

Giulia Barbieri

EDUCATION

- 2011 PhD in Genetic and Biomolecular Sciences, Doctoral School in Life Sciences “Camillo Golgi”, University of Pavia.
Thesis title: Silencing of cellular prion protein (PrPC) expression induces autophagy-dependent cell death in glioma cells.
Scientific supervisor: Dr. S. Comincini.
- 2008 Diploma from the Institute for Advanced Study (IUSS) of Pavia.
- 2007 Master degree in Experimental and Applied Biology, University of Pavia.
Final grade: 100/100 cum laude
- 2005 Bachelor degree in Biological Sciences, University of Pavia.
Final grade: 100/100 cum laude

CURRENT POSITION

- 06.2019 – present Researcher in Genetics (contract RTD –type A, SSD BIO/18) at the Department of Biology and Biotechnology, University of Pavia

WORK EXPERIENCE

- 11.2017 – 05.2019 Research fellow in the laboratory of Microbial Molecular Genetics, Department of Biology and Biotechnology, University of Pavia.
Head of the laboratory: Prof. Albertini.
Research topics:
07.2018 – 05.2019: “Analysis of the role of the transcriptional regulator CodY in Group B *Streptococcus* neonatal meningitis”
11.2017 – 06.2018: “Screening and optimization of the expression of larvicide compounds of microbial origin active against *Ae. albopictus* (Asian tiger mosquito)”
- 06.2011 – 10.2017 Postdoc in the laboratory of Microbial Molecular Genetics, Department of Biology and Biotechnology, University of Pavia.
Head of the laboratory: Prof. Albertini.
Research topics:
11.2015 – 10.2017 “Identification of biopesticides of bacterial origin for the biological control of *Ae. albopictus*”
06.2014 – 10.2015 “Regulation of gene expression in *Bacillus* during stationary phase of growth”.
06.2011 – 05.2014 “*Bacillus* evolution engineering via protoplast fusion and genome shuffling: creating hybrid strains for secondary metabolites production”
- 09.2012 – 01.2013 “Short term visiting research scholar” in the laboratory of Professor Abraham L. Sonenshein, Department of Molecular Biology and Microbiology, Tufts University School of Medicine, Boston (Massachusetts, USA).
- 11.2010 – 04.2011 Research fellowship funded by the University of Pavia.
Research subject: “Autophagy induction in human glial tumor cells”.
Scientific supervisor: Dr. Sergio Comincini.

TEACHING ACTIVITY

- 2019 - present "Genetics and microbial biotechnology", (3CFU) Master level degree in Advanced Biotechnology, SSD BIO/18 - Genetics, University of Pavia.
- 2014 – 2017 Lecture on the topic "Next generation sequencing: techniques and applications" for the courses of Molecular Genetics (Bachelor level degree in Biotechnology) and Fundamentals of Biology and Genetics – Human genetics module (Bachelor degree in Bioengineering), University of Pavia. Titolare dei corsi: Prof.ssa Alessandra Albertini.
- Since 2011 - Teaching assistant ("Cultore della materia") for the course of "Genetics and microbial biotechnology", Master level degree in Advanced Biotechnology, SSD BIO/18 - Genetics, University of Pavia.
- 2011 – 2015 Teaching assistant ("Cultore della materia") for the courses of "Molecular genetics, immunogenetics and immunology" (Bachelor level degree in Biotechnology) and "Microbial Genetics and biotechnology" (Master level degree in Industrial Biotechnology), University of Pavia.
- 2009 – 2015 Supervisor of Bachelor students for the course "Integrated laboratory of experimental biology" (Bachelor level degree in Biotechnology), University of Pavia.

AWARDS

- 2010 Selected by the Scientific Review Panel of the Lindau Council as a winner of an international competition among young researchers to participate to the 60th Interdisciplinary Meeting of Nobel Laureates from June 27 to July 2, 2010, at Lindau (Germany).

COMMISSION OF TRUST

- 2020 Proponent of the PhD program in "Genetics, molecular and cellular biology", University of Pavia

RESEARCH FUNDING

- 2018 – 2021 Fondazione Cariplo – Project 2017-0785 "Exploring the role of the transcriptional regulator CodY in the pathogenesis of neonatal Group B streptococcal meningitis"
Role: PI
- 2018 – 2019 Università degli studi di Pavia –INROAD Grant 2018 "Coordination of Metabolism and Virulence in Group B *Streptococcus* "
Role: PI
- 2016 – 2018 Consorzio Italbiotec – Project "ERC –TRAIN: New Training Tools for Improving ERC Starting Grant Success in Lombardy"
Role: Participant

SCIENTIFIC PRODUCTION

Author (<http://orcid.org/0000-0001-6622-5876>) of 12 publications on international *peer-reviewed* indexed journals (4 as first author), 1 book chapter and 23 communications to national and international congresses (3 of which selected for oral presentation).
h-index scopus: 8 (as of April 2020)
Citations: 116 (as of April 2020)