

Dr. Papaleo is the group leader of the Genetics of Cognition laboratory which is part of the Neuroscience and Brain Technologies department of the Istituto Italiano di Tecnologia, located in Genova. Based on the specific training between basic scientists and clinicians that Dr Papaleo acquired during his formative periods in Italy (University of Padova 1996-2002), in France (INSERM and University of Bordeaux 2002-2005) and in USA (NIH/NIMH 2005-2010), at the IIT he has been implementing and applying a translational medicine approach combining mouse-human studies, beginning at the behavioral level and culminating at the cellular and molecular levels. In particular, his laboratory is focused on 1) gene-gene and gene-environment interactions, 2) how schizophrenia-relevant genetic mutations alter developmental trajectories from birth to adolescence to adulthood, in an early detection and early intervention prospective, 3) personalized healthcare based on genetic variations. Dr. Papaleo generated important new findings published in more than 40 journals (including in Molecular Psychiatry, PNAS, Neuron, Biological Psychiatry, Cell Reports, Neuropsychopharmacology etc.). His contributions constitute in IIT a unique bridge between the technological and basic science research areas and the more clinical/medical areas. Importantly, this program has already attracted important international and national funding including agencies such as the European Marie Curie, Roche Pharma, the Brain and Behavior research foundation, NARSAD, Italian Ministry of Health, the USA NIH/NIMH, Compagnia di San Paolo, AIFA and Boehringer Ingelheim Pharma.