IMPPC
Institut de Medicina Predictiva i Personalitzada del Càncer

Computational / Experimental Postdoc in Epigenomics

Barcelona, Spain
The IMPPC is a non-profit making organization and an equal opportunities employer

The research:
Our lab is interested in understanding epigenetic alterations that occur during cell fate transitions. Currently we focus on stem cell commitment to differentiation and cancer initiation. In our research we use systematic approaches as well as specific hypothesis driven approaches. To address mechanistical aspects we largely rely on cell culture and biochemical techniques. We further apply genomic and epigenomic massive parallel sequencing approaches to determine the genome-wide distribution of chromatin alterations. Currently, we are interested in dissecting the interplay of histone methylation, DNA methylation and the incorporation of histone variants during differentiation and oncogenic transformation. So far we could show that the histone variant macroH2A plays an important role in differentiation and development (Buschbeck, 2009, Nat. Struct. Mol. Biol.). The candidate will develop his own line of research in the context of the lab. In addition she/he will also have the possibility to get involved in ongoing projects. The project can be more computational or more experimental oriented, however we encourage the involvement in both aspects.

The group:
The Chromatin and Cell Fate group is headed by Dr. Marcus Buschbeck. Our young and international team currently further counts two postdocs, two PhD students, and a technician. If you want to know more or to see a picture of us, please visit our homepage at www.imppc.org or http://tinyurl.com/Buschbeck-lab.

The institute:
Opened in 2009 as a research center of excellence, the IMPPC is the latest addition to the cluster of research institutes in the metropolitan area of Barcelona. The institute is located in the Badalona Nature preserve (Can Rutí Campus) just outside of Barcelona and thus offers excellent working conditions in an attractive environment. The still expanding institute currently contains 9 groups that focus on various aspects of cancer biology. The IMPPC has its own and shared state-of-the-art service facilities including its own ultrasequencing platforms.

Requirements:
The ideal candidate will have a high degree of motivation and enthusiasm to work in a team. He/she will have proven to be able to perform innovative research in an completed PhD.
- Background: Bioinformatician, Biologist, Biochemist or similar.
- Languages: **English** (required) and Spanish (helpful)
- Other: Previous experience in related projects and in the analysis of large data sets will be positively evaluated.

Requirements: to be negotiated

How to apply:
Please send your application to mbuschbeck@imppc.org.
Applications should include:
- a CV including your contact details,
- Names, email and telephone numbers of three referees
- A brief statement of motivation

Position posted: 05/04/2011
Last date for Applications: 01/05/2011

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