Andrea Ripamonti

Date of birth: 21/06/1999 | **Nationality:** Italian | **Email address:**

andrea.ripamonti@outlook.com | **Address:** Legnano (Milano), Italy (Home)

EDUCATION AND TRAINING

01/11/2024 – CURRENT Milan, Italy
PHD STUDENT IFOM

The PhD project focuses on quantitative modeling of protein homeostasis in eukaryotes, integrating experiments, data analysis, and principles of physics.

Website https://www.ifom.eu | **Field of study** Natural sciences, mathematics and statistics | **Level in EQF** EQF level 8

01/05/2024 – 30/10/2024 Milan, Italy
TEMPORARY FELLOW IFOM

Data analysis and mathematical modeling of cellular growth processes, particularly in *S.cerevisiae* and human cell lines.

Website https://www.ifom.eu | **Field of study** Statistical Physics and Quantitative Biology

10/2021 – 04/2024 Milan, Italy
MASTER'S DEGREE IN PHYSICS Università degli Studi di Milano

Thesis topic: physical models and data analysis in quantitative biology for regulatory mechanisms in microbial cells.
Supervisor: Prof. Marco Cosentino Lagomarsino (IFOM and Università degli Studi di Milano)

Website www.unimi.it | **Field of study** Statistical Physics, Biophysics | **Final grade** 110/110, cum Laude |

Level in EQF EQF level 7 | **Type of credits** CFU | **Number of credits** 120 |

Thesis Physical Modeling of Cell Growth: The Role of Transcriptional Competition and Protein Turnover

09/2018 – 07/2021 Milan, Italy
BACHELOR'S DEGREE IN PHYSICS ENGINEERING Politecnico di Milano

Thesis topic: numerical simulations in non-linear optics and quantum mechanics.
Supervisor: Prof. Giuseppe Della Valle (Politecnico di Milano)

Website www.polimi.it | **Final grade** 110/110, cum Laude | **Level in EQF** EQF level 6 | **Type of credits** CFU |

Number of credits 180 | **Thesis** Propagation of two-dimensional Airy beams in non-linear optical media

09/2013 – 07/2018 Legnano, Italy
HIGH SCHOOL DIPLOMA I.T.I.S. Antonio Bernocchi

Liceo Scientifico - opzione Scienze Applicate

Website www.isisbernocchi.edu.it | **Final grade** 100/100, cum Laude | **Level in EQF** EQF level 4

CONFERENCES AND SEMINARS

03/06/2024 – 07/06/2024 ICTP, Trieste
Physics of Living Systems (PoLS) Meeting 2024

Poster presentation: "Quantitative modeling of fitness load from proteostasis stress in cancer cells"

LANGUAGE SKILLS

Mother tongue(s):   **ITALIAN**

Other language(s):

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

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

DIGITAL SKILLS

Programming Languages, Softwares:

C++ │ Python │ MATLAB │ CUDA │ LaTex │ Microsoft Office │ R

HONOURS AND AWARDS

09/2019
Best Freshmen Award – Politecnico di Milano

University scholarship for the highest-achieving first-year students.

01/10/2018
"Fondazione Famiglia Legnanese" scholarship – Fondazione Famiglia Legnanese

Merit-based scholarship for high school students

07/2018
Enrollment in the Italian National Register of Excellence – Italian Ministry of Education

OTHER ACTIVITIES

Tutoring

During my university years, I provided private tutoring sessions in mathematics, physics, and chemistry to high school students, focusing on improving their understanding and performance in these subjects.

Hobbies and interests

In addition to physics, I am becoming increasingly interested in biology and evolution.
I enjoy playing basketball and running.

DRIVING LICENCE

Driving Licence: B