

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

## A PhD Fellowship in Structural Genomics

### Ref: PhD Structural Genomics

The CNAG-CRG is one of the major Genome Sequencing Centers in Europe with a park of thirteen second generation DNA sequencers supported by an extensive informatics infrastructure.

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 International Cancer Genome Consortium ([www.icgc.org](http://www.icgc.org)), the International Human Epigenome Consortium ([www.ihec-epigenomes.org](http://www.ihec-epigenomes.org)) and the International Rare Diseases Research Consortium ([www.irdirc.org](http://www.irdirc.org)) and EU-funded projects such as RD-CONNECT, AIRPROM, ESGI, BLUEPRINT, IBD-Character, BBMRI-LPC, 4DGenome and MuG.

The CNAG-CRG seeks a talented young student with a strong background in bioinformatics for the Structural Genomics Team (<http://marciuslab.org>) working on modeling the 3D chromosomal structure in beta cells to identify genetic mechanisms underlying type 2 diabetes. This post will be funded by La Marató de TV3.

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

#### Responsibilities:

1. Development and implementation in TADbit of a module for analysis and modeling 4C-Seq data.
2. Will apply the newly develop methods to study the 3D conformation of chromosomes in beta cells.

#### Requirements:

1. Master degree in Bioinformatics or a related field.
2. Demonstrated experience in Bioinformatics analysis.
3. Knowledge of 3C related techniques will be a plus.

#### Conditions:

Fellowship for 3 years with a PhD salary as for CNAG-CRG's scale.

#### Application procedure:

Interested candidates should submit a full CV including contact and a brief statement of experience and interests before **December 31<sup>st</sup> 2016** to the recruitment portal through the following link:

<http://www.crg.eu/en/content/jobs/cnag-jobs>

This contract will be funded by the La Marató TV3 Foundation.