



centre nacional d'anàlisi genòmica
centro nacional de análisis genómico



“Single Cell Genomics - Bioinformatician”

Centro Nacional de Análisis Genómico (CNAG-CRG)

The Institute

The Centro Nacional de Análisis Genómico (CNAG-CRG) is one of the largest Genome Sequencing Centers in Europe. CNAG-CRG researchers participate in major International Genomic Initiatives such as the International Cancer Genome Consortium (ICGC), the International Human Epigenome Consortium (IHEC), the International Rare Diseases Research Consortium (IRDiRC) and the European Infrastructure for life-science information (ELIXIR), as well as in several EU-funded projects.

It is integrated with the Centre for Genomic Regulation (CRG), an international biomedical research institute of excellence, based in Barcelona, Spain, with more than 400 scientists from 44 countries. The CRG shares principles of an interdisciplinary, motivated and creative scientific team that is supported by high-end and innovative technologies and a flexible and efficient administration.

CRG has been conferred with a badge of 'HR Excellence in Research' by the European Commission, in recognition to its progress in implementing the European Charter for Researchers and the Code of Conduct for Recruitment of Researchers, that among others consists of transparent, merit-based recruitment procedures and attractive work-life balance working conditions.

For further information: www.cnag.crg.eu and www.crg.eu

The role

The candidate will be integrated in the Single Cell Genomics Team, a highly collaborative, international work environment with well-experienced colleagues in single-cell data production and analysis. He/she will be responsible for the processing, analysis and interpretation of single-cell RNA sequencing datasets, mainly in the context of cancer research. The candidate will be in charge of internal and collaborative projects, involving also responsibilities for data management and quality control.

About the team/ lab/ department

The Single Cell Genomics Team at the CNAG-CRG is dedicated to advance genome research of single cells. The mission of the group is the implementation of cutting-edge single-cell sequencing technologies and their application in a research and translational context. The group focuses on the systematic integration of transcriptional and epigenetic data from individual cells to elucidate causalities underlying phenotype formation and diseases. We successfully established sequencing protocols to quantify thousands of single cells and developed computational pipelines to deconvolute tissue composition and track transcriptional dynamics. Our international team joins computational, technical and biological knowledge in order to establish and apply best practices in single-cell research. The group combines collaborative research, development activities and follows an independent research line on translational cancer research. We are member of the Human Cell Atlas Project.

Web: <http://www.cnag.cat/teams/genome-research-unit/single-cell-genomics-team>



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Whom would we like to hire?

- You have general knowledge in computational biology
- You have experience with NGS data processing
- You have experience working with remote distributed job systems (e.g Slurm)
- You have good programming skills in scripting languages (e.g. Perl or Python)
- You have a background in statistical programming with R
- You have skills in statistical inference
- You have multitasking skills

Desirable but not required

- A background in single-cell analysis (optimal)
- Experience working with LIMS
- CLI and BASH able

The Offer

- **Contract duration:** 1 year contract with the possibility of extension
- **Estimated annual gross salary:** Salary is commensurate with qualifications and consistent with our pay scales.
- **Target start date:** 01/07/2019

We provide a highly stimulating environment with state-of-the-art infrastructures, and unique professional career development opportunities.

We offer and promote a diverse and inclusive environment and welcomes applicants regardless of age, disability, gender, nationality, race, religion or sexual orientation.

We are committed to reconcile a work and family life for our employees and are offering the opportunity to benefit from annual leave, flexible working hours and teleworking.

Application Procedure

All applications must include:

1. A motivation letter addressed to Dr Holger Heyn.
2. A complete CV including contact details.
3. Contact details of two referees.

All applications must be addressed to Dr. Holger Heyn and be submitted online on the CRG Career site - <http://www.crg.eu/en/content/careers/job-opportunities>

Deadline: Please submit your application by 15th of June, 2019



HR EXCELLENCE IN RESEARCH