

**The Centro Nacional de Análisis Genómico (CNAG)
based at the Barcelona Science Park (PCB) is seeking:**

Postdoctoral fellow in Structural Genomics

Ref: Postdoc Structural Genomics

The CNAG started operating in March 2010 with a park of twelve second generation DNA sequencers supported by an extensive informatics infrastructure, becoming one of the major Genome Sequencing Centers in Europe.

The CNAG is actively involved in collaborative research projects on a number of specific topics: Disease Gene Identification, Cancer Genomics, Genomics of Infectious Diseases, Model Organism Genomics and Synthetic Biology Genomics of Model Organisms. In addition, we participate in several consortia of networked projects such as the International Cancer Genome Consortium (www.icgc.org), and EU-funded projects such as READNA, AIRPROM, SYBARIS, ESGI and BLUEPRINT.

The CNAG seeks a talented researcher with a strong background in computation for the Structural Genomics Group working on genome organisation and architecture for the elucidation of genome regulation. This post is funded by a HFSP research grant.

The successful candidate will report to the Structural Genomics Group Leader.

Responsibilities:

1. Development and implementation of a physics-based model for chromatin folding
2. Application of structure determination pipelines for CNAG's collaborative projects.
3. Complementation of existing efforts on genome structure determination.

Requirements:

1. PhD in Bioinformatics or related field
2. Demonstrated experience in the development of biophysical models of polymers.
3. Knowledge of genome organization and chromatin structure would be considered a plus
4. Good publication record

Conditions:

Non-permanent contract

Application procedure:

Interested candidates may submit a CV and a brief statement of experience and interests before March, 12th 2012 to the following email address, indicating the offer reference in the message subject:

borsadetreball@pcb.ub.cat