

Simone Dinarelli got his master's degree in biophysics in 2011 and he was awarded his PhD in Biochemistry in 2015. From 2012 to 2020 he worked at the Institute for the Structure of Matter of the Italian National Research Council (ISM-CNR), then he spent 2 years as a post-doc at the Department of Basic and Applied Science for Engineering (SBAI) at Sapienza, University of Rome and from February 2022 he is a full researcher at the Institute for the Structure of Matter of the Italian National Research Council (ISM-CNR). His research activity is focused mainly on the study of the behaviour of biological specimens (from single cells to bacteria and proteins) under different environmental conditions as well as chemical and mechanical stresses. During his career he developed characterization techniques at the micro- and nanoscale. Thanks also to fruitful international collaborations that granted the possibility to spending work periods in various European countries (Switzerland, United Kingdom, Netherlands, and Bulgaria), he exploited the use of several Atomic Force Microscopes (AFM), Scanning Electron Microscopes (SEM) and Raman Spectrometers. He is principally an expert AFM user, and his experience ranges from home-designed microscopes to commercial ones from Veeco, Bruker, JPK, NT-MDT and Nanosurf. He is author or co-author of more than 50 scientific reports and publications, of which 30 are published in international peer-reviewed journals.