

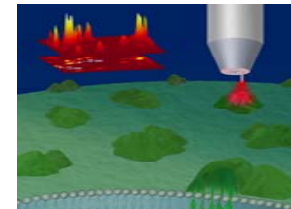
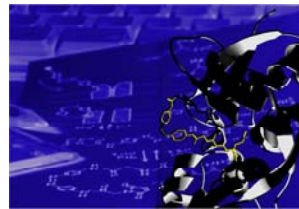
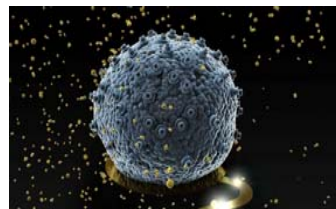
CALL FOR 4 PhD Grants for Preparation of Doctoral Thesis in NANO-BIOPHYSICS (Ref. 05-2010)

IBEC (Institute for Bioengineering of Catalonia) is an interdisciplinary research center focused on Bioengineering and Nanomedicine based in Barcelona. IBEC's mission is to develop international high quality interdisciplinary research that, while creating knowledge, contributes to making a better quality of life, improving health and creating wealth. A close link with key universities, reference hospitals and corporations, are assets that facilitate achieving the mission.

The patrons and founders of IBEC are the Generalitat de Catalunya, the University of Barcelona (UB) and the Polytechnic University of Catalonia (UPC).

IBEC is located within the Barcelona Scientific Park, with premises of 2.500 square meters, 15 research groups and a team of researchers and support services of 220 people from 20 different countries.

www.ibecbarcelona.eu



The Institute for Bioengineering of Catalonia is offering **4 PhD grants** for graduate students in **Physics, Biotechnology or Chemistry** to carry out the Doctorate in the field of Nano-Biophysics (Nano-Bioswitches, Nano-Biophotonics, Nano-Bioelectricity).

The successful candidates will form part of multidisciplinary research teams internationally recognized in the field of Biophysics at the very small scale. They will have access to the most advanced existing research facilities for Biophysics at the nanoscale and participate in state of the art international research projects.

*P. Gorostiza, EY Isacoff. Optical switches for remote and noninvasive control of cell signaling. **Science** 322, 395 (2008).*

*M.F. Garcia-Parajo. Optical antennas focus in on biology. **Nature Photonics** 2, 201 (2008).*

*L. Fumagalli, G. Ferrari, M. Sampietro and G. Gomila. Quantitative nanoscale dielectric microscopy of single layer support biomembranes, **Nano Letters** 9 1604 (2009).*

We expect from the successful candidates:

- Degree in Physics, Chemistry or Biotechnology, or related fields. Students finishing the degree on July, 2010 are encouraged to apply. Both theoretical and experimental profiles are welcome.
- Average mark during the degree of at least 2.25 about 4 (based on the Spanish grants qualification system).
- Enthusiasm, initiative, good interpersonal skills and capacity to work independently and as a part of a team.
- Good knowledge of English.

Grants are expected to start in September-October, 2010.

Applicants should download and read the full call and the application form in our website, www.ibecbarcelona.eu, in the job offers – “predoc” section, and follow the instructions in order to apply for the Grant, before July, 15th 2010. Applications need to be sent to jobs@ibecbarcelona.eu

