

Martina Semenzato

Martina Semenzato, Ph.D., is a cardiovascular and mitochondrial biology researcher at the University of Padova, Italy, and the Veneto Institute of Molecular Medicine. She earned her Ph.D. in Biochemistry and Biotechnology from the University of Padova in 2010 and has since developed extensive expertise in mitochondrial dynamics, mitophagy, autophagy, and redox signaling in cardiac pathophysiology. Following multiple postdoctoral fellowships, she has led and contributed to research programs investigating mitochondrial mechanisms in ischemia-reperfusion injury, heart failure, and cardiac remodeling. Dr. Semenzato has co-authored numerous peer-reviewed publications in high-impact journals including *Cell Metabolism*, *Nature Cancer*, *PNAS*, and *Redox Biology*, and serves as a guest editor and reviewer for international journals. She currently holds an RtdA research position in the Department of Biology at Padova and continues to focus on mitochondrial mechanisms underlying cardiac disease.