

Biosketch:

Francesca Coscia graduated in chemistry at University of Naples, where she also obtained a Master in Biostructures in 2009, working in the group of Filomena Sica on the X-ray crystal structure of an angiogenic RNases.

In 2014 she obtained her PhD at the Institute of Structural biology in Grenoble (FR) under the supervision of Carlo Petosa and Guy Schoehn. Here, she developed a method to determine cryo-EM structures of small proteins by genetic fusion to symmetric scaffolds.

In 2015 she moved to Birkbeck college (London, UK) as a PostDoc in Elena Orlova's group to work on Papillomavirus helicases by cryo-EM.

In 2017 she joined the the group of Jan Löwe at the MRC laboratory of molecular biology. Here, using single particle cryo-EM, she determined *de novo* the structure of human thyroglobulin and unravelled how it forms thyroid hormones.

For her work she received in 2020 the Brenner PostDoc prize for outstanding research at MRC-LMB and in 2021 The European Thyroid Association Lecture award and recently the Prize for the Thyroid Physiopathology from the Italian National Academy of the Lincei.

In 2021 she became a Group Leader at the Human technopole (Milan, IT), where she is further investigating the molecular mechanisms of thyroid function and disease. In 2022 she has been awarded the ERC Starting Grant for the project THYROMOL, to investigate thyroid hormone regulation from atoms to organoids.