

## CURRICULUM VITAE



### Personal notes

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Nationality Italian

Date of birth 28-11-1955

**Competences** Organic Chemistry, Colloids

### Positions

Since July 2020 Director - Consiglio Nazionale delle Ricerche (CNR)-Istituto per i Sistemi Biologici (ISB)  
January 2019-June 2020 Acting Director - CNR-ISB  
June 2018-January 2019 Acting Director - CNR-Istituto di Metodologie Chimiche (IMC)  
June 2014-June 2018 Director - CNR-IMC  
Since November 2001 CNR Senior research scientist  
1988-2001 CNR scientist

### Education

1989 Ph.D. in Chemical Sciences - Chemistry Department - University of Rome "La Sapienza"  
1984 Donegani fellowship. Institute of Biological Sciences - University of Rome "La Sapienza"  
1980 Master of Science. University of New Brunswick, Canada  
1979 Laurea degree in Chemistry. University of Rome "La Sapienza"

### Scientific activity and management

Since 2021 In charge of LIMONE project (Lipid nanoparticles to reach the motoneuron) granted by Regione Lazio (Progetti Gruppi di Ricerca 2020)  
2021 In charge of a research unit of BioSanWorkPlace project granted by Regione Lazio (Avviso Pubblico Emergenza Coronavirus e Oltre)  
Since 2019 In charge of a research unit of PRIN project " BacHounds: Supramolecular nanostructures for bacteria detection  
2018-2021 In charge of LIPOBARR project (Lipid nanoparticles to cross the blood brain barrier) granted by Regione Lazio (Progetti Gruppi di Ricerca, Legge 13/2008-art. 4)  
2015-2017 In charge of Institute project 'Infrastrutture, metodologie chimiche, nuove tecnologie applicate allo sviluppo delle imprese' (ITER) granted by Regione

Lazio (Regione Lazio Lr 13/2008 Avviso Pubblico "Progetti di ricerca presentati da Università e Centri di Ricerca")

- 2013-2016 In charge of a research unit of PRIN project "Italian Network for the Development of Multivalent Nanosystems" (MULTINANOITA)
- 2013-2015 In charge of a research unit of FP7-SME-2012 project "A new methodology based on an advanced molecular probe for early detection of DPD enzyme deficiency in oncological patients, also enabling a personalised and effective drug management" (CARESS)
- 2012-2014 In charge of a research unit and technical manager of FP7-SME- 2011 project "On-line industrial water quality analysis system for rapid and accurate detection of pathogens" (AQUALITY)
- 2010-2011 In charge of a research unit of PRIN project "Mono- and multivalent ligands for human galectins: new molecular tools and functionalized nanoparticles for tumor diagnosis and therapy"
- 2009-2010 Coordinator for the Italian part of the bilateral project "Bolalipids for oral and systemic drug delivery" (BOLALIP). Ministero degli Affari Esteri, Italy-Israel R&D Cooperation Program 2008
- 2008-2009 In charge of FILAS project "Photolipo"
- 2004-2007 Coordinator of the FIRB project "Preparation and characterization of liposomes as membrane models and drug carriers in Photo Dynamic Therapy"
- 1999-2003 Coordinator of the project "Chiral Recognition in Selfassembled Systems" of COST action D11 (Supramolecular Chemistry)

#### **Publications**

The results of the scientific activity are reported in 153 papers published on international journals, ~180 communications to conferences and 3 patents.  
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#### **Contracts with companies**

In charge of research contracts with Italian and international companies: INNOVA, Procter & Gamble, Bridgestone, Sigma Aldrich

#### **Research fields**

Colloid chemistry focused on the synthesis of new surfactants and lipids and on the development of new liposome formulations as drug delivery systems and sensor elements.

Expression of chirality in biomembrane models, and transfer of chirality from molecules to complex systems

#### **Mother language**

Italian

#### **Other Languages**

English

Rome, June 27, 20021

*In compliance with the Italian legislative Decree no. 196 dated 30/06/2003, I hereby authorize the use and process of my personal details contained in this document."*