmont, Italy
- Oct 2017 - Jun 2024: Researcher. Umeå University, Sweden
- Oct 2015 - Sep 2017: Postdoctoral Research Fellow. Umeå University, Sweden
- Oct 2012 - Sep 2015: Postdoctoral Research Fellow. Max Planck Institute for Developmental Biology of Tübingen, Germany
- Jan 2009 - Apr 2012: PhD student. University of Padova, Italy
- Nov 2010 - Jul 2011: Visiting Research Fellow. Harvard University, USA
- May 2010 - Aug 2010: Visiting Research Fellow. Wageningen University, The Netherlands
- Sep 2008 - Feb 2009: Graduate Research Fellow. Molecular Biology Institute of Barcelona, Spain
- Sep 2006 - Jan 2007: Erasmus student. KVL University in Copenhagen, Denmark
- 2001 - 2003: Research assistant. Forestry Research Centre in Arezzo, Italy

Research activities

- Scientific interest: protein-protein interactions, interaction host-pathogens and host-PGPB, flowering, synthetic biology, gene editing, plant hormones.
- ORCID n°: <https://orcid.org/0000-0002-9603-0882>
- Google scholar: <https://scholar.google.com/citations?user=b1QMEFkAAAAJ&hl=en&oi=ao>
- Scopus: <https://www.scopus.com/authid/detail.uri?authorId=35228529000>

National Scientific Habilitations

- National Scientific Qualification as Associate Professor issued by Italian Ministry of Education, Universities and Research (MUR) in:
 - Molecular Biology (February 2023, field 05/E2)
 - Genetics (February 2023, fields 05/I1)
 - Agricultural Chemistry, Agricultural Genetics and Pedology (January 2023, field 07/E1)
 - Plant Physiology (January 2021, field 05/A2)
 - Botany (May 2021, field 05/A1)

Awards and fellowships

- 2013 - 2015: Alexander von Humboldt postdoctoral fellowship
- 2012 - 2013: Max Planck postdoctoral fellowship
- 2009 - 2011: PhD Ministerial fellowship
- 2009: SIGA award 2009, Italian Society of Agricultural Genetics
- 2008 - 2009: "Leonardo da Vinci" fellowship: "UniPharma Graduates 4" project, University "La Sapienza", Roma, Italy
- 2006 - 2007: "Erasmus" fellowship, University of Perugia, Italy

Membership to Societies and Foundations

- 2025 - Present: Member of the Italian Society of Agricultural Genetics (SIGA)
- 2021 - 2024: Member of the Scandinavian Plant Physiology Society (SPPS)
- 2013 - Present: Member of the Alexander von Humboldt Foundation's Network

Teaching and supervision experience

- Pedagogical training
 - 2023: Completed "Basics in Higher Education Pedagogy" (200 hours), Umeå University, Sweden.
 - 2022: Completed "New as a University teacher" (30 hours), Umeå University, Sweden.
- Courses and seminars
 - 2025 - Present: Lead Instructor, "Molecular Biology I". Bachelor's Degree in Biological Sciences (2nd year).
 - 2025: Lead Instructor, "Introduction to Advanced Molecular Biology Techniques". PhD in Chemistry and Biology.
 - 2023: Lecturer, Master's Course in "Plant Biotechnology and Molecular Breeding". Responsible for the "Genome editing in plant biotechnology" module within the "Synthetic Biology" section.
 - 2022: Teaching Assistant, Master's Course in "Plant Growth and Development". Responsible for the practical section: "Phenotyping floral homeotic mutants and gene regulation".
 - 2020: Invited Speaker, University of Milan, Department of Biosciences. Seminar title: "Flowering time in Arabidopsis thaliana: a glance at the future".
- Graduate committee service
 - 2024 - Present: PhD Thesis Advisory Committee, University of Milan.
- Student supervision and mentoring
 - 2025 - Present: Thesis supervisor for 12 Bachelor's Degree students in "Biological Sciences".
 - 2014 - 2019: Laboratory supervisor for 6 PhD students and postdocs.
 - 2009 - 2017: Co-supervisor for 3 Master's Degree students.

Patents and technology transfer

- Patent: Identification of (poly)peptide-(poly)peptide interactions. Swedish Patent Gazette n° 2025/24: No. 547 227 (published: 2025.06.10).
- International patent application: Identification of (poly)peptide-(poly)peptide interactions. Publication No. WO 2025/090001 A1 (published: 2025.05.01).