

Valeria Bontà

Email: valeria.bonta01@universitadipavia.it

Education and training

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| 2019 - currently | <p>Ph.D in Genetic, Molecular and Cellular Biology - XXXV cicle
University of Pavia – Department of Biology and Biotechnology (Pavia, Italy)
Scientific supervisor: Prof. Cinzia Calvio
Research project: Valorisation of agroindustrial waste through <i>Bacillus subtilis</i> fermentation.</p> |
| 2018 - 2019 | <p>Master degree in <i>Molecular Biology and Genetics</i>
University of Pavia – Department of Biology e and Biotechnology (Pavia, Italy)
Experimental thesis: “Fermentation of rice straw by <i>Bacillus subtilis</i>”.
Supervisor: Prof.ssa Cinzia Calvio
Final score: 110/110 cum laude</p> |
| 2013 - 2017 | <p>Bachelor's degree in “Biological science”
University of Messina – Faculty of Science MM. FF. NN. (Messina, Italy)
Compilation thesis: “Pseudogeni: da relitti evolutivi a regolatori dell’espressione genica”
Supervisor: Maria Rosa Felice
Final score: 110/110 cum laude</p> |
| 2009 - 2013 | <p>High school leaving qualification in classical studies
at Liceo Classico Statale “Ruggero Settimo” (Caltanissetta, Italy)
Final score: 100/100</p> |

Work experiences

October 2019

Canaletto Project “Fermentation by the improved strains for PGA in semi-industrial scale. Purification and analytic characterization of the polimer extracted” in collaboration with the University of Wroclaw at Boruta-Zachem Kolor Sp. z o.o. Bydgoszcz (Polonia).

2018 - 2019

Internship for experimental thesis

University of Pavia – Department of Biology and Biotechnology (Pavia, Italy).

Laboratory of Genetics of microorganisms

Supervisor: Prof.ssa Cinzia Calvio

2017- 2018

Internship for experimental thesis

University of Pavia – Department of Molecular medicine (Pavia, Italy).

Laboratory of Biotechnology IRCCS Fondazione San Matteo (Pavia, Italy).

SKILLS

Language skills

Italian:mother tongue

English: fluent

Cambridge certification: CEFR level (B2).

Scientific skills

Nucleic acid extraction and purification, PCR, gel electrophoresis, bacteria fermentation in semi-industrial scale, Cloning, Western Blotting, transformation of *E. coli*, *Bacillus subtilis* and *Bacillus thuringiensis*.

Informatic skills

- **European Computer Driving Licence (ECDL)**
- Operating systems: Microsoft Windows, Linux, macOS.
- Programs: Microsoft Office, Excel
- Programs of molecular biology: Bioedit, Seaview, UGene, IGV, SnapGene, programs for imaging (Adobe Photoshop, GIMP).
- Database consultation: NCBI, Ensembl, UCSC, David, STRING, Gene Ontology.

Personal skills

- Ability to identify and solve problems independently;
- Natural predisposition to interpersonal relationships;
- Good ability to manage time and resources
- Good predisposition to work in multicultural environments;
- Good ability to work under pressure with tight deadline.