Giuseppe Aurnia
Curriculum vitae

Personal data

Surname: Aurnia
Name: Giuseppe
Date of birth: 21/06/2000
Place of birth: Modica (RG)
Nationality: Italian
E-mail: giuseppe.aurnia01@universitadipavia.it

Languages

- Italian (mother tongue)
- English

Education

October 2026- : PhD in Genetics, Molecular and Cellular Biology at the University of Pavia
Supervisor of the thesis: Dr. Casali Claudio (Department of Biology and Biotechnology "L. Spallanzani", via Ferrata 9, 27100 Pavia)
Co-supervisor of the thesis: Dr. Francia Sofia (Institute of Molecular Genetics "Luigi Luca Cavalli-Sforza", via Abbiategrasso 207, 27100 Pavia)
Title of the research project: " Nuclear reorganization in physiological and pathological conditions"

June 2026: Master's degree in Sperimental and Applied Biology, Biomedical and molecular Curriculum at the University of Pavia.
Final vote: 110\110 *cum laude*
Title of the thesis: " SINEUP-mediated restoration of CHK1 protein levels as a therapeutic approach for ALS"
Supervisor of the thesis: Prof. Elena Maria Clotilde Raimondi (Department of Biology and Biotechnology "L. Spallanzani", via Ferrata 9, 27100 Pavia)
Co-supervisor of the thesis: Dr. Francia Sofia (Institute of Molecular Genetics "Luigi Luca Cavalli-Sforza", via Abbiategrasso 207, 27100 Pavia)

February 2024: Degree in Biological Science at the University of Catania.
Final vote: 110\110 *cum laude*
Title of the thesis: "The genetics of Leber hereditary optic neuropathy"
Supervisor of the thesis: Prof. Concetta Federico (Department of Biological, Geological and Environmental Sciences, Corso Italia 57, 95129 Catania)

July 2019: High school Diploma in Scientific Studies at liceo Galilei-Campailla of Modica.
Final vote: 85\100

Working experience

September 2025- June 2026 : Intenrship at the IGM-CNR, institute of molecular genetics "Luigi Luca Cavalli Sforza"
Responsible of the laboratory: Dr.ssa Sofia Francia

September 2023-December 2023: Internship at the Genetics/Cytogenetics laboratory of the University of Catania.
Responsible of the laboratory: Prof. Concetta Federico

Technical skills

Cellular Biology methodologies: Culture of immortalized and primary mammalian, cell lines, trasfection with plasmids, sample preparation for sorting
Molecular Biology methodologies: Immunofluorescence, Bacterial transformation, MIDI, Western Blot

Microscopy: fluorescence microscopy

Image Analysis: CellProfiler and ImageJ for microscopy image processing and quantitative analysis