

## Prof. Maurizio Fraziano

### Full Professor of Microbiology

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## Professional Profile

Prof. Maurizio Fraziano is Full Professor of Microbiology at the Department of Biology, University of Rome “Tor Vergata”. For over twenty years, he has carried out research in the fields of Microbiology and Immunology, focusing on the cellular and molecular mechanisms of microbial pathogenicity and host immune responses, particularly during infections caused by *Mycobacterium tuberculosis* and other opportunistic pathogens.

Among his most innovative contributions is the development of a novel immunotherapeutic strategy based on apoptotic body-like liposomes, capable of restoring macrophage microbicidal signaling pathways often disrupted by intracellular pathogens or associated comorbidities. The efficacy of this approach has been demonstrated in multiple experimental models (*in vitro*, *ex vivo*, and *in vivo*) of infection by *M. tuberculosis*, *M. abscessus*, *Pseudomonas aeruginosa*, and *Klebsiella pneumoniae*.

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## Scientific Activity

Prof. Fraziano is co-author of numerous peer-reviewed articles published in international journals indexed in PubMed. He has an H-index of 27 and a total of 2,058 citations (Scopus data).

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## Education

- **1992–1996** Ph.D. in "Cytodifferentiation and Morphogenesis" – University of Rome “Tor Vergata”
  - **1992** M.Sc. in Biological Sciences – University of Rome “La Sapienza”
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