



OPEN POSITION AT IRB BARCELONA RESEARCH ASSISTANT (ref. LAB/07/09)

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 395 members (scientific, technical and administrative staff) and plans to grow significantly in the coming years.

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We are looking for a Research Assistant interested in joining our lab, which will be part of the Cell and Developmental Biology Program of the IRB starting in January 2008.

We study the organization of microtubule networks during cell division and differentiation and the role of microtubule organizing centres such as the centrosome in this process. Centrosome abnormalities are common in tumor cells and are implicated in genomic instability and cancer. In addition, centrosomal microtubule organization plays a role in cellular differentiation such as asymmetric stem cell divisions and axon growth in neurons, and several genetic diseases are associated with centrosome defects. By identifying and characterizing the proteins critical for centrosome function and microtubule organization we hope to gain insight into the molecular mechanisms leading to these diseases.

We use tissue cell culture and *Xenopus laevis* egg extract as model systems and combine microscopy-based approaches with biochemical analyses.

DUTIES

- Depending on experience and qualification the successful candidate will assist other lab members in research projects using basic biochemical and molecular biology techniques and is expected to work independently on smaller projects supervised by other lab members. Another responsibility is the preparation of biological buffers and media.

CANDIDATE PROFILE

- Degree in biological sciences or a related field
- Ability to work independently
- Good communication skills in English
- Working experience in a research environment
- Experience in molecular biology (PCR, DNA cloning, plasmid purification), tissue cell culture, the *Xenopus* egg extract system, expression and purification of proteins, or other basic molecular biology or biochemistry techniques will be positively evaluated.

IRB
Institut de Recerca Biomèdica
Parc Científic de Barcelona

Josep Samitier, 1-5
08028 Barcelona
Spain

Tel.: +34 93 403 7111
Fax: +34 93 403 7114



HOW TO APPLY

Send a complete CV and contact information of two referees in English by e-mail to:

Dr. Jens Lüders
Group Leader of Microtubule Organization
Cell and Developmental Biology Program
Institute for Research in Biomedicine (IRB)
Parc Científic de Barcelona
Josep Samitier, 1-5
08028 Barcelona, Spain

E-mail: jens.luders@irbbarcelona.org

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