



INSTITUTE
FOR RESEARCH
IN BIOMEDICINE

OPEN POSITION AT IRB BARCELONA **2 PROTEIN EXPRESSION CORE FACILITY RESEARCH** **ASSISTANT (ref. CF/08/02)**

The Institute for Research in Biomedicine (IRB Barcelona) is an independent, non-profit research institution engaged in basic and applied biomedical science. It is located in the Barcelona Science Park (Parc Científic de Barcelona, PCB), a centre in which first-class public research converges with the private sector in a stimulating, vanguard scientific environment. IRB Barcelona was founded in October 2005 by the Government of Catalonia (Generalitat de Catalunya), the University of Barcelona (UB) and the Barcelona Science Park and is administrated through a private foundation. The institute currently has 400 members (scientific, technical and administrative staff) and plans to grow significantly in the coming years.

The IRB invites applications for **Research Assistant** to cover the opening in Protein Expression Core Facility. It specializes in High Through-Put (HTP) cloning and protein expression screening technologies in multiple host organisms. It is a new IRB core facility for use by local academic researchers to solve many problems normally associated with the cloning, expression and purification of proteins for use in studies of protein structure and/or function. HTP technologies allow many different 'versions' of a protein, or protein domains, to be screened simultaneously, thereby facilitating a more rapid resolution to the problems associated with protein expression.

DUTIES

The successful applicants must be flexible as they will be expected to perform a wide range of duties ranging from basic laboratory organization and reagent ordering to independent research into new HTP cloning and expression screening technologies. Full training in HTP methods will be given but experience in any of the following would be advantageous:

- Routine Molecular Biological methods (PCR, cloning, plasmid preparations etc.)
- Protein Expression in *E.coli*, Yeasts, Mammalian or Insect Cultured Cells.
- Routine Tissue Culture methods (cell maintenance and passaging, transfection techniques etc.).
- Production of recombinant baculoviruses.
- Laboratory Automation.

- Protein purification methods (Affinity, Size Exclusion and Ion Exchange Chromatography, preferably with experience of Äkta FPLC instruments).
- Protein analysis methods (SDS-PAGE, DLS, Thermofluor assays etc.)

CANDIDATE PROFILE

- Degree level education in a relevant scientific discipline
- Display a high level of computer literacy
- Good use of English
- Ability to communicate data effectively to other researchers
- Written and spoken Spanish would also be advantageous.

HOW TO APPLY

Please send, in English, a brief letter describing your interest in the position, a complete CV and contact information for two referees no later than Friday, 12 July by e-mail to nick.berrow@irbbarcelona.org