



Chiara Arena

✉ Email: chiara.arena@uniroma1.it

EDUCATION AND TRAINING

[2023 – Current]

PhD in Biochemistry

Sapienza University of Rome

Thesis: Integrated proteomics and metabolomics approaches in the study of complex pathologies

[2020 – 2023]

Master's Degree in Neurobiology

Sapienza University of Rome

Final grade: 110/110 cum Laude

Thesis: A bioinformatic approach to the study of environmental variation effects on the zebrafish nervous system focused on neurotoxicity and transposon activity alteration

[2016 – 2020]

Bachelor's Degree in Biology

Sapienza University of Rome

Thesis: Structural variability of receptor proteins in taxonomic groups in relation to SARS-COV-2 infection

[2011 – 2016]

Diploma Scientific High School

Liceo Scientifico Taletè, Rome

PUBLICATIONS

[2023] [Temperature and chemical-induced neurotoxicity in zebrafish](#)

Reference: Review

Toni M., Arena C., Cioni C., Tedeschi G

[2023] **Environmental changes affect transposon expression in Danio Rerio**

Reference: Poster Presentation at the 68th Congress GEI-SIBSC

Arena C., Fanti L., Cioni C., Franchini P., Toni M.

EXPERIENCE ABROAD

[03/2022 – 08/2022] **Erasmus + University of Zurich, UZH**

[09/2018 – 01/2019] **Erasmus + Universidad de Navarra, UNAV**

COURSES

[06/2022] **Course in Animal Science, FELASA Certification**

University of Zurich, UZH. Animal Handling, Minor Invasive Procedures and Behavioral Test

LANGUAGE SKILLS

Mother tongue(s): ITALIAN , SPANISH

Other language(s):

English

LISTENING C1 **READING** C1 **WRITING** B2

SPOKEN PRODUCTION C1 **SPOKEN INTERACTION** C1

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

DIGITAL SKILLS

Microsoft Office | Biological database consultation and bioinformatic analysis (as PyMol, PyMod, Molegro, PSI-Blast) | RNA-Seq | R language and R studio | Python / Bash scripting

DRIVING LICENCE

Cars: B