

Curriculum Vitae



Personal information

Name surname **GABRIELE TRESPIDI**
Place and date of birth Castel San Giovanni (PC) - 03/03/1991
Address Via Aldo Moro, 5 - 29011 - Borgonovo Val Tidone (PC) - Italia
Phone number 3496491946
E-mail gabriele.trespidi@gmail.com
Citizenship Italian

Education

Period November 2016
Qualification **Qualification to Biologist Profession**
University University of Pavia

Period From October 2014 to October 2016
Qualification **Master degree in Advanced Biotechnology**
University University of Pavia (Italy)
Graduation mark 110/110 cum laude
Thesis "Characterization of the cellular target of a new molecule active against *Burkholderia cenocepacia*"

Period From October 2010 to September 2013
Qualification **Bachelor degree in Biotechnology**
University University of Pavia
Graduation mark 110/110 cum laude
Thesis "Very small embryonic-like stem cells, myth or reality: review of the literature"

Period From September 2005 to June 2010
Qualification **High school degree**
School Liceo scientifico Alessandro Volta - Castel San Giovanni (PC)
Graduation mark 80/100

Professional activity

Period From October 2017
Position PhD student
Main activity Characterization of new drugs and targets in *Burkholderia cenocepacia*.
Place Laboratory of Molecular Microbiology – University of Pavia, Department of Biology and Biotechnology "L. Spallanzani"

Period From March 2017 to September 2017
Position Volunteer
Main activity Diagnostic activity: nucleic acid extraction, PCR amplification, real-time PCR, sequencing using Sanger method and pyrosequencing, in order to find mutations associated with onco-hematological disease (JAK-2, Bcl-1, Bcl-2, BCR/ABL) or to predict the response to the therapy against solid tumors (EGFR, RAS, BRAF genes);

lymphocyte clonality analysis for diagnosis and *follow-up*. Determination of genetic aberrations (amplifications, deletions, translocations) in breast and stomach cancer (Her-2 gene) or in lung cancer (ALK), using Fluorescence in situ hybridization (FISH).

Place Laboratory of Molecular Biology, O.U. Pathological anatomy - Hospital "Guglielmo da Saliceto" - Piacenza

Period From November 2016 to February 2017
 Position Pharmaceutical analysis operator
 Main activity Sample preparation and extraction of pesticides and aromatic hydrocarbons from dried extract and herbal drugs using organic solvents, purification of the sample by gel filtration chromatography and quantification of the micropollutants using mass spectrometry LC-MS/MS or GC-MS/MS. Extraction and purification of ochratoxins using immunoaffinity chromatography and subsequent quantification with LC-MS/MS.

Place LabAnalysis s.r.l. - via Europa, 5 - Casanova Lonati (PV)

Period From October 2015 to October 2016
 Position Trainee (Master degree student)
 Main activity Preparation of liquid and solid culture media, manipulation of microbial culture, DNA extraction, PCR amplification and use of genetic engineering (gene cloning in plasmids using restriction endonucleases and DNA ligase or using recombination) in order to insert exogenous genes in *E. coli* using electroporation and "heat-shock". Expression and production of recombinant proteins in *E. coli* and subsequent purification using metal ion affinity chromatography and gel filtration; polyacrylamide electrophoresis (SDS-PAGE) and coupled enzyme assay by spectrophotometer for the quantification of Km e IC₅₀.

Place Laboratory of Molecular Microbiology – University of Pavia, Department of Biology and Biotechnology "L. Spallanzani"

Publications

1. Scoffone V.C., Chiarelli L.R., **Trespidi G.**, Mentasti M., Riccardi G., Buroni S. (2017). *Burkholderia cenocepacia* infections in cystic fibrosis patients: drug resistance and therapeutic approaches. *Front Microbiol.* 8:1592.

Abstracts

1. Scoffone V.C., Fumagalli M., Spiga L., **Trespidi G.**, Chiarelli L.R., Riccardi G., Buroni S. Molecular investigations on the quorum sensing synthase CepI of *Burkholderia cenocepacia*. XXXII SIMGBM Congress, Palermo (Italy), 17th-20th September 2017.

Personal skills

Computer skills and competences

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Security	Problem solution
Intermediate	Advanced	Intermediate	Intermediate	Intermediate

- Microsoft Office competence: good.
- Digital Imaging software competence: basic.

Organizational skills Autonomous planning and carrying out of work; predisposition to respect timing and to complete the tasks with precision and accuracy.
Curiosity for new fields of interest.

Social skills Good predisposition to teamwork.

Mother tongue Italian

Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	Good	Good	Intermediate	Intermediate	Intermediate

Driving license B.

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