



Barcelona  
Biomedical  
Research  
Park



## Molecular Physiology and Channelopathies Group

### PhD student position available

**Research area:** Calcium signalling in the immune system physiology

Calcium differs from other ions in the organism because in addition to modify the membrane potential (as other ions do), it is a second messenger itself, involved in many physiological pathways. In immune cells,  $\text{Ca}^{2+}$  signals result from engagement of antigen receptors at the cell surface and therefore directly determine the strength of the immune response to antigen. By doing so, calcium signals control key processes such as proliferation, activation, differentiation and apoptosis in these immune cells.

**Candidate Requirements:** Studies in Biology/Biochemistry. Previous experience with molecular biology techniques will be positively evaluated.

**Conditions:** 4 years FPI fellowship starting 2011. The student will integrate the International PhD Program in Biomedicine of the Department of Experimental and Health Sciences (UPF).

**Contact:** Application includes CV and letter of motivation. Interested candidates please send the application to [ruben.vicente@upf.edu](mailto:ruben.vicente@upf.edu)