



Applications are invited for several positions in the Experimental Bioinformatics Laboratory, a joint initiative between the Institute for Research in Biomedicine (IRB) and the Barcelona Supercomputing Center (BSC), located in the campus of the Barcelona Science Park (PCB). The IRB is one of the premier institutes in the emerging biomedical research environment of Barcelona. It brings together 25 research groups and fosters multidisciplinary research on Oncology, Developmental Biology, Molecular Medicine, Chemistry and Structural & Computational Biology (<http://www.irbbarcelona.org>). The BSC is one of the leading supercomputer Centers in the world, hosting *MareNostrum*, the most powerful computer in Europe, and fosters very active research programs in Computer, Earth and Life Sciences (<http://www.bsc.es>). Together with the PCB, our institutes host research groups from both the public and private sectors and offer outstanding core facilities and an optimal setting to perform state-of-the-art research.

INSTITUT
DE RECERCA
BIOMÈDICA

2 Postdoctoral positions in Interaction Discovery (ref. LAB/07/07)

The post holders will be involved in research projects devoted to the global molecular characterization of pathological pathways through a combination of computational biology and interaction discovery techniques. The initial project aims at deciphering the protein interaction networks and molecular mechanisms related to type II diabetes and metabolic syndrome. It is our believe that a deeper knowledge of the molecular bases of human disease will have important bearings in the discovery of new drug targets and biomarkers, optimisation of preclinical models and understanding how biological networks change from the healthy state to disease.

CANDIDATE PROFILE

- o PhD, or equivalent in molecular or cell biology
- o Good communications skills
- o Experience in state-of-the-art protein cloning, expression and interaction discovery techniques
- o Familiarity with cell biology, molecular pathology or large-scale proteomics methodologies will be an asset

WE OFFER

- o Initial two-year contract with possibility of extension
- o Remuneration depending on the experience and qualifications of the applicant

HOW TO APPLY

Applications should be addressed to Dr. Patrick Aloy (paloy@pcb.ub.es) and should include a full CV, list of publications and the names of two potential referees.

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