

## Cecilia Perrucci

Home :

Email:

Date of birth:

Nationality:

### EDUCATION AND TRAINING

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[ Sep 2020 – 22 Mar 2023 ]

#### **Master of Science in Cellular and Molecular Biotechnology – Neurobiology track (LM09)**

**University of Trento**      <https://international.unitn.it/mcmb/programme-overview>

Address: 9, Sommarive St., 38123, Trento, Italy

[ Sep 2018 – 21 Sep 2020 ]

#### **Bachelor of Science in Biomolecular Science and Technology (L-2)**

**University of Trento**      <https://offertaformativa.unitn.it/it/l/scienze-e-tecnologiebiomolecolari/il-corso>

Address: 9, Sommarive St., 38123, Trento, Italy

[ Sep 2012 – Jun 2017 ]

#### **Scientific High School Diploma**

**Liceo Scientifico Aldo Moro (Scienze Applicate)**

Address: 5, XX Settembre St., 42100, Reggio Emilia, Italy

### SCIENTIFIC EXPERIENCE

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[ Apr 2023 – Dec 2023 ]

#### **Research Contract**

**Research contract under the National Research Council of Italy, in the  
Laboratory of Gabriella Viero at the Institute of Biophysics (Trento),  
(Fondazione Bruno Kessler).**

I worked on a research project aimed at developing innovative methods for the sample preparation steps of ribosome profiling (RiboSeq) protocol. In particular, I worked on the development of original solutions for the generation of ribosome-protected fragments from low-input biological samples (ranging from 100 to 100.000 mammalian cells)

During this research contract, I strengthened my knowledge on basic and advanced biomolecular techniques (library preparation for RiboSeq) and on the biological challenges related to the application of RiboSeq method on low-abundance biological samples. I also acquired knowledge on the computational procedures and bioinformatic tools (R, Python) for the analysis of RiboSeq data obtained from low input biological samples.

[ Feb 2022 – Mar 2023 ] **University Internship (Master's Degree)**

***Laboratory of Translational Architectonics headed by Dr. Gabriella Viero (Institute of Biophysics (CNR)), hosted at Fondazione Bruno Kessler (FBK) in Povo (TN).***

I worked on the project “*Alterations in ribosome recruitment on mRNA in a mouse model of Amyotrophic Lateral Sclerosis*”.

During this internship I strengthened my knowledge on:

1. Neurodegenerative diseases;
2. Cellular translational processes and controls;
3. Translation defects responsible for neurodegeneration;
4. Alterations of translation controls in neurodegenerative diseases.

I acquired practical abilities on:

1. Basic biological laboratory techniques (e.g. cell culture management (murine primary cortical neurons, motor neuron-like cell line (NSC-34)), Western Blot and Immunoblotting, Polymerase Chain reaction, Quantitative Polymerase Chain Reaction, RNA and protein extraction, Immunoprecipitation);
2. Techniques for the analysis of cellular translation (e.g. Polysome profiling, de-novo protein synthesis analysis by puromycylation assays, Ribosome run-off assay to evaluate cellular elongation rate).

[ Feb 2020 – Jul 2020 ] **University Internship (Bachelor's Degree)**

***Laboratory of Bioorganic Chemistry headed by Prof. Ines Mancini at the Physics Department of University of Trento (Povo, TN).***

I worked on the project “*Improvement of the chemical space of Prion Protein inhibitor: production of analogues and pure enantiomeric forms*”.

I acquired knowledge on Medicinal Chemistry and reinforced previous knowledge on Organic Chemistry.

I also acquired practical and theoretical abilities on:

1. Analytical Chemistry techniques (e.g. Mass Spectrometry, Nuclear Magnetic Resonance, High-Performance Liquid Chromatography, Thin Layer Chromatography, Chiral High-Performance Liquid Chromatography, Circular Dichroism);
2. Synthetic Chemistry techniques.

[ Jul 2016 – Aug 2016 ] **Erasmus + Internship**

I was awarded a scholarship from Erasmus+ project to go to Instituto Superior de Agronomia, Lisbon (Portugal) to work in a laboratory. During my internship I assisted a PhD student with her research project about “Management practices and soil quality patterns in evergreen oak woodlands (Montado)”. This project mainly consisted in qualitative analyses of soil samples taken from different woodlands areas on Portuguese territory. Qualitative analyses included the application of physical, chemical and biochemical techniques to evaluate soil properties.

## WORK EXPERIENCE

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- [ 1 Dec 2023 – 29 Feb 2024 ] **Research contract**  
*IMMAGINA Biotechnology S.r.l*  
Address: 47, Viale dell'Industria, 38057, Pergine Valsugana (TN), Italy
- [ Apr 2023 – Dec 2023 ] **Research contract**  
*Institute of Biophysics, National Research Council of Italy (CNR)*  
City: Trento (Italy)
- [ 15 Jul 2019 – 31 Aug 2019 ] **Summer worker**  
*Tetra Pak*  
Worker at pre-press department.  
Address: 56/A, Viale Resistenza, 42048, Rubiera (RE), Italy
- [ 15 Mar 2018 – 30 Aug 2018 ] **Waitress**  
*Cafè Bistrot "Gusto"*  
Dining service, cafeteria service, bar counter management.  
Address: 9, Maria Melato St., 42048, Rubiera (RE), Italy
- [ 21 Oct 2017 – 26 Nov 2017 ] **Waitress**  
*Pizzikotto - KUORE SPA*  
Dining service, cafeteria service, bar counter management.  
Address: 56C, Emilia Ovest St., 42048, Rubiera (RE), Italy
- [ 16 Aug 2017 – 15 Sep 2017 ] **Receptionist**  
*Festareggio management*  
Address: 42122, Reggio Emilia, Italy
- [ 15 Jul 2015 – 31 Jul 2015 ] **Summer Job Program**  
*Tetra Pak*  
Worked in the general purchasing office.  
Address: 1, Antonio Delfini St., 41123, Modena, Italy

## LANGUAGE SKILLS

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Mother tongue(s): Italian

Other language(s):

**English - LISTENING B2 - READING C1 - WRITING C1 - SPOKEN PRODUCTION B2 - SPOKEN INTERACTION B2.**

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

## DIGITAL SKILLS

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**Programming languages:**

Python | Latex | R-studio | C++

Microsoft: Microsoft Excel, Microsoft PowerPoint, Microsoft Word | Zoom

## SOFT SKILLS

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1. Team-working skills acquired thanks to agonistic team-sport experience from 2012 to 2016;
2. Good contact skills with children gained through experiences as volunteer educator in summer centers (2013-2016);
3. I have been part of the Future Food Institute (FFI), an Italian-based non-profit with global horizon (2013-2017)
4. One year experience as Italian Red Cross volunteer (2016);
5. I am involved in the organization of a youth festival (art, music and politics are the main themes) that takes place once a year in July in Rubiera (RE) (2016 - present);
6. In April 2017 I won a student contest, promoted by my High School, and had the possibility to travel to Israel and Palestine for a Geo-Political trip;
7. Good contact skills with children and elders gained through my experience as volunteer in the general hospital of Modena (clown-therapy in both pediatric and general-medicine wards) (2017-2018).

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