

**Short Bio:**

Andrea Maria Chiariello is Assistant Professor (RTDB) in Theoretical Physics, Mathematical Methods and Applications at Physics Department, University of Napoli Federico II. He received his PhD in 2017 in the same institution, followed by Post Doc positions in Salerno and Napoli and frequent periods as visiting researcher at Max Plack for Molecular Genetics and Max Delbruck Center for Molecular Medicine in Berlin. He also has a research responsibility position at Italian Institute of Nuclear Physics (INFN), Napoli section. He is been member since several years of important projects within national and international networks focused on chromatin organization, including 4D Nucleome consortium in US.

His research focuses on development of theoretical and computational physics methods to investigate biological and ecological systems, including chromatin organization, phase-separation of protein condensates, polymer adsorption on membranes processes, viral microbiology and epidemiological models of viral spreading.