

## **The Ph.D. Study in Biophysics**

<http://www.pmfst.hr/biophysics/>

**Application for new generation of students for **Biophysics PhD Programme** is open!**

Ambitious students with inquiring minds and a Master of Science or an equivalent degree in physics, molecular biology, chemistry, biochemistry, pharmacology, medicine, informatics/engineering or related disciplines are encouraged to apply.

**Host Institution:** University of Split, Faculty of Science (PMFST), Split

**Participating Institutions:** Ruđer Bošković Institute (IRB), Zagreb, Institute of Physics (IF), Zagreb, University of Split, Medical School (MEFST), Mediterranean Institute for Life Sciences (MedILS), Split.

**The PhD research topics, integrating physical and biological sciences, currently include:** Computational biophysics, Modelling protein-protein interactions, Modelling calcium signalling, Design of novel antibiotics, Structural bioinformatics, EPR study of dynamics in soft condensed matter, Cortical neurodynamics, Point-mutations and genetic diseases, Screening in biomacromolecular systems, Maximum entropy production as selection principle.

**The application procedure consists in sending required documents to the PMFST address:**

Faculty of Science  
Teslina 12  
21 000 Split  
Croatia

**with a note “Doctoral Study Application”. Required documents are:**

- 1) Application document can be found on [www.pmfst.hr/biophysics](http://www.pmfst.hr/biophysics) under the appropriate link [Admission Requirements and Application Procedure](#).
- 2) Personal data, candidate CV, phone, e-mail and home address
- 3) Nationality proof (Domovnica copy for Croatian citizens = “Ovjereni preslik Domovnice”)
- 4) Short text describing reasons why candidate desires to enroll into this PhD programme. A candidate must describe his/her reasons for choosing this doctoral study (why biophysics, candidate scientific interests, future plans) in a document not longer than two printed pages.
- 5) The official transcription of candidate grades and the copy of M.Sc. and/or B.Sc. diploma must be also enclosed (in the case of the B.Sc. diploma it is expected that it is for the

four to six year study period ending with a degree from physics, biology, biochemistry, chemistry, pharmacology, informatics, computer science, mathematics, medicine and related fields). As a rule, for a grade system from one to five, average grade must be at least 4.0.

- 6) Two recommendation letters from professors or distinguished scientists employed at the institution where candidate studied or worked
- 7) Certificate about English language knowledge (authenticated grades transcription or official language proficiency evaluation document).
- 8) List of prizes or awards obtained (if any) and list of published scientific works, conference abstracts and posters together with enclosed full-text copies (if any).

The evaluation procedure includes analysis of above mentioned documents and interview with all candidates by the Evaluation Committee. Expressed preference and commitment for interdisciplinary research required in biophysics will be an important criterion for the final admission decision.

For the academic year 2010/2011 application deadline is November, 1-st, 2010, while evaluation, interview and selection of best candidates will be done during December 2010.

**We look forward to receiving your application!**