

FRANCESCO LONGO



Master's Degree in Medical and Pharmaceutical Biotechnology

EXPERTISE

Molecular and Cellular Biology

Analysis of DNA strand breaks; PCR (including Real-time PCR with primer design); Cloning; **Western Blot**; Immunofluorescence; Co-immunoprecipitation; Immunohistochemistry; Membrane biotinylation

Cell Culture and Experimental Techniques

Mammalian cell culture; **Primary cell culture (Human Vascular Endothelial primary cell)**; Transfection; **Organoids**, Pericytes Manipulation

Immunology and Flow Cytometry:

Isolation of lymphomonocytes and granulocytes from peripheral blood; Multicolor flow cytometry

Biotechnology and Biochemical Assays

MTT assay; LDH assay; Ames test

Regulatory Compliance

Clinical research; GxP (GCP, GMP, GLP)

Data Analysis and Computational Tools

Microsoft Excel; Data analysis; Hypothesis testing; RStudio, GraphPad Prism, Office, Visual Basic, Mysql, linux

Transferable and Soft Skills

Analytical skills and **critical thinking**; Collaboration;

Intellectual curiosity; Attention to detail;

Organizational skills; Research ethics; Diversity and inclusion, Website Management

Specialized Fields and Advanced Instrumentation

Chemical biology; Drug discovery; Life sciences; Medical research; Laboratory methodologies: Synchrotron

LANGUAGE

 Native speaker

 professional/upper intermediate



Driving Licence B

 (+39) 3914574236  francesco.longo@studenti.units.it
 Vian Sant'Anastasio 6,  [Linkedin Francesco Longo](#)
34132, Trieste, Italy

EXPERIENCE

Research Fellow

University La Sapienza of Rome – University of Trieste

Oct 2023 - present

supervisors: Prof.ssa Violetta Borelli (University of Trieste) , Prof. Alessandro Pacella (University la Sapienza Of Rome)

Field(s) of study: molecular pathology, molecular biology, Cancer Biology, Cell Biology, Molecular Oncology, Toxicology

with participation in experiments conducted at the Diamond Light Source, a UK synchrotron located at the Harwell Science and Innovation Campus in Oxfordshire.

Master's student Intern-Research Volunteer

Laboratory of Molecular Pathology, University Of Trieste, Italy

Jan 2022 - Sept 2023

supervisors: Prof. Violetta Borelli (University of Trieste) , Dr. Paola Zacchi (University of Trieste)

Field(s) of study: molecular pathology, molecular biology, Cancer Biology, Cell Biology, Molecular Oncology, Toxicology

Bachelor's Student Internship

A.R.P.A.C.A.L. , Cosenza, Italy

2018 - 2019

EDUCATION

Master's Degree in Medical Biotechnology

University Of Trieste, Italy

2020 Mar 03 - 2023 Mar 21

Field(s) of study: molecular pathology, molecular biology, Cancer Biology, Cell Biology, Molecular Oncology, Biomedical science

Final grade: 108/110 (GPA 3.9-4.0)

supervisor: Prof.ssa Violetta Borelli **co-supervisor:** Prof.ssa Paola Zacchi

Bachelor's Degree in Biological Science and Technology

University Of Calabria, Italy

2015 Sept - 2019 Apr 16

PUBLICATIONS

Functional characterization of the Hephaestin variant D568H provides novel mechanistic insights on iron-dependent asbestos-induced cancerogenicity (Submitted, International Journal of Molecular Sciences)
<https://www.preprints.org/manuscript/202502.0580/v1>

EVENTS

- *Journal club at the department of molecular pathology in trieste (13/01/25)*
- *participation in the Conference on Asbestos-Related Diseases (04/12/24)*
- *TRIM-NET Closure Meeting on June 19-20, 2023*
- *participation in the IX Regional Asbestos Conference (13/04/2022)*

- **Prof. Violetta Borelli :** *v borelli@units.it*
- **Dr. Paola Zacchi:** *p zacchi@units.it*
- **Prof. Emeritus Giuliano Zabuchi:** *giuliano.zabucchi@gmail.com / zabucchi@units.it*

According to law 679/2016 of the Regulation of the European Parliament of 27th April 2016, I hereby express my consent to process and use my data provided in this CV and application for recruiting purposes



Other work Experience

During my academic journey and still now, I also undertook various jobs to **support myself** and achieve maximum **independence**. This experience allowed me to **enhance** my **organizational, communication, time management, teamwork, and independent work** skills. Also to continue pursuing my **passions**, I still take on small seasonal jobs.

Catering Management

Head Secretary

Color fest -music festival
2024-present

Steward

NBModels
[12/2019 - 02/2020]

Illustrator (2 books)

Independent [2019 - 2020]

Waiter

Il Melograno (Naturalmente buono)
[07/2021 - 25/01/2022]

Customer service IKEA

[11/2019 - 12/2019]

Children's entertainer at IKEA

12/2019 - 02/2020]

Waiter

CGM group
[12/04/2019 - 31/08/2019]

VOLUNTEERING

Volunteering at Color Fest

2022 - 2023

Volunteer in logistics and stage setup at the Color Fest music festival.

volunteering at "Casa Alzal"

2013 - 2015

Volunteering in the "Alzal house" facility for Alzheimer's patients and elderly people with dementia.

volunteering at "Il Girasole"

2013 - 2015

Volunteer in the association "Il Girasole", summer animator for children with severe and very severe disabilities

volunteering at "Piccola Casa della divina provvidenza Cottolengo"

07/2015 - 08/2015

Volunteer animator in the Cottolengo's small house of divine providence in Rome for elderly people with disabilities and very severe disabilities

AGESCI educator

2015 - 2019

I was an AGESCI educator (scout leader) for 4 years with children aged 6 to 12 and teenagers aged 13 to 17.