PERSONAL INFORMATION

SARA GIBERTINI

Fondazione IRCCS Istituto Neurologico Carlo Besta
UO
Via Amadeo 42
e-mail address sara.gibertini@istituto-besta.it
Gender: F | *Nationality:* Italian
ORCID: orcid.org/0000-0002-8554-7288

WORK EXPERIENCE

From January 2022 – to present

Health Researcher at Division of Neuromuscular Diseases and Neuroimmunology, Muscle Cell Biology Lab. Neurological Institute "C. Besta", Milano. Head of lab: Dr Lorenzo Maggi
Supervision a group of young researchers in different projects focusing on muscular diseases in particular on Myofibrillar and vacuolar myopathies.
Responsible of the genetic screenings and diagnosis with Sanger sequencing and Next Generation Sequencing.
Management of the Cells, tissues and DNA from patients with Neuromuscular Diseases (Directed by Dr. Andreetta).

From July 2019 – Dec 2021

Senior Researcher at Division of Neuromuscular Diseases and Neuroimmunology, Muscle Cell Biology Lab. Neurological Institute "C. Besta", Milano. Head of lab: Dr Lorenzo Maggi
Supervision a group of young researchers in different projects focusing on muscular diseases in particular on Myofibrillar and vacuolar myopathies.
Responsible of the genetic screenings and diagnosis with Sanger sequencing and Next Generation Sequencing.
Management of the Cells, tissues and DNA from patients with Neuromuscular Diseases (Directed by Dr. Andreetta).

From November 2015 – July 2019

Senior Researcher at Division of Neuromuscular Diseases and Neuroimmunology, Muscle Cell Biology Lab. Neurological Institute "C. Besta", Milano. Head of lab: Dr Marina Mora
Responsible of the genetic screenings and diagnosis with Sanger sequencing and Next Generation Sequencing.
Manage the Cells, tissues and DNA from patients with Neuromuscular Diseases (Directed by Dr. Mora).
Carry out projects on the characterization of in vitro models of neuromuscular diseases and in vitro and in vivo validation of pharmacological activity.

From October 2012 - October 2015

PhD student at Division of Neuromuscular Diseases and Neuroimmunology, Muscle Cell Biology Lab. Neurological Institute "C. Besta", Milano. Head of lab: Dr Marina Mora
Project focusing on the characterization of in vitro models of neuromuscular diseases and in vitro and in vivo validation of pharmacological activity.
Responsible of the genetic screenings and diagnosis with Sanger sequencing and Next Generation Sequencing.
Management of the Cells, tissues and DNA from patients with Neuromuscular Diseases (Directed by Dr. Mora).

From February 2008 - September 2012

Research fellowship at Division of Neuromuscular Diseases and Neuroimmunology, Muscle Cell Biology Lab. Neurological Institute "C. Besta", Milano. Head of lab: Dr Marina Mora
Project focusing on the characterization of in vitro models of neuromuscular diseases and in vitro and in vivo validation of pharmacological activity.
Management of the Cells, tissues and DNA from patients with Neuromuscular Diseases (Directed by Dr. Mora).

From January 2005 - January 2007

Training for thesis at the Pharmacology Laboratory of Synaptic Plasticity, Directors Professors Flaminio Cattabeni and Monica Di Luca
Title: "Role of CaMKII and SAP97 in the regulation of NMDA receptor density at the postsynaptic membrane"

EDUCATION AND TRAINING

From October 2012 - October 2015

PhD in Translational and Molecular Medicine

Universita' degli Studi di Milano Bicocca, Italy
Characterization and comparison of muscle fibrosis in two mouse models and *in vivo* test of an anti-fibrotic molecule

1999 - 2007

BS/MS in Pharmaceutical Chemistry and Technology
Universita' degli Studi di Milano, Italy

ACHIEVEMENTS AND AWARD

Editorial activity

Reviewer for scientific journals (i.e. Frontiers in Neurology, Annals of Clinical and Translational Neurology)

TEACHING ACTIVITY

From October 2020 - July 2021

NEUROBIOLOGICAL AND GENETIC FUNDAMENTALS (course title: SCIENCES AND TECHNIQUES PSYCHOLOGICAL)
Faculty of Psychology - Università Cattolica del Sacro Cuore

TECHNICAL SKILLS

Cell Biology: Primary and Secondary cell culture, Cell differentiation, Cell fractionation, management of biobank of primary cell culture.

Biochemistry: Immunoprecipitation, SDS-PAGE Electrophoresis, ELISA, Immunocytochemistry, Immunohistochemistry and Immunofluorescence.

Molecular Biology: protein extraction, DNA and RNA extraction and purification, Retrotranscription, PCR, Real Time PCR, DNA-RNA seq, Cloning, Miniprep and Maxi prep,

Library preparation for Next Generation Sequencing and data management and bioinformatics analysis

Other: Genotyping, cryosectioning, histological techniques, laboratory animal management, tissue removal and preparation