



BIOMEDICAL SCIENCE FOR THE BENEFIT OF SOCIETY

Microscopy Specialist in the Intracellular Self-Organization Group

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.

The Role

Advanced microscopy imaging plays a central role in our research and the successful candidate will be a key lab member being involved in several projects. He or she will be responsible for developing light microscopy methods (e.g. STORM, iSCAT), for maintaining the lab's microscopy infrastructure, and for developing image and data analysis tools. The selected candidate will perform own experiments and contribute to projects of other lab members by providing expertise and training.

About the Team

The Intracellular Self-Organization Group is interested in elucidating the design principles of self-organizing intracellular structures. The focus is on understanding the function of the cytoskeleton. The group is led by Thomas Surrey who has made major contributions to microtubule cytoskeleton biochemistry and biophysics (e.g. Roostalu et al., Cell, 2018; Maurer et al., Cell 2012; Roostalu et al., Science, 2011; Bieling et al., Nature, 2007). Quantitative microscopy imaging combined with quantitative image and data analysis are important methods in the lab (Rickman et al., PNAS, 2017; Bohner et al., J. Microscopy, 2016; Maurer et al., Curr Biol, 2014). See also: <https://www.crg.eu/en/programmes-groups/surrey-lab>

Whom would we like to hire?

- You hold a PhD degree in Physics
- You have several years experience in light microscopy development or experimentation
- You have an excellent understanding of optics, microscopy, image analysis, and statistics
- You are able to work independently and also enjoy working in a team
- You have excellent organisational skills

The Offer

- **Contract duration:** 1 year with possibility to extend
- **Salary:** commensurate with qualifications and consistent with our pay scales.
- **Target start date:** October, 2019

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

Application Procedure

All applications must include:

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

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

Deadline: Please submit your application by 30th of April, 2019

