Anna Maria Pittaluga

Full professor

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Education and training

1990
PhD in Pharmacology and Toxicology
Universitry of Turin - Torino - IT

1983
MSc in Pharmacy
110/110
University of Genova - Genova - IT

1982
MSc in Pharmaceutical Chemistry and Technology
110/110 e lode
University of Genova - Genova - IT

Academic experience

2019 - ONGOING
Full Professor of Pharmacology
University of Genoa - Genova - IT

2004 - 2019
Associate Professor of Pharmacology
University of Genoa - Genoa - IT

1993 - 2003
Assistant Professor of Pharmacology and Pharmacognosy
University of Genoa - Genoa - IT

1990 - 1992
Research Fellow
Italian National Research Council - Genoa - IT

1988 - 1989
Foreign Research Associate College de France INSERM Unit 114
College de France - PAris - FR

Language skills

Italian	English	French
Mother tongue	Proficient	Independent

Research interests

Scientific experience
The following topics represent the main fields of her researches.
- Mechanisms of neurotransmitter release and its modulation by presynaptic ionotropic and metabotropic glutamate receptors under physiological and pathological conditions. GABA transmission and GABA receptors; noradrenergic transmission and receptors
- Receptor-receptor interactions and intraterminal pathways involved.
- Effects of HIV-1 viral proteins and chemokines on central neurotransmission under physiological and pathological conditions
-synaptic transmission and receptor functions in an animal model of multiple sclerosis, during development and aging, in conditions associated to anxiety and stress and depending on sex.
- Interaction between the immunocompetent system and the central nervous system, with particular attention to the complement and the chemokinergic systems.
- impact of nutraceutics on the central nervous system.

Grants

2021 - ONGOING

Glymphatic system a new player in the gut-brain axis. Natural resources to maintain homeostasis

Italian Ministery of Research - IT

Prin 2020SCBBN2003 - Pricipal investigator

2018 - ONGOING

Antidepressant drugs effect on the gender-dependent development of depressive behavior induced by early neuroinflammatory hit a multitask approach from mice to patients

Italian Ministery of Research - IT

201779W93T004 - Pricipal investigator

2018 - ONGOING

Clinical relevance of miR-142-3p as potential biomarker of synaptopathy in Multiple Sclerosis

Ministery of health - IT

RF-2018-12366144 - Pricipal investigator

2018 - 2021

FINNOVER
European ALCOTRA project - IT
Progetto n 1198 - - Pricipal investigator

2007 - 2013
PYRGI
European community - IT
cod B51H10000000006 - Pricipal investigator

2010 - 2014
BAMMBO
European community - IT
KBBE-2010-4Progetto collaborativi n 265896 - - Participant

2009 - 2011
Metabotropic glutamate receptors therapeutic tragtes for teh cure of neuroinflammation
MUR - IT
2009P7WHNR003 - - Pricipal investigator

2007 - 2009
Functional characterization of auto and hetero metabotropic receptors in the CNS
MUR - IT
200728AA57002 - Pricipal investigator