



TO MAGNIFICO RETTORE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE 6789

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at **Dipartimento di Bioscienze**

Scientist- in - charge: **Professor Mantovani Roberto**

**Sofia Poletti**

## CURRICULUM VITAE

### PERSONAL INFORMATION

Surname	Poletti
Name	Sofia

### PRESENT OCCUPATION

Appointment	Structure
PhD student (III year)	University of Milan

### EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
PhD	Molecular and Cellular Biology	University of Milan	Ongoing (2025)
Master's degree	Molecular Biology of the Cell (LM-6)	University of Milan	2021
Bachelor's degree	Biology (L-13)	University of Milan	2019

### FOREIGN LANGUAGES

Languages	level of knowledge
Italian	Mother tongue
English	C1
Spanish	A2

### AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2021	PhD Fellowship in "Molecular and Cellular Biology"



## TRAINING OR RESEARCH ACTIVITY

### Education and training

**2021 - ongoing** PhD in “Molecular and Cellular Biology” (XXXVII cycle), University of Milan, Italy

Research project: The role of NF-YA isoforms in mouse embryo development.

Supervisor: Professor Diletta Dolfini

**2019 - 2021** Master’s degree in “Molecular Biology of the Cell”, University of Milan, Italy

Thesis: Involvement of NF-YA long isoform in mouse Embryonic Stem Cells Differentiation

Supervisor: Professor Diletta Dolfini

Vote: 110/110L

**2016 - 2019** Bachelor’s degree in Biology, University of Milan, Italy

Thesis: From organisms to molecules: Transcription Factors and their role in the regulation of development and differentiation.

Supervisor: Dr. Monica Beltrame

Vote 109/110

### Tutoring

Tutor in internship of both Bachelor’s and Master’s degree students at University of Milan

### Concress, Training courses, workshop and seminars

2021: Workshop “Everything you need to know about single cell genomics and how to apply it to cell-based therapy”

2021: Training Course “Biostatistics for Molecular and Cellular Biology”

2022: Training Course “Molecular and Cellular Biology”

2022: Training Course “How to write a paper for molecular and cellular biology”

2022: Training Course “Cryogenic and technical Gas Manipulation”

2022: Congress “Deciphering Stem Cells Fate by Single-cell, Multiomic and Interference Approaches”  
Molecular Biology Centre, Turin, Italy

2023: Corso di perfezionamento “Piccoli animali: formazione specifica per il personale coinvolto nella sperimentazione animale per fini scientifici”

2023: Workshop “Non-coding RNA”

2024: Congress “Genomica: tecnologie avanzate” FISV, University of Milan, Italy

2024: Workshop “Big-data in molecular biology: from experimental design to molecular function”

## PROJECT ACTIVITY

Year	Project
2021-ongoing	<p>PhD at University of Milan - The role of NF-YA isoforms in mouse embryo development.</p> <p>Molecular Biology techniques: gene editing (SpCas9); cloning techniques, transfections, CUT&amp;RUN, Chromatin Immunoprecipitation, Immunofluorescence, Fluorescence Activated Cell Sorting, western blot, DNA/RNA and protein extraction, qRT-PCR, I-cell8 Single-cell, Library preparation</p> <p>Cellular biology techniques: cell lines culture (mESCs, C2C12, MLS), EBs/Gastruloids differentiation, Mesendodermal differentiation in monolayer, C2C12 myotubes</p>



	differentiation, MLS Adipocytes differentiation
2020-2021	<p>Master's thesis intern at University of Milan - "Involvement of NF-YA long isoform in mouse Embryonic Stem Cells differentiation"</p> <p>Molecular biology techniques: gene editing (SpCas9); cloning techniques, transfections Fluorescence Activated Cell Sorting, western blot, DNA/RNA and protein extraction, qRT-PCR</p> <p>Cellular biology techniques: cell lines culture (mESCs), EBs/Gastruloids differentiation, Mesendodermal differentiation in monolayer</p>
2019	Bachelor's thesis intern at the University of Milan - From organisms to molecules: Transcription Factors and their role in the regulation of development and differentiation.

## CONGRESSES AND SEMINARS

Date	Title	Place
30/05/2022 - 01/06/2022	<p>Deciphering Stem Cells Fate by single-cell, multiomic and Interference Approaches</p> <p>Poster: "Dissecting the role of NF-YA isoforms in Mesendodermal Differentiation of mouse Embryonic Stem Cells"</p> <p>Authors: Polettini S., Libetti D., Gallo A., Ronzio M., Mantovani R., Dolfini D.</p>	Turin, Italy

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Please note that CV WILL BE PUBLISHED on the University website and It is recommended that personal and sensitive data should not be included. This template is realized to satisfy the need of publication without personal and sensitive data.

Please DO NOT SIGN this form.

Place and date: Milan, 22/07/2024