

Eleonora Cianflone is a PhD and Assistant Professor of Biotechnology at the Department of Medical and Surgical Sciences of the University Magna Graecia of Catanzaro (UMG). She obtained her Master degree in Cellular and Molecular Biology at the University of Rome Tor Vergata in 2013 and in 2014 she joined the laboratory of Cellular and Molecular Cardiology at UMG as a M.Phil. Student in “Stem Cell Biology and Regenerative Medicine” obtaining the M.Phil. degree in 2015. In the same year she was enrolled as a Ph.D. student at UMG in the Ph.D. School of Biomarkers of Chronic and Complex Diseases. In April 2018 she joined the Laboratory of Physiology and Cellular Biophysics directed by Doctor A. Marks at Columbia University, New York, where she worked until the end of August 2018. In September she moved to work in the Laboratory of Cardiac Physiology directed by Doctor Marcello Rota at New York Medical College, Valhalla, NY, where she improved her skills in small animal surgery, while also learning the main assays to study cardiac cell physiology in vitro and in vivo. In March 2019 she obtained the PhD degree in Biomarkers of Chronic and Complex Diseases at UMG. She has published 20 articles in peer reviewed journals, with some of high impact like Cell Death and Differentiation, European Heart Journal and Nature. She is currently working on the characterization of a new genetic fate map mouse strategy to assess the myogenic regenerative potential of endogenous Cardiac Stem/progenitor cells (CSC) in the adult life as well as on the characterization of CSC isolated from human hearts with the aim to improve their regenerative paracrine potential to translate these data to novel therapeutic approaches to be tested in the clinical scenario.

