

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

PhD Student in Structural Genomics

Ref: PhD 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.

We seek a talented PhD student for the Structural Genomics Group working on genome organisation and architecture for elucidation of genome regulation.

The successful candidate will develop technologies to elucidate the 3-d aspects of RNA and its interaction with chromatin. The student will report to the Group Leader in Structural Genomics.

Responsibilities:

1. Development of a computational pipeline for RNA structure determination
2. Application of structure determination pipelines for CNAG's collaborative projects
3. Complementation of existing pipelines for genome analysis

Requirements:

1. Bachelors or Master degree in Biology related field with a background in computation.
2. Demonstrated experience in the development and use of integrative modeling platforms.
3. Demonstrated knowledge of RNA structural biology
4. Experience in NMR for RNA structure determination would be considered as a plus.

Conditions:

Non-permanent contract

Application procedure:

Interested candidates may submit a CV and a brief statement of experience and interests before 20th of January 2011 to the following email address, indicating the offer reference in the message subject:

borsadetreball@pcb.ub.cat