

EUROPEAN  
CURRICULUM VITAE  
FORMAT



**PERSONAL INFORMATION**

Name

**MOTTARLINI LAURA**

**WORK EXPERIENCES**

• Dates (from - to)

October 2024 – now

• Name and address of the employer

Policlinico San Matteo, Pavia

• Occupation or position held

Research Fellow

• Main activities

Bioinformatics analyses on *whole-genome* sequencing data, including but not limited to quality control, genome assembly, phylogenetic and phylogeographic analyses, plasmid content analysis, and *in-silico* structural biology analysis.

• Dates (from - to)

April 2023 – June 2023

• Name and address of the employer

Cooperativa Sociale Grandangolo, Morbegno (SO) 23017 Italy

• Occupation or position held

Teaching Assistant

• Main activities and responsibilities

Support and assistance to students with different disabilities to help them better understand the content, complete assignments and integrate in the classroom dynamics

**WORK-SCHOOL ALTERNANCE**

• Dates (from - to)

June 2017

• Name and address of the employer

MAD SPA, Cantù (CO) 22063 Italy

• Occupation or position held

Internship in the accounting office

• Main activities and responsibilities

Provide support in bookkeeping related tasks

• Dates (from - to)

June 2016

• Name and address of the employer

Sondrio's Hospital (Anatomical Pathology Unit), Sondrio (SO) 23100 Italy

• Occupation or position held

Internship in the laboratory of Anatomical Pathology

• Main activities and responsibilities

- Assistance during biopsies by reporting useful information dictated by the doctor
- Assistance in the preparation of histological slides
- Participation in microscopic observations

## VOLUNTEERING EXPERIENCES

- Dates (from - to) February 2019 – April 2019
- Name and type of organisation Non-profit organisation: "In My Father's House", Ghana
- Main activities and responsibilities Teaching English to the students of the orphanage, especially the ones in kindergarten

## EDUCATION AND TRAINING

- Dates (from - to) September 2023 - now
- Name and type of organisation providing education and training University of Milan, in collaboration with Politecnico di Milano
- Principal subjects/occupational skills covered  
The aim of the degree in Bioinformatics for Computational Genomics is to provide interdisciplinary training in bioinformatics, computational biology, and genomics. It equips graduates with:
  - in-depth knowledge of genome organization, gene expression, and regulation
  - expertise in experimental and computational methods for genomic, transcriptomic, epigenomic, and systems biology studies
  - proficiency in database technologies for biomolecular data storage and management
  - hands-on experience through an internship, involving data analysis, and scientific communication
- Dates (from - to) September 2019 – March 2023
- Name and type of organisation providing education and training University of Pavia
- Title of qualification awarded Bachelor's Degree in Biological Sciences (105/110)
- Principal subjects/occupational skills covered  
The degree in Biological Sciences is characterised by a curriculum that allowed me to obtain basic knowledge in different sectors:
  - mathematics, physics and chemistry;
  - general biology (from cells to large ecosystems);
  - knowledge of cells and molecules;
  - human biologyIn addition to the curriculum common to all students I chose to follow the elective courses of pharmacology and genetics II.  
I also obtained a basic knowledge of the techniques used in the laboratories of molecular biology and biochemistry.
- Dates (from - to) March 2022 – March 2023
- Occupation or position held Internship in the laboratory of Parasitology
- Principal subjects/occupational skills covered  
First approach to bioinformatics:
  - use of command language Bash
  - use of R studio
  - use of AlphaFold
  - use of BLAST (Basic Local Alignment Search Tool)  
The notions and skills learned during the internship were fundamental for my final dissertation: "Flagellin in *Midichloria mitochondrii*: in silico characterization from the sequence to the structure"

- Dates (from - to) September 2013 – June 2018
- Name and type of organisation providing education and training Liceo Scientifico “P. Nervi – G. Ferrari”, Morbegno (SO) 23017 Italy
- Title of qualification awarded High School leaving qualification in scientific studies

**PERSONAL SKILLS AND  
COMPETENCES**

- NATIVE LANGUAGE **ITALIAN**
- OTHER LANGUAGES **ENGLISH**
- Language Certification LanguageCert International ESOL, B2 (Communicator)