

Dr. Boletta graduated in Biology from the University of Pavia, Italy. She carried out her doctorate-equivalent training at the Mario Negri Institute in Bergamo and San Raffaele in Milano, Italy, working on gene delivery to the kidney. She went to Johns Hopkins University, USA, for her postdoctoral training. Here, she began her scientific activity on Polycystic Kidney Disease, working on heterologous expression of Polycystin-1 aimed at establishing cellular models to investigate the Polycystins function.

With support from a Telethon Career Program and a Marie Curie Excellence Award, Dr. Boletta moved back to Italy to establish her lab at the San Raffaele Scientific Institute in Milan. Here, she took on the position of Director for the Division of Genetics and Cell Biology (2014-2019), and she is currently Head of Research Unit. Over the years, her lab has developed several cellular and animal models to study Polycystins function and the pathophysiology of ADPKD. Her laboratory has identified metabolic reprogramming as an important feature of the disease, offering several new options for therapy as well as novel insights into the pathogenesis of ADPKD. In 2022 she was awarded the Lillian Jean Kaplan International Prize for excellence and leadership in Polycystic Kidney Disease (PKD). She is currently a member of the PKD Foundation Scientific Advisory Board.