

## **Anna Zoccarato**

Anna Zoccarato obtained her BSc and MSc in Biotechnology from the University of Padova (Italy). She then pursued her PhD at the University of Glasgow under the supervision of Prof Manuela Zaccolo. Following her doctoral studies, she joined the lab of Prof Ajay Shah at King's College London as a Research Associate, where she focused on investigating the role of NADPH oxidase 4 (NOX4) and of the transcription factor NRF2 in modulating cardiac metabolism in response to stress. Currently, Anna is a Lecturer and Group Leader at the School of Cardiovascular and Metabolic Medicine & Sciences at King's College London, UK. Her research aims at understanding the contribution of changes in cardiac metabolism to heart failure. Particularly, she focuses on defining, at the cellular and molecular level, how alteration of glucose intermediary metabolism impacts on biosynthetic processes and signalling pathways contributing to stress-induced pathological cardiac remodelling. In her investigations, she employs a comprehensive range of methodologies, including in vivo models of pathological cardiac remodelling, in vitro disease-modelling using human cardiomyocytes from induced pluripotent stem cells (iPSCs) and engineered heart tissue (EHTs), molecular biology techniques, and stable isotope-resolved metabolomics.