

The National Center for Genomic Analysis (CNAG) based at the Barcelona Science Park (PCB) is offering:

## Postdoctoral position for Structural Genomics

Ref: Postdoc Structural Genomics

The CNAG-CRG 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-CRG 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. In addition, we participate in several consortia of networked projects such as the ICGC and EU-funded projects such as as RD-CONNECT, AIRPROM, ESGI, BLUEPRINT, IBD-Character, BBMRI-LPC, 4DGenome and MuG.

The CNAG-CRG seeks a talented PostDoc with a strong background in bioinformatics for the Structural Genomics Team (<http://marciuslab.org>) working on 3D chromosomal structure with application to the analysis of human phenotype GWAS.

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

### Responsibilities:

1. Development and implementation of software for the analysis of 3D structure of genomes.
2. Computational analysis of the relationship between 3D Genome and the outcome from GWAS analyses conducted in human phenotypes, with particular interest in common diseases.

### Requirements:

1. A PhD in Bioinformatics or related field.
2. Demonstrated experience in developing software for bioinformatics.
3. Previous knowledge of NGS analysis and GWAS studies.
4. Python proficiency is a plus.

### Conditions:

The candidate will be initially offered a 2 year contract at the salary scale of a PostDoc at CNAG-CRG.

### Application procedure:

Interested candidates may submit a CV and a brief statement of experience and interests before **January 31<sup>st</sup> 2017** to the recruitment portal through the following link:  
<http://www.crg.eu/en/content/jobs/cnag-jobs>