



# ANGELICA PELLEGRINI

*PhD student in Genetics, Molecular  
and Cellular Biology*

## CONTACT DETAILS

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 Pavia (PV)

## PUBLICATIONS

- "Barbieri Giulia, **Pellegrini Angelica**, Pietrocola Giampiero (2019). Exploring the role of the transcriptional regulator CodY in *Streptococcus agalactiae*. Presented at the *Società Italiana di Microbiologia Generale e Biotecnologie Microbiche congress- Firenze, Italia, 19-22 giugno 2019*.

- "Alfeo M J, Bertacchi G., **Pellegrini A.**, Barbieri G., Speziale P., Pietrocola G. (2019). Iron-regulated surface determinant B (IsdB) mediates *Staphylococcus aureus* adherence to vascular endothelium through von Willebrand factor (vWF). Presented at the "Staphylococcal Diseases Gordon Research Conference" congress- Castelldefels, Spagna, 4-9 Agosto 2019.

## WORK EXPERIENCES

### *Internship under the supervision of professor Giampiero Pietrocola*

Università degli studi di Pavia- Dipartimento di Medicina Molecolare, unità di Biochimica | October 2017- September 2019

- Isolation and purification of proteins (affinity chromatography, HPLC e FPLC);
- Proteins characterization (SDS-PAGE, Immunoblotting, ELISA, enzymatic assays and spectrophotometry)
- Production of recombinant proteins
- Bacterial and cellular cultures, colonies quantification and isolation, microscopic analysis of cellular cultures
- DNA extraction, cloning and transformation, agarose gel electrophoresis, PCR
- Computational analysis of data using specific programs (GraphPad Prism) and through the main bioinformatic tools (NCBI, UCSC Genome Browser, ClustalW, UniProt, Gene Atlas, PDB, PyMOL and R Studio)

### *Tutor of the "Applied Biochemistry" course for the degree in Pharmaceutical Sciences, under the supervision of the professors Giampiero Pietrocola and Simona Viglio*

Università degli studi di Pavia- Dipartimento di Scienze del Farmaco | Marzo 2019 - Luglio 2019

- Protein precipitation and colorimetric assays
- Chromatography
- DNA extraction and PCR
- Agarose gel electrophoresis
- SDS-PAGE.

## LANGUAGES

- Italian (mother language)
- English (C1)
- French (A2)

## INFORMATIC SKILLS

- Microsoft office (Word, Excel, Power Point)
- Prism-GraphPad
- R-studio

## OTHER INFORMATION

- Driving licence type B

## EDUCATION AND TRAINING

### *PhD student in Genetics, Molecular and Cellular Biology*

Università degli studi di Pavia | from 10/2019

### *Master Degree in Molecular Biology and Genetics*

Università degli studi di Pavia | 09/2019 110/110

Thesis title "*Identification and characterization of a Vitronectin-binding surface protein from Staphylococcus aureus*"

Studies included: Advanced Molecular Biology, Cellular Biochemistry, Human Molecular Genetics, Molecular Genetics, Molecular Microbiology, Plant Molecular Biology and Biotechnology, Molecular Pharmacology

### *Bachelor Degree in Biological Sciences*

Università degli studi di Bari | 03/2017 101/110

Thesis title "*La sindrome da malattia come comportamento altruistico*"

### *Scientific Diploma*

Liceo scientifico Sante Simone, Conversano | 2005-2010 100/100

Autorizzo il trattamento dei miei dati personali nel CV ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 "Codice in materia di protezione dei dati personali" e del GDPR (Regolamento UE 2016/679)