



Dr. Maurizio D'Antonio earned his MSc from the University of Milan in 1998 and his PhD in Cell and Molecular Biology from University College London in 2005. In 2014, he established his independent research program as Group Leader of the Biology of Myelin Unit at San Raffaele. Dr. D'Antonio's lab focuses on Schwann cell myelination and employs transgenic mouse models to investigate the pathomechanisms underlying various forms of Charcot-Marie-Tooth (CMT) disease. His pioneering work identified the activation of the unfolded protein response (UPR) as a key mechanism in many CMT mutations. Currently, his laboratory is dedicated to understanding how misfolded myelin proteins drive disease progression and exploring therapeutic strategies to target the UPR. He currently serves as board member for the Charcot-Marie-Tooth and related neuropathies consortium (CMTR) and as a scientific advisory board member for the American Charcot-Marie-Association(CMTA).