



# Eugenia Rubino

## Biologist



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### 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.

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### WORK EXPERIENCE

#### **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 Diskinesia (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

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### 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

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**PERSONAL SKILLS**

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**Laboratory skills**

During my thesis internship I have learned the following laboratory techniques:

- **Cellular Biology:** cell culture maintenance and manipulation.
- **Molecular Biology:** PCR, Western blot and Site directed mutagenesis
- **Imaging techniques:** immunofluorescence
- **Image analysis:** ImageJ/Fiji software
- **Statistical analysis:** Excel

**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.

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**ADDITIONAL INFORMATION**

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**References**

**Prof.ssa Anna Corradi**  
**Email:** [acorradi@unige.it](mailto:acorradi@unige.it)  
**Associate Professor, DIMES, University of Genova, Genova (Italy)**

**Personal data**

