Ph.D course in Physics and Chemistry of the Biological Systems

Head of the Ph.D course: Prof. Giovanni Bussi
Web site: Physics and Chemistry of the Biological Systems

Research lines:
- Structural bioinformatics
- Statistical mechanics of complex molecular systems
- Self-assembly
- Biomolecular simulations
- Simulations of rare events
- Data science of complex and biomolecular systems
- Polymer physics
- Bayesian statistical models applied to high-dimensional biomedicine (data science fellowship)

Fellowships available:
- Physics and Chemistry of the Biological Systems: 4
- Bayesian statistical models applied to high-dimensional biomedicine: 1

Admission:
- Academic and scientific qualifications + written exam + oral exam

Beginning of the Courses: 1 October, 2020

Evaluation of academic and scientific qualifications: 10 points

Access to Written Exam: minimum mark of 7/10 in the academic and scientific qualifications evaluation up to a maximum of 12 admitted candidates

Evaluation of Written Exam: 40 points

Access to Oral Exam: minimum mark of 28/40 in the written exam evaluation

Evaluation of Oral Exam: 50 points

Total Evaluation: 100 points

Eligibility: 70 points

First Session

Deadline for online submission of applications: 3 March, 2020

Written Exam: 25 March, 2020
Oral Exam: 26 March, 2020

For the “Bayesian statistical models applied to high-dimensional biomedicine” fellowship the oral exam will take place on 27 March, 2020

Second Session (only if there should still be places available after the first one)

Deadline for online submission of applications: 25 August, 2020

Written Exam: 7 September, 2020
Oral Exam: 8 September, 2020

Admission to the written exam and results of all evaluations will be notified by email.