

## ***SHORT CV***

### **Mario Nicodemi**

I am a Theoretical Physicist. After my PhD (1996), I worked at *ESPCI* in Paris, *Imperial College* London, and at the *UK Complexity Science Centre* in Warwick. I am now based in the Physics Department of the University of Naples *Federico II*, and Visiting Professor at the *Max Delbrück Center for Molecular Medicine* in Berlin. I serve in international panels for the management of research and its resources, including the *Agence Nationale de la Recherche* (ANR) in France, and in the EPJP and FPB boards. I am the *coordinator of IS-BioPhys*, the INFN national project on the applications of the methods of Theoretical Physics in Biology. I am a member of *The 4D Nucleome consortium* of the NIH in the US, and of the *Berlin Institute of Health*. With B. Kobilka, the 2012 Nobel laureate in Chemistry, in 2016 I was the recipient of the *Einstein Fellowship Award* at MDC by the *Einstein Foundation*. My research field is *Statistical Physics of Complex Systems* and its applications to Molecular Biology. In recent years I contributed, in particular, to the understanding of the complex three-dimensional architecture of the genome and its links with gene regulation, by developing new technologies, physics models, advanced computer simulations, and high-throughput data analyses.