

## **Claudio Mauro**

Professor Mauro graduated from the University of Naples “Federico II” in Italy with a combined 5-year BSc and MSc degree in Medical Biotechnology in 2002 followed by a PhD in Molecular Oncology and Endocrinology in 2007. During his PhD (2002-07), he studied the pro-inflammatory and anti-apoptotic response controlled by the NF- $\kappa$ B family of transcription factors. In these studies he discovered novel mechanisms of activation of NF- $\kappa$ B downstream of TNF receptors and upon endoplasmic reticulum stress as well as the contribution of NF- $\kappa$ B activity to thyroid tumourigenesis. During his post-doc (2007-11) – supported in part by a Foundation Fellowship awarded from the Italian Association for Cancer Research –, he worked both at the University of Chicago in the USA and Imperial College London at the identification of the molecular mechanisms linking inflammation and metabolism in the adaptive immune system and in cancer. In 2011, he moved to the William Harvey Research Institute at the Barts and The London School of Medicine and Dentistry at Queen Mary University of London, where he focused on the investigation of the metabolic control of immune cell effector functions and the implications of the metabolic dependence of immune responses in inflammatory conditions. Through this work he obtained a prestigious Intermediate Basic Science Research Fellowship from the British Heart Foundation in 2012 (until 2019) alongside other competitive research grants, and published a number of papers in the field (e.g., PLOS Biol 2015, Cell Metab 2017, Nat Commun 2017, Immunity 2017). In 2018 he joined the Institute of Inflammation and Ageing at the University of Birmingham as a Professorial Research Fellow in Metabolism and Inflammation to lead a group working on basic and translational aspects of immunometabolism (e.g. Cell Metab 2019, Cardio Res 2020, Nat Immunol 2024, Nat Metab 2025), and in 2020 was promoted to Professor of Metabolism and Inflammation.