

# ANDREA BONACORSI

PhD student in "Genetics,  
Cellular and Molecular Biology"

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## CONTACT DETAILS

 andrea.bonacorsi01@  
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 Pavia

## WORK EXPERIENCES

### INTERNSHIP FOR EXPERIMENTAL THESIS, UNDER THE SUPERVISION OF DR. GIULIA BARBIERI

Università degli studi di Pavia, dipartimento di Biologia e Biotecnologie  
"Lazzaro Spallanzani" - 2019/2020

Culture and manipulation of bacterial cells. DNA and RNA extraction, purification and quantification. PCR, colony PCR and qRT-PCR. Agarose and polyacrylamide (SDS-PAGE) gel electrophoresis. Preparation of chemically competent and electrocompetent bacterial cells. Bacterial transformation. DNA digestion with restriction enzymes. Cloning and production of recombinant proteins. ELISA assay. Adhesion assay of bacterial cells on human epithelial cells.

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## OTHER SKILLS

### LANGUAGES

- Italian: mother tongue
- English: fluent

### INFORMATICS SKILLS

- ECDL Full certificate
- Operating systems:  
Windows
- Consultation of scientific  
databases

### OTHER

- B type driving licence

## EDUCATION AND TRAINING

### PHD STUDENT IN "GENETICS, CELLULAR AND MOLECULAR BIOLOGY"

Università degli studi di Pavia, dipartimento di Biologia e Biotecnologie  
"Lazzaro Spallanzani" | From october 2020

Research project: "New therapeutic treatments to fight cystic fibrosis pathogens"  
Supervisor: Prof. Silvia Buroni

### MASTER'S DEGREE IN "MOLECULAR BIOLOGY AND GENETICS"

Università degli studi di Pavia, dipartimento di Biologia e Biotecnologie  
"Lazzaro Spallanzani" | 7/2020 - Final evaluation: 110 cum laude

Thesis title: "Deletion of the gene encoding the transcriptional regulator CodY and analysis of its role in the control of cell adhesion in Streptococcus agalactiae"  
Supervisor: Dr. Giulia Barbieri

### BACHELOR'S DEGREE IN "BIOLOGICAL SCIENCES"

Università degli studi di Milano - Bicocca | 10/2017 - Final evaluation: 110 cum laude

Thesis title: "Design and synthesis of a minimal bacterial genome"  
Supervisor: Prof. Paola Branduardi

### TECHNICAL HIGH SCHOOL DIPLOMA - INDUSTRIAL CHEMISTRY

Istituto tecnico industriale statale "Ettore Molinari" - Milano | 2009/2014 - Final evaluation: 93/100