

## Open position for: **Creatio, Production and Validation Center of Advanced Therapies**

**TITLE:** Postdoctoral position in bioinformatics and machine learning

**Ref:** CRE21-01

**ACCOUNTABLE TO:** Dr. Josep M Canals

**CONTRACT:** Bioinformatician position at the University of Barcelona/Fundació Bosch i Gimpera

### Job Summary

The bioinformatician position is offered by the Research Area of Creatio, the Production and Validation Center of Advanced Therapies of the University of Barcelona to work in close collaboration with the group of Dr. Petia Radeva from the Consolidated Research Group “Computer Vision and Machine Learning (CVMLUB)” of the University of Barcelona and Dr. Marta Melé at the Barcelona Supercomputing Center (BCN-CNS).

The successful postdoctoral candidate will join this multidisciplinary team to investigate how neurodevelopment is affected in Huntington’s disease. As part of the project, the successful candidate will develop novel bioinformatic and machine learning approaches to process and integrate *in vivo* and *in vitro* data sets, including single cell RNA-seq, bulk RNAseq, OpenArray, high content image analysis and high-throughput calcium imaging, for multifactorial analysis.

The selected candidate will be incorporated to Creatio during April 2021.

### Requirements

Applicants are required to hold a degree in bioinformatics, computer science, computational biology or similar and a PhD in a related field.

- Strong computational skills.
- Organized, methodical, proactive and motivated.
- Excellent communication skills and proficiency in English.

Additional skills will be also considered such as:

- Experience processing and analyzing omics data including RNA-seq and single cell RNA-seq.
- Experience with machine learning and programming will be highly appreciated.
- Experience in research in the neurology field will be highly appreciated.
- Experience in working in multidisciplinary research settings.

### Expression of interest

People interested in this position should send a CV and presentation letter to: Dr. Josep M Canals, e-mail: [jmcanals@ub.edu](mailto:jmcanals@ub.edu)

The position will remain open until April 15<sup>th</sup> 2021