

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

**Head of the Ph.D course:** Prof. Giovanni Bussi

**Web site:** [www.sissa.it/sbp/](http://www.sissa.it/sbp/)

**Research lines:**

- Algorithm development for biomolecular simulations
- 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:** 5

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

**Beginning of the Courses:** 6 November, 2017

**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:** 15 May, 2017

**Written Exam:** 5 June, 2017

**Oral Exam:** 6 June, 2017

**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:** 11 September, 2017

**Written Exam:** 25 September, 2017

**Oral Exam:** 26 September, 2017

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