



Eleonora De Santis

EDUCATION AND TRAINING

[11/2024 – Current] **PhD in "Cellular and Developmental Biology"**
Sapienza University of Rome

[09/2021 – 10/2023] **Master degree in Neurobiology**
Sapienza University of Rome

| **Final grade:** 110/110 Cum Laude | **Thesis:** The mechanisms of Ferroptosis in the pathogenesis of Friedreich's Ataxia

Advanced School in Artificial Intelligence (AS-AI) Interdisciplinary research

[10/2022 – 03/2023] **and applications in Machine Learning, Brain, Mind and Society**

AI2Life srl c/o Institute of Cognitive Sciences and Technologies (ISTC-CNR)

| **Thesis:** "Developing machine learning and deep learning systems for classification and regression"

[2020] **Bachelor degree in biological science**
Sapienza University of Rome

| **Final grade:** 93 | **Thesis:** "Antibiotic resistance"

WORK EXPERIENCE

[06/2022 – 10/2023] **Thesis Student**
Ospedale Pediatrico Bambino Gesù

Name of unit or department: UOS - Muscular and Neurodegenerative Disease

The molecular biology and biochemistry techniques acquired during the program include: protein extraction (es. BCA assay), qRT-PCR, Western blotting, ELISA. Proficiency in enzymatic assays, including enzyme activity measurement, and substrate specificity studies. All studies were carried out on primary cell cultures and blood samples.

[12/2023 – 09/2024] **Research Fellow**
Ospedale pediatrico, Bambino Gesù

Name of unit or department: UOS - Muscular and Neurodegenerative Disease

Advanced scientific research activities aimed at deepening the understanding of the underlying mechanisms of muscular and neurodegenerative diseases, such as muscular dystrophy, leukodystrophies, ataxia and other central nervous system pathologies. Study of pathological processes, such as oxidative damage, neuroinflammation, protein misfolding, and neurodegeneration in cell cultures and blood samples.

CONFERENCES AND SEMINARS

[28/08/2024 – 30/08/2024] **Summer school "Concepts and Methods for Neurobiological Research"**

Padua

University of

HONOURS AND AWARDS

[09/2023] **Excellence program Awarding institution:** Sapienza University of Rome

I completed the required hours of training activities as part of the excellence program at the Oncohematology Flow Cytometry Laboratory, within the Hematology and Stem Cell Unit of the San Camillo-Forlanini Hospital Trust. the description...

BAR EXAM

[01/12/2023] **Passed the examination for the professional practice as a biologist**

LANGUAGE SKILLS

Mother tongue(s): Italian

Other language(s):

English

LISTENING B2 **READING** B2 **WRITING** B2

SPOKEN PRODUCTION B2 **SPOKEN INTERACTION** B2

DIGITAL SKILLS

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

My Digital Skills

Microsoft Word | Microsoft Excel | Google Drive | Zoom |
Google Docs | Social Media
| MS Office (Word, Powerpoint, Excel, Access) |
Organizational and planning skills | Team-work oriented
| Decision-making

SOCIAL AND POLITICAL ACTIVITIES

[10/2022 – 10/2023] **Representative of student in the Faculty Council** Sapienza, University of Rome

I was part of the student association "Sapienza in Movimento" and I was elected representative of student in the Faculty Council in the academic year 2022/2023.
