

## PERSONAL INFORMATION

### Rosina Pattera

📍 Fondazione IRCCS Istituto Neurologico Carlo Besta  
Neurology VIII Unit  
Department of Molecular Neuro-Oncology  
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*Nationality:* Italian

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## WORK EXPERIENCE

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From December 2019  
To today

### Italian NHS Researcher

Fondazione IRCCS Istituto Neurologico "Carlo Besta", via Celoria 11, Milano  
Neurology VIII Unit  
Department of Molecular Neuro-Oncology

Liquid biopsy in central nervous system tumors project; Responsible for the diagnosis of brain tumors

From November 2018  
To September 2021

### Contract Researcher

**Project** entitled: Unsolved challenges in neurofibromatosis type I: the search for novel clinical and molecular predictors for spinal neurofibromatosis diagnosis and management.  
Fondazione IRCCS Istituto Neurologico "Carlo Besta", via Celoria 11, Milano  
Neurology VIII Unit  
Department of Molecular Neuro-Oncology  
PI: MD Marica Eoli

From November 2017  
to November 2018

### Contract Researcher

**Project** entitled: A phase I study of immunotherapy with GSC loaded dendritic cells in patients with recurrent glioblastoma "  
Fondazione IRCCS Istituto Neurologico "Carlo Besta", via Celoria 11, Milano  
Neurology VIII Unit  
Department of Molecular Neuro-Oncology  
Director: Gaetano Finocchiaro

From December 2016  
To October 2017

### Contract Researcher

**Project** entitled: "Cancer stem cell immunotherapy: a pilot study in patients with recurrent glioblastoma"  
Fondazione IRCCS Istituto Neurologico "Carlo Besta", via Celoria 11, Milano  
Neurology VIII Unit  
Department of Molecular Neuro-Oncology  
Director: Gaetano Finocchiaro

From March 2016  
To November 2016

### Contract Researcher

**Project** entitled: "Immunotherapy with dendritic cells loaded with cancer stem-like cells: a phase 1 study in glioblastoma"  
Fondazione IRCCS Istituto Neurologico "Carlo Besta", via Celoria 11, Milano  
Neurology VIII Unit  
Department of Molecular Neuro-Oncology

From January 2009  
to April 2015

Director: Gaetano Finocchiaro

**Fellow** (junior from 2009 to 2014 and senior from 2014 to 2015) in the clinical and molecular genetics of brain tumors.

Fondazione IRCCS Istituto Neurologico "Carlo Besta", via Celoria 11, Milano

Neurology VIII Unit

Department of Molecular Neuro-Oncology

Director: Gaetano Finocchiaro

## EDUCATION AND TRAINING

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From 2006 to 2008

### **Master's Degree in Medical Biotechnology and Molecular Medicine - Oncology field -**

University of Milan

Master's degree in Molecular and Cellular Medical Biotechnologies

Score:105/110

From 2001 to 2005

### **Degree Course in Medical Biotechnology**

University of Milan

Doctor of Medical Biotechnology

Score of 103/110

From 1996 to 2001

### **Classical High School Diploma**

High School "Vittorio Emanuele II", Lanciano (CH)

score 88/100

## TECHNICAL SKILLS

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### **Diagnostic Activity:**

Since 2013 activity concerning the genetic and genomic characterization of gliomas.

Since 2016, study of gene mutations (PTEN, TP53, NF1, NF2, LZTR1, SMARCB1) involved in tumor predisposition syndromes, diagnostic and research aspects.

Introduction into the laboratory routine of molecular biology techniques (NGS, Digital PCR, cold PCR) to offer diagnostics that are always updated and in step with the times.

In 2021, validation of new markers to be included in the diagnostic routine to improve the diagnosis and clinical definition of the disease.

### **Research activity**

Since 2019 member of the ACC network (Alliance Against Cancer) for preclinical activity in the Glioblastoma working group. The project is aimed at introducing liquid biopsy (analysis of cell free DNA -cfDNA- from CSF and plasma) in the clinical armamentarium in neuro-oncology for differential diagnosis in cases where surgery is not possible.