

PERSONAL INFORMATION

Martina Ricci

📍 IRCCS Foundation “Carlo Besta” Neurological Institute
Neurology V – Neuropathology Unit

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Gender: F | Nationality: Italian

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WORK EXPERIENCE

March 2022 - current

Italian NHS Researcher

IRCCS Foundation “Carlo Besta” Neurological Institute

Neurology V – Neuropathology Unit

Via Celoria 11, 20133 Milano

- Mutational analysis of genes involved in degenerative dementias by means of PCR, traditional sequencing, fragment analysis and Next Generation Sequencing.

May 2021 – February 2022

Senior fellowship holder

IRCCS Foundation “Carlo Besta” Neurological Institute

Neurology V – Neuropathology Unit

Via Celoria 11, 20133 Milano

- Activities within the project "The genetics of degenerative dementias: study of causal mutations and susceptibility factors through a Next Generation Sequencing approach".

November 2020 – April 2021

Senior fellowship holder

IRCCS Foundation “Carlo Besta” Neurological Institute

Neurology V – Neuropathology Unit

Via Celoria 11, 20133 Milano

- Activities within the project "The genetics of degenerative dementias: causal genes and risk factors".

May 2019 – October 2020

Junior fellowship holder

IRCCS Foundation “Carlo Besta” Neurological Institute

Neurology V – Neuropathology Unit

Via Celoria 11, 20133 Milano

- Activities within the project "The genetics of degenerative dementias: causal genes and risk factors".

May 2018 – April 2019

Junior fellowship holder

IRCCS Foundation “Carlo Besta” Neurological Institute

Neurology V – Neuropathology Unit

Via Celoria 11, 20133 Milano

- Activities within the project "The genetics of degenerative dementias: causal genes and risk factors".

January 2018 – May 2018

Fellowship holder

IOV – Veneto Institute of Oncology - IRCCS

Immunology and Molecular Oncology Unit

Via Gattamelata 64, 35128 Padova

- Activities within the project "Pharmacogenetics of Barrett's esophagus and search for tumor progression biomarkers".

June 2017 – December 2017

Fellowship holder

IOV – Veneto Institute of Oncology - IRCCS

Immunology and Molecular Oncology Unit

Via Gattamelata 64, 35128 Padova

- Activities within the project "Pharmacogenetic studies: a multigenic approach".

February 2015 – February 2016

Biologist

University Hospital of Parma

Nuclear Medicine Unit

Via Gramsci 14, 43126 Parma

- Maintenance of the Quality Assurance System, leukocytes and platelets labeling, preparation and quality control of the main PET and SPECT radiopharmaceuticals, design/production of new radiolabeled molecules.

EDUCATION AND TRAINING

January 2017 – January 2018

II level University Master course (110 with honours)

University of Parma

Department of Medicine and Surgery

Via Università 12, 43121 Parma

- Biology of hematopoietic and mesenchymal stem cells and clinical applications in the field of regenerative medicine.

November 2014

Qualified as professional biologist

University of Parma

Via Università 12, 43121 Parma

October 2012 – October 2014

Master's Degree in Molecular Biology (110 with honours)

University of Parma

Department of Biosciences

Via Università 12, 43121 Parma

- Molecular and cellular biology, genetics, biochemistry and bioinformatics; laboratory methodologies, analytical tools and data collection and analysis techniques.

October 2009 – September 2012

Bachelor's Degree in Biology

University of Parma

Department of Biosciences

Via Università 12, 43121 Parma

- Mathematics, statistics, informatics, physics, chemistry and biology of microorganisms, plants and animals at the morphological, functional, cellular and molecular level; biological laboratory skills.

September 2004 – July 2009

High school graduation

Scientific High School "Giacomo Ulivi" of Parma

Viale Maria Luigia 3, 43125 Parma

TECHNICAL SKILLS

Nucleic acid extraction, purification and quantification.

Agarose gel electrophoresis, PCR (Polymerase Chain Reaction).

Gene mutagenesis and cloning, transformation of bacteria and expression of recombinant protein.

Protein purification and quantification.

Polyacrylamide gel electrophoresis (SDS-PAGE).

Rabbits immunization techniques: parenteral and mucosal (intranasal, sublingual and intravaginal) administration of antigens.

Enzyme-linked immunosorbent assay (ELISA) and Western blot assay.

Sanger sequencing and Next Generation Sequencing.

Use of spectrophotometer, Agilent 2100 bioanalyzer, agarose gel and polyacrylamide gel electrophoresis equipment, Applied Biosystems 3130xl Genetic Analyzer and MiSeq System (Illumina). Use of hoods and equipment for cellular biology.