

RICCARDO FOFFI

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PERSONAL PROFILE

Passionate physics student with a strong interest in computers and biology. Amateur microscopist. Fond of scientific essays, fantasy novels and short stories. Roleplayer. Avid listener of rock, fusion and electronic music. Career goals: scientific research, teaching and outreach.

RESEARCH INTERESTS

- Supercooled water, structure and dynamics
- Cell biophysics, morphology, mechanical properties, cytoskeleton
- Active matter, collective phenomena, hydrodynamic interactions, motility and navigation in complex environments
- Microbiomes, stability, competition, function

EDUCATION

(2019-2021) Sapienza Università di Roma

Master's degree in Physics (Biosystems)

Thesis title: Structural properties of supercooled water
Advisor: Prof. Francesco Sciortino
Grade: 110/110 cum laude

(2015-2018) Sapienza Università di Roma

Bachelor's degree in Physics

Thesis title: Markov Chain Montecarlo
Advisor: Prof. Enzo Marinari
Grade: 109/110

(2010-2015) Liceo Scientifico Statale "Primo Levi"

Scientific High School Diploma

Grade: 73/100

OTHER LEARNING EXPERIENCES

- (2020) APS & ICTP-SAIFR Young physicists forum on biological physics: from molecular to macroscopic scale (Bio2020)

SKILLS

- Languages: italian(native), english(B2/C1)
- Programming: Julia, Python, C, Bash, JavaScript
- Productivity with office tools (LaTeX, LibreOffice)
- Basic graphic manipulation skills (GIMP, Inkscape, Tikz)
- Good knowledge of Linux operating systems
- Basic knowledge of electronics and Arduino
- Laboratory experience(cellular culture, optical microscopy, light-controlled bacterial motility)
- Molecular Dynamics software (GROMACS, OxDNA)