



ISTITUTO ITALIANO
DI TECNOLOGIA
IIT CENTER FOR SYNAPTIC
NEUROSCIENCE AND TECHNOLOGY



Università
di Genova

DIFAR DIPARTIMENTO
DI FARMACIA

Monday, December 15, 2025 - 12:00

Seminar | "Anatomical Characterization of Glutamatergic Synapses in Health and Disease"

Luca Discepolo, M. Sc.

PhD Candidate, University of Bristol (UK)

Disney Room - Ground floor CBA
IRCCS Osp. San Martino, Genova



Online: <https://shorturl.at/pVNGO>

Hosted by Prof. Giorgio Grasselli and Prof. Fabio Benfenati

Abstract

The seminar will discuss region-specific synaptic development and the impact of genetic mutations on neural circuitry by analyzing the maturation of excitatory synapses across distinct cortical regions in wild-type mice and in the dentate gyrus of a mouse model of Angelman Syndrome.

Biography

Luca Discepolo is a Ph.D. candidate in Translational Health Sciences at the University of Bristol. His research focuses on synapse development in cortical circuits, with applications to neuropsychiatric and rare diseases (e.g. Angelman Syndrome). He has conducted preclinical research at Roche (Basel, Switzerland) and at Oxford. His expertise spans histology, confocal microscopy and electrophysiology.
