



POSTDOCTORAL FELLOW AT IRB BARCELONA

CELL AND DEVELOPMENTAL BIOLOGY PROGRAM GROUP OF DR. JENS LÜDERS (MICROTUBULE ORGANIZATION)

We are looking for postdocs 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 centers 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.

Candidates should be enthusiastic about science and have good communication skills in English. Experience in molecular biology, microscopy, tissue cell culture, the *Xenopus* egg extract system, or recombinant protein production will be positively evaluated. To apply send a curriculum vitae and names and contact information of two referees to (preferentially by email and in English).

Dr. Jens Lüders
Institute for Research in Biomedicine (IRB)
Parc Científic de Barcelona
Josep Samitier, 1-5
08028 Barcelona, Spain

Email: jens.luders@irbbarcelona.org

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