

PERSONAL INFORMATION

Silvia Musio

📍 Fondazione IRCCS Istituto Neurologico Carlo Besta
UO Neuro-oncologia; SS Immunoterapia dei Tumori Cerebrali
Address: via Celoria, 11 20133 Milano

✉ silvia.musio@istituto-besta.it

Gender: F | Nationality: Italian

ORCID: <https://orcid.org/0000-0002-8051-7389>

WORK EXPERIENCE

- 2020-present **SENIOR RESEARCHER (FIXED TERM CONTRACT)**
FONDAZIONE IRCCS ISTITUTO NEUROLOGICO "C.BESTA" (MILANO)
UOC NEUROLOGIA 8 – SS IMMUNOTERAPIA DEI TUMORI CEREBRALI
- Research in the field of Neuroimmunology in particular immunotherapy of brain tumors
 - Data analysis, scientific papers and reviews writing. Coordination of laboratory activities and intern supervision
- 2014-2019 **SENIOR RESEARCHER (CO.CO.CO)**
FONDAZIONE IRCCS ISTITUTO NEUROLOGICO "C.BESTA" (MILANO)
UOC NEUROLOGIA 4
- Research in the field of Neuroimmunology with particular focus on allergic components of the immune system, autoimmunity, neurodegeneration, preclinical models, pathogenetic aspects and new targets of therapy in immunomediated diseases of central nervous system
- 2012-2014 **RESEARCH FELLOWSHIP (FISM)**
FONDAZIONE IRCCS ISTITUTO NEUROLOGICO "C.BESTA" (MILANO)
UOC NEUROLOGIA 4
- Research in the field of Neuroimmunology with particular focus on the role of basophils in the experimental autoimmune encephalomyelitis (EAE): an animal model of multiple sclerosis
- 2010-2012 **JUNIOR RESEARCHER (CO.CO.CO)**
FONDAZIONE IRCCS ISTITUTO NEUROLOGICO "C.BESTA" (MILANO)
UOC NEUROLOGIA 4
- Research in the field of Neuroimmunology with particular focus on pathogenetical aspects of immunomediated and inflammatory diseases of the central nervous system
- 2006-2009 **RESEARCH FELLOWSHIP**
FONDAZIONE IRCCS ISTITUTO NEUROLOGICO "C.BESTA" (MILANO)
UOC NEUROLOGIA 4
- Immunological and genetic aspects involved in the mechanism of autoimmune disease of the central nervous system
- 2005-2006 **JUNIOR RESEARCHER (CO.CO.CO)**
FONDAZIONE IRCCS ISTITUTO NEUROLOGICO "C.BESTA" (MILANO)
UOC NEUROLOGIA 4
- Autoimmune response in multiple sclerosis: interaction between T cells, cytokines and allergic components
- 2004-2005 **RESEARCH FELLOWSHIP**
FONDAZIONE IRCCS ISTITUTO NEUROLOGICO "C.BESTA" (MILANO)
UOC NEUROLOGIA 4
- Research in the field of Neuroimmunology with particular focus on autoimmune response in multiple sclerosis

EDUCATION AND TRAINING

- 2017 **PROFESSIONAL QUALIFICATION BIOLOGIST**
Università degli studi di Pavia
Italian Order of Biologist: AA_082837
- 2008 **PhD IN MOLECULAR AND TRANSLATIONAL MEDICINE (DIMET)**
Università degli studi di Milano Bicocca
▪ Title: "The role of histamine in Experimental Autoimmune Encephalomyelitis (EAE)"
- 2004 **MASTER'S DEGREE IN BIOLOGY**
Università degli studi di Milano
▪ Title: "Experimental autoimmune encephalomyelitis (EAE) in knock-out mice for histidine decarboxylase"

TECHNICAL SKILLS

- Consolidated expertise in flow cytometry and cell biology for the analysis of cell subclasses and their immunological profile
- Good knowledge of molecular biology techniques
- Consolidated expertise for "in vivo" treatment with animal models of autoimmunity and brain tumors
- Activity of drafting protocols and standard operating procedure for the technology transfer in GMP