



## **Postdoctoral Fellow or Lab Manager** **Systems Biology of Individual and Single-cell Variation in Ageing** *Centre for Genomic Regulation (CRG)*

### **The Institute**

The Centre for Genomic Regulation (CRG) is 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.crg.eu](http://www.crg.eu)

### **The role**

We are accepting applications for either a post-doctoral fellow or a laboratory manager.

The successful candidate will:

- Contribute to several open-ended projects in the laboratory related to *C. elegans* genetics, physiology, and aging.
- Design and execute experiments characterizing aging in *C. elegans* using transcriptomic methods.
- Work with the lab's high-throughput imaging technology "The Lifespan Machine".
- Collaborate with the CNAG (centro nacional de análisis genómico) Single Cell Genomics Team and CRG Genomics Core
- Collaborate with computational scientists to develop new analytic techniques needed for the experimental work
- Help mentor graduate students and postdocs

### **About the team**

During aging, molecular mechanisms determine the timing of disease and death. Yet, these molecular mechanisms are embedded in complex physiologic networks, and this interdependence leads mechanisms to exhibit collective behavior. To understand the physiologic action and therapeutic potential of dietary, genetic, and pharmacological interventions in aging, we need to develop better and more quantitative models of aging mechanisms and their systems-level dynamics.

Our group pursues these goals through a mix of *C. elegans* molecular genetics, genomics, imaging, statistics, modelling, and math. We are currently looking to expand an ongoing transcriptomics project, focusing on individual and single-cell physiologic variation during aging.

Research website: <http://lifespanmachine.crg.eu>





### Whom would we like to hire?

- You hold a Ph.D in genetics, physiology, molecular biology, or developmental biology, or relevant experimental branches of soft matter physics and engineering
- You have previous experimental experience in DNA or RNA sequencing
- You have a first author publication
- You are fluent in English

### Desirable but not required

- You have previous experience in nematode, zebrafish, fly, or mouse genetics

### The Offer

- **Contract duration:** At least three years
- **Estimated annual gross salary:** Salary is commensurate with qualifications and consistent with our pay scales.
- **Target start date:** Fall 2018

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 be submitted online through the Career portal and include:

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

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

**Deadline:** Please submit your application by September 1<sup>st</sup>, 2018

Informal enquiries can be directed to Dr. Nicholas Stroustrup.

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