Speaker Profile

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Professional summary

Giancarlo Tria received a master's degree in Artificial Intelligence from the University of Bari (Italy) in 2010, defending a thesis "*Automated Generation of a Knowledge Base from Biomedical Documents*". Starting in 2008, he was also employed as a fellowship bioinformatician at MBLab (Molecular Biodiversity LABoratory) c/o IBM Italy in Bari.

Between 2010 and 2014, he earned a PhD in Computational Structural Biology at the European Molecular Biology Laboratory (EMBL, Hamburg), defending a final thesis on "*Joint Use of Small Angle X-ray Scattering with High-Resolution Methods to Study Flexible Biological Macromolecules.*" In 2014, he was also a visiting researcher at Nanyang Technological University (Singapore), where he contributed both experimentally and computationally to the optimization of the in-house BioSAXS instrumentation.

Since 2015, he has embraced transmission electron cryo-microscopy (cryoTEM) on proteins, initially as post-doc at Maastricht University (Netherlands) and later as scientist at Sosei Heptares (now Nxera Pharma, Cambridge, UK). In 2019, he joined the Chemistry Department of the University of Florence, where he contributed to the design, setup, and daily management of the newly established public access electron cryo-microscopy facility for the structural characterization of (macro)molecules and soft matter (Florence Center for Electron Nanoscopy, FloCEN).

In May 2023, he joined CNR as Research Infrastructure Manager of the PNRR project *ITACA.SB*, a nationally distributed public access facility for integrative structural biology studies.