

**Giuseppe Testa** is Full Professor of Molecular Biology at the University of Milan, Head of the Center for Neurogenomics of the Human Technopole and Director of the High-Definition Disease Modelling Lab: Stem Cell and Organoid Epigenetics at the European Institute of Oncology, where he also co-founded the interdisciplinary PhD program on Life Sciences, Bioethics and Society (Foundations of the Life Sciences and Their Ethical Consequences, Folatec). A three times European Research Council (ERC) awardee, he holds an MD from the University of Perugia, a PhD from the European Molecular Biology Laboratory in Heidelberg, an MA in Health Care Ethics and Law from the University of Manchester and has been a fellow in the Program on Science, Technology and Society at the Harvard Kennedy School sponsored by the Branco Weiss Society-in-Science program. His lab spearheads stem cell and organoid-based patient-specific models for neurodevelopmental disorders and cancer, focusing on genetic and environmental causes of chromatin dysregulation as a shared and increasingly relevant layer of pathogenic mechanisms. Starting from densely phenotyped clinical cohorts and integrating multi-layered omics, single cell dynamics and high-end computing, the aim is to advance a foundational framework for precision oncology and neuropsychiatry. Key accomplishments include the development of new genome engineering technologies, the characterization of novel enzymes required for neural development, the first reprogramming-based models of human diseases caused by symmetric gene dosage imbalances, the single cell omics-based mechanistic dissection of human corticogenesis in brain organoids, and the identification of the master regulator gene underlying the evolution of the modern human face. A further unique accomplishment is the successful pursuit of a parallel career as practicing life scientist and scholar in Bioethics and Science and Technology Studies (STS). His STS and bioethics scholarship focuses on the relationship between the life sciences and the evolution of modern democracies. His scientific and bioethics/STS work has appeared in leading peer-reviewed journals. He is the author, with Helga Nowotny, of *Naked Genes: Reinventing the Human in the Molecular Age*.