

Rossana RAUTI – CV

Biography: Dr. Rossana Rauti graduated in Chemistry and Pharmaceutical Technologies at the University of Calabria, Italy, in 2010, and obtained a Ph.D. in Neuroscience and Cognitive Sciences by the University of Trieste, Italy, in 2014. She was trained in electrophysiology, calcium imaging and high-resolution microscopy as a Post-Doc at the Department of Neuroscience of the International School for Advanced Studies, SISSA, Trieste, Italy. Her research focused on the interactions between living neurons and carbon-based nanomaterials, such as carbon nanotubes and graphene. In 2019, she moved to Tel Aviv University (Israel), in the Department of Biomedical Engineering, where she focused on developing novel in vitro systems, such as Organs-on-a-Chip, to investigate neurovascular crosstalk, both in physiological and pathological conditions. Currently, she is a faculty member Assistant Professor, in the Department of Biomolecular Sciences, at the University of Urbino Carlo Bo, Urbino (Italy). She is also a group leader in the Neurophysiology Lab at the University of Urbino. Recently, she won an award as one of the most promising researchers at the University of Urbino. Her current research focuses on developing new methods for studying human physiology, focusing on the brain and novel nanotechnological tools for brain injury repair.