



## Personal information

Surname(s) / First name(s)

**Guidarelli Mattioli, Francesco**

## Research Project

Title and Date

Study of large helicase proteins via full-atom Molecular Dynamics, 2020-now

Title and Date

Study of Deep Neural Network Potential for biological and soft matter systems, 2021-now

## Education

Place and Date

Phd in physics, University of Rome La Sapienza, 2021-now

Place and Date

Scuola Internazionale di Studi Superiori Avanzati (SISSA), 2020-2021

Title of qualification awarded

Visiting Student

Place and Date

University of Rome La Sapienza, 2018-2020

Title of qualification awarded

MSc in Biophysics

Place and Date

University of Rome La Sapienza, 2016-2018

Title of qualification awarded

BSc in Physics

Place and Date

University of Rome La Sapienza, 2013-2016

Title of qualification awarded

BSc in Biomedical Engineering

## Awards

Second degree

During my studies in biomedical engineering, I developed a strong interest for physics. After I graduated in Biomedical engineering, I moved to physics and I got a second bachelor's degree, in physics.

## Language

Mother tongue(s)

**Italian**

Other language(s)

English

*Self-assessment  
European level<sup>(\*)</sup>*

**English**

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B2

<sup>(\*)</sup> Common European Framework of Reference (CEF) level

## Teaching experience

Exercise lectures, 150 h

"Classical physics", for the biological sciences course, University of Rome La Sapienza, 2019-2020.

Lab Assistant, 150 h

"Mechanics and Electromagnetism Laboratory" for physics course, University of Rome La Sapienza, 2018-2019.

**Additional information**

Programming language

Fortran, C, Python, Matlab, R. TensorFlow python and c/c++ for Deep Learning.

Molecular Dynamics  
simulation and  
visualization software

AMBER, GROMACS, VMD

Autorizzo il trattamento dei miei dati personali presenti nel curriculum vitae ai sensi del Decreto Legislativo 30 giugno 2003, n. 196 e del GDPR (Regolamento UE 2016/679). Al fine della pubblicazione.

F.to Francesco Guidarelli Mattioli