

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:

- Algorithm development for biomolecular simulations
- Algorithm development for data mining
- Atomistic simulations of drugs interacting with proteins and nucleic acids
- Kinetics, mechanics and thermodynamics of biopolymers: atomistic and coarse-grained approaches
- Modeling and simulation of cellular motility
- Rational drug design
- Systems Biology

Fellowships available: **4**

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

Beginning of the Courses: **1 October, 2019**

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: 21 March, 2019

Written Exam: 8 April, 2019

Oral Exam: 9 April, 2019

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

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

Deadline for online submission of applications: 22 August, 2019

Written Exam: 3 September, 2019

Oral Exam: 4 September, 2019

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