



Flavio Costa

Email address: f.costa@uniroma1.it

WORK EXPERIENCE

01/11/2022 – CURRENT Rome, Italy

RESEARCHER SAPIENZA UNIVERSITY OF ROME

EDUCATION AND TRAINING

24/01/2023 Rome, Italy

PHD IN THEORETICAL AND APPLIED MECHANICS Sapienza University of Rome

25/07/2019 Rome, Italy

MASTER'S DEGREE IN MEDICAL BIOTECHNOLOGY Sapienza University of Rome

20/12/2017 Rome, Italy

BACHELOR'S DEGREE IN BIOTECHNOLOGY

LANGUAGE SKILLS

Mother tongue(s): **ITALIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	B2	B2	B2	B2	C1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

PUBLICATIONS

2024

[Membrane Composition Allows the Optimization of Berberine Encapsulation in Liposomes](#)

2023

[An integrated approach including docking, MD simulations, and network analysis highlights the action mechanism of the cardiac hERG activator RPR260243](#)

2023

[Noncanonical electromechanical coupling paths in cardiac hERG potassium channel](#)

2022

[Molecular dynamics simulations suggest possible activation and deactivation pathways in the hERG channel](#)

2021

[Exploring Kv 1.2 Channel Inactivation Through MD Simulations and Network Analysis](#)

● **DRIVING LICENCE**

Driving Licence: B

● **CONFERENCES AND SEMINARS**

25/09/2024 – 27/09/2024 Ancona

The 4th DiSVA-MaSBIC Symposium

Contribution: selected talk

31/07/2023 – 04/08/2023 Stockholm

European Biophysical Conference

Contribution: poster

19/04/2023 – 20/04/2023 Rome

Biophysics@Rome 2023

Contribution: presentation

13/10/2022 – 14/10/2022 Ancona

The 2nd DiSVA-MaSBIC Symposium

Contribution: poster

20/06/2022 – 23/06/2022 Poreta

From biology to bioinspiration: theory, simulation, and experiments for biophysical systems

Contribution: flash presentation

16/09/2021 – 17/09/2021

The 1st DiSVA-MaSBIC Symposium

Contribution: presentation

24/07/2021 – 28/07/2021 Vienna

European Biophysical Conference

Contribution: poster

23/06/2021 – 26/06/2021 Sant'Anna in Camprena

Phase transitions at nanoscale: wetting of nanopores, cluster formation and nanofriction

Contribution: flash presentation

22/02/2021 – 26/02/2021 Virtual

65th Annual Meeting of the Biophysical Society

Contribution: poster

02/02/2021 – 05/02/2021 Virtual

Frontiers in ion channels and nanopores: theory, experiment, and simulation

Contribution: poster

13/09/2020 – 16/09/2020 Rome

Multiscale simulations and biological channels

Contribution: flash presentation

● **HONOURS AND AWARDS**

2023

ISCRA-C – Italian SuperComputing Resource Allocation

2022

ISCRA-C – Italian SuperComputing Resource Allocation

2021

Avvio alla Ricerca 2021 – Initial Research Projects funded by Sapienza University of Rome

2020

Avvio alla Ricerca 2020 – Initial Research Projects funded by Sapienza University of Rome

Autorizzo il trattamento dei dati personali ai sensi dell'attuale Decreto Legislativo (art. 4 D.Lgs. 196/03)

Roma , 25/10/2024