


Eugenia Rubino

Biologist



ABOUT ME

I am a young biologist, graduated in Applied Experimental Biology at the University of Genova. I have been always curious to understand how human brain works which is the reason I decided to perform my thesis internship in the laboratory of Neurophysiology at Dimes, Unige, in Dr. Corradi' group.

This early experience confirmed my passion in the field of neuroscience.

Furthermore, my future goal is to conduct research and development in the biological and pharmaceutical fields, applying techniques and procedures to carry out laboratory activities. I look forward to acquiring new skills and growing professionally.

WORK EXPERIENCE

Occasional research collaboration at Institute of Biophysics (CNR) | Genova

Oct 2024- to date

'Fluorescence measurements, plasmid construct creation and electrophysiological measurements,' is the project I am working on and is mainly focused on the study of the Clc-4 gene and its variants.

Master's Internship DIMES University of Genova | Genova

Oct 2023- July 2024

Master thesis internship in the laboratory of Neurophysiology at DIMES, UniGe. The research project was focused on TMEM151A a dark gene, which recently has been associated to Paroxysmal Kinesigenic Dyskinesia (PKD). To gain insight on TMEM151A function we studied its membrane topology. In addition, we further investigated TMEM151A, by studying the effects of some TMEM151A pathological mutations identified in PKD patients by in vitro assay.

Also, two posters were presented at FENS (Federation of European Neuroscience Societies) and at SIF (Italian Society of Pharmacology) under the title of " TMEM151A, a new causative gene in Paroxysmal Kinesigenic Dyskinesia"

Bachelor's Internship University of Genova | Genova

Oct 2020 - Sep 2021

Bachelor thesis internship held at the Laboratory of Biochemistry in DIMES at the University of Genova. From the literature, it was seen that in other cancers, such as ovarian and pancreatic, NAPRT had a role in resistance to FK866 and DNA damage. Therefore, the aim of my study was to investigate whether NAPRT also had a similar role in triple-negative breast cancer.

High School Exchange Program Lyfield Collage Auckland | New Zealand

Jun 2016 - Oct 2016

EDUCATION and TRAINING

Master's Degree in "Applied and Experimental Biology" University of Genova

Oct 2021 - July 2024



Graduation mark: 103/110

Thesis title: *"Investigation of the role of TMEM151A in the pathogenesis of paroxysmal disorders"*

Bachelor's degree in biology University of Genova

Oct 2018 – Oct 2021

Thesis title: *"The role of NAPRT in resistance to FK866 in triple negative breast cancer"*

Graduation mark: 104/110

High School Diploma Liceo Linguistico Eugenio Montale

Sep 2013 – Jun 2018

Graduation mark: 76/100

PERSONAL SKILLS

Laboratory skills

During the research fellowship and internship I have acquired the following laboratory techniques:

- **Cellular Biology:** cell culture maintenance and manipulation. *Xenopus laevis* oocytes manipulation and RNA injection
- **Molecular Biology:** PCR, Western blot, Site directed mutagenesis, RNA extraction
- **Imaging techniques:** immunofluorescence
- **Image analysis:** ImageJ/Fiji software
- **Statistical analysis:** Excel
- **Electrophysiology:** two electrodes voltage clamp, whole cell patch clamp

English

UNDERSTANDING		SPEAKING		WRITING	
Listening	Reading	Spoken	Interaction	Spoken	Production
B2	B2	B2	B2	B2	B2

Other skills

I have acquired very good communication and organizational abilities through activities that I have been involved in since a mature age, in particular during the exchange program in New Zealand.

ADDITIONAL INFORMATION

References

