

PERSONAL INFORMATION



Mauro Voi

 Torre street, 133, 37056 Salizzole (VR)

 +39 3917306477

 voi.mauro95@gmail.com

Sex M | Date of birth 04/09/1995 | Nationality Italian

ACTUAL POSITION

03/10/2022 - current

PhD student in Applied Life and Health Sciences – XXXVIII cycle

University of Verona, Verona, Italy

I work mainly in the generation of knock-out cancer cell lines by CRISPR/Cas9 genome editing.

EDUCATION AND TRAINING

16/08/2021 – 31/08/2022

Intern at the Institute of Neuropathology

Institute of Neuropathology

University Hospital Zurich, Schmelzbergstrasse 12, 8091 Zurich, under the supervision of Prof. Dr. Adriano Aguzzi

- I worked mainly in the optimization of an arrayed genome-wide CRISPR screening to identify genes and regulators involved in the mammalian secretory pathway.
- **Acquired skills:** mammalian cell cultures, cell line transfections, prokaryotic cell transformation, plasmid DNA extraction, PCR and RT-qPCR, Western Blot, immunostaining, fluorescent microscope, confocal microscope, optimization of CRISPRko and CRISPRa screening in 384-well plate, use of automated instruments for a CRISPR screening (MultiFlo dispenser, Viaflo).

01/10/2018 – 22/07/2021

Master's Degree in Medical Biotechnologies

University of Padua, Padua, Italy

- Thesis work: "Optimization of a protocol for the production of Sars-CoV-2 spike pseudoviruses and development of a neutralization assay"
- Final mark: 110/110 cum laude

15/06/2020 – 21/05/2021

Internship at the Department of Neurosciences, Biomedicine and Movement sciences

Molecular Biology unit, Biology and Genetics, Department of Neurosciences, Biomedicine and Movement sciences, University of Verona, Italy, under the supervision of prof. Donato Zipeto

Acquired skills: mammalian cell cultures, cell line transduction, prokaryotic cell transformation, plasmid DNA extraction, PCR, transfection procedures, pseudovirus production, infectivity assay, luciferase gene reporter assay, viral titration, neutralization assay.

01/10/2014-11/07/2018 **Bachelor's Degree in Biotechnology**
University of Verona, Verona, Italy

- Thesis work: "Molecular analysis of the pathological variants P210L and R285W of the enzyme human DOPA decarboxylase"
- Final mark: 99/110

19/09/2017 – 22/01/2018 **Internship at the Department of Neurosciences, Biomedicine and Movement sciences**

Biochemistry Unit, Biological Chemistry, Department of Neurosciences, Biomedicine and Movement sciences, University of Verona, Italy, under the supervision of prof. Mariarita Bertoldi

Acquired skills: prokaryotic cell transformation, protein purification by immobilized metal ion chromatography, enzymatic assay, absorption spectroscopy, fluorescence spectroscopy, circular dichroism, dynamic light scattering.

07/2014 **Scientific high school diploma**
Liceo scientifico, Istituto Salesiano Don Bosco, Verona, Italy

PERSONAL SKILLS

Mother tongue(s) Italian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B1	B1	B2	B2	B2
LINGUA INGLESE COMPETENZA LINGUISTICA – LIV.B1(COMPLETO) – University of Verona + Acquired Level B2					

Communication skills

- Good communication skills acquired during my experience in different laboratory teams.
- Good communication and presentation skills acquired during my internship at the Institute of Neuropathology (Zurich) by participating at weekly-organized Technical Journal Club, Progress Reports and Crispr meetings.

Organisational /managerial skills Good organisational ability gained through working experiences on different research projects with different research groups.

Job-related skills Excellent practise in the manipulation of mammalian cell cultures together with a good knowledge of all the basic molecular biology-related techniques.

Digital skills

SELF-ASSESSMENT				
Information processing	Communication	Content creation	Safety	Problem solving
Independent user	Independent user	Independent user	Independent user	Independent user

Good command of Microsoft Word, Excel, Powerpoint, Zoom, ImageJ, SnapGene, GraphPad (Prism)

Other skills

- Participation in many volunteering activities, including a volunteering experience in Chişinău, Moldova (July 2014, July 2015)
- Guitar player

Driving licence

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