



# Samuele Pulli

*Biology Student*

## EDUCATION

### **MSc of Science ETH in Biology** **2024–Now**

- Molecular Mechanisms of Disease
- Swiss Federal Institute of Technology (ETHZ), Zurich (CH)

### **BSc of Science in Biology** **2020–2024**

- Faculty of Biology and Medicine, UNIL Lausanne (CH)
- Focus on neurobiology, physiology and oncology

### **Swiss Federal Maturity** **2016–2019**

- Optional module: biology and chemistry
- Collegio Papio, Ascona (CH)

## PROFESSIONAL EXPERIENCES

### **Bioresonance Operator** **2024–Now**

### **Co-founder of Avalon Solution SRL** **2024–Now**

### **Co-founder of Avalon Solution SAGL** **06.2023 – Now**

Swiss start-up with a focus on promoting care, health and physical wellbeing through the application of a correct nutritional strategy (“FAY Program”) and the implementation of a state-of-the-art software platform (“FAYHUB”), equipped with highly innovative modules using artificial intelligence, to more precisely analyse nutritional needs

### **Internship at Alpha librae SA** **07.2023–08.2023**

Group work on the creation of a business plan, real estate research and the use of platforms and software for planning

## PERSONAL INFORMATION

🌐 Italian

👤 06 December 2000

🏠 Via in Pasquée 13, 6925 Gentilino, Ticino (CH)

🏠 Burgerstrasse 14, 8193 Eglisau, Zurich (CH)

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📄 Residence permit C

## LANGUAGES

Italian – Mother tongue

English – Advanced level

French – Advanced level

German – Basic level

## DIGITAL COMPETENCES

Microsoft Word / Latex / Microsoft

Excel / Microsoft Power Point /

Python / Machine Learning /

## **RESEARCH & ACADEMIC EXPERIENCES**

### **Laboratory Experience**

**Feb 2026-Now**

- Department of Health Sciences and Technology (DHEST), Swiss Federal Institute of Technology (ETHZ), Zurich (CH)
- “Exploring yeast fitness in wine fermentation conditions using SATAY mutagenesis”

### **Laboratory Experience**

**Aug 2025–Dec 2025**

- Department of Biology (DBIOL), Swiss Federal Institute of Technology (ETHZ), Zurich (CH)
- “D-Gluconate is the primary sugar acid that fuels Salmonella expansion “
- On preparation for publication on *NATURE* journal

### **Laboratory Experience**

**Mar-May 2024**

- Department of Biomedical Sciences (DSB), Faculty of Biology and Medicine (UNIL), Lausanne (CH)
- "FACS analysis of T cell maturation in the thymus and evaluation of lymphocyte differentiation via fluorochrome-labeled antibodies"

### **Laboratory Experience**

**Feb-Mar 2024**

- Department of Fundamental Oncology (DOF), Faculty of Biology and Medicine (UNIL), Lausanne (CH)
- "Mechanisms of tumor formation and apoptosis evasion in OCI-Ly3 and K562 proliferative cell lines"

### **Laboratory Experience**

**Sep-Nov 2023**

- Department of Fundamental Oncology (DOF), Faculty of Biology and Medicine (UNIL), Lausanne (CH)
- "Assessment of cytotoxic OT-1 CD8+ T cell efficiency against B16-OVA tumor models”

Privat German language course

**2023**

**Embassy Southbank College, London (UK)**

**2017**

English language course