

Caterina Michetti

Assistant Professor (Fixed-term, RTDA)

EDUCATION AND TRAINING

2015

PhD in Pharmacology and Toxicology

Animal models of Autism Spectrum Disorders: behavioral, morpho-anatomical and pharmacological studies"

La Sapienza University and The Italian Institute of Health, Rome

2011

Master Degree in Neurobiology

La Sapienza University, Rome

2009

Bachelor degree in Biology

La Sapienza University, Rome

PROFESSIONAL HISTORY

Since 2021

Assistant professor (Fixed-term, RTDA)

Department of Experimental Medicine

University of Genoa

Since 2021

Affiliate Researcher

Center for Synaptic Neuroscience and Technology,

Italian Institute of Technology, Genoa

2015- 2021

Postdoctoral fellow

Center for Synaptic Neuroscience and Technology,

Italian Institute of Technology, Genoa

2014- 2015

Visiting Fellow

MRC Social, Genetic & Developmental

King's College London, London (UK)

February 2013

Visiting Researcher

Patrick Wild Centre for Research into Autism, Fragile X Syndrome and Intellectual Disabilities, and the Centre for Integrative Physiology

University of Edinburgh

EXPERIENCE

MAIN SEMINARS

19/09/2025 Social regression in a mouse model of autism stems from a latent phase of GABAergic dysfunction and sensory breakdown

Selected speaker

ITALIAN SOCIETY OF PHYSIOLOGY, TURIN

19/08/2025 Social regression: from a latent synaptopathy to an overt dysfunctions in multisensory social processing

Emerging group leader symposia

INTERNATIONAL SOCIETY FOR NEUROCHEMISTRY AND AMERICAN SOCIETY FOR NEUROCHEMISTRY, ISN-ASN 2025 NEW YORK, USA

20/09/2024 Animal health and experimentation: guidelines followed by researcher

Invited Speaker, workshop: Design of Rights for Animals, Nature and Future Generations

UNIVERSITÀ DEGLI STUDI SUOR ORSOLA BENINCASA, NAPLES

03/05/2024 Specific treatment strategies to control the neuronal hyperexcitability in different animal models of epilepsy

Speaker, First MNESYS Spoke 2 Meeting Neural Plasticity & Connectivity

UNIVERSITÀ LUIGI VANVITELLI, NAPLES

07/09/2023 Dysregulation of sensory cortical and hippocampal connectivity in a mouse model of neurodevelopmental disorders

Speaker and chair of symposia: The interplay between sensory and cognitive functions

ITALIAN SOCIETY OF PHYSIOLOGY, PISA

28/01/2023 Effect of low glycemic index diet in a mouse model of hereditary MTLE

Selected Speaker, meeting: Experimental Epilepsy

LEGA ITALIANA CONTRO L' EPILESSIA (LICE),

LA SAPIENZA UNIVERSITA' DI ROMA, ROME

22/01/2020 Excitation/inhibition imbalance and paroxysmal behavior in PRRT2 ko

Selected Speaker, meeting: Experimental Epilepsy

LEGA ITALIANA CONTRO L' EPILESSIA (LICE),

LA SAPIENZA UNIVERSITA' DI ROMA, ROME

GRANTS

2025-2026 Epilepsy linked toTBC1D24 Loss: pH-Targeted Pharmacological and

Nanotechnological Interventions, PI

ORPHAN DISEASE CENTER MILLION DOLLAR BIKE RIDE

2023-2025 SPRING BRAIN: Steer Plasticity to Remodel Initial Neurodevelopment by

spatiotemporally activating Genetically encoded engineered proteins in the BRAIN, PI

ITALIAN MINISTRY OF EDUCATION, UNIVERSITIES AND RESEARCH, PRIN-PNRR 2022

2022 ASD-GENESIS: from latent synaptopathy to overt dysfunctions in multisensory social processing, PI
UNIVERSITY OF GENOA, NEXT GENERATION EU 2022

PRIZES

2025 Emerging Group Leader Award
INTERNATIONAL SOCIETY FOR NEUROCHEMISTRY (ISN) AND THE AMERICAN SOCIETY FOR NEUROCHEMISTRY (ASN), ISN-ASN 2025 MEETING

2014 Development travelling fellowship
COMPANY OF BIOLOGISTS

2014 Travel fellowship "Borsa di Perfezionamento all'estero" (8 months)
LA SAPIENZA UNIVERSITÀ DI ROMA

2013 Travel Grant to attend the conference "IBANGS meeting" Leuven, Belgium
INTERNATIONAL BEHAVIOURAL AND NEURAL GENETICS SOCIETY (IBANGS)

2013 Fellowship to attend the conference "XX SINS National Conference", Rome, Italy.
SOCIETÀ ITALIANA DI NEUROSCIENZE (SINS)