

Marta Valenza received her master's degree in Biological Sciences in 2001 and PhD in Pharmacology applied to biotechnology in 2006 at University of Milan. From May 2021, she is associate professor of Pharmacology at the department of Biosciences, University of Milan. Her scientific training has been formed in the laboratory of Stem Cell Biology and Pharmacology of Neurodegenerative diseases, University of Milan, under the supervision of Prof. Elena Cattaneo. Since the beginning of her research activity is focused on early pathogenic mechanisms that contribute to Huntington's disease (HD) pathology. In particular, she contributed to identify a decrease of brain cholesterol biosynthesis as a new dysfunction in HD, the underlying molecular mechanism and (iii) its biological relevance in different HD animal models. She is currently focusing on the development of new therapeutic cholesterol-based strategies in HD animal models that can be translated into effective treatments for patients.