The European Molecular Biology Laboratory (EMBL) is a world leader in scientific research and at the forefront in the development of cutting-edge technologies. In particular, exciting single cell genomic methods co-developed by EMBL are revolutionising biological research. The field is advancing at a very rapid and exciting pace to measure multiple parameters from the same single cell (multi-omics) and to study cells in their native in-situ context (spatial-omics).

Eileen Furlong and Rainer Pepperkok are looking for a highly motivated computational scientist who loves to develop new computational solutions, and would like to expand their skills and knowledge regarding genomics and imaging data analysis and visualization within a highly collaborative, interdisciplinary, cutting-edge environment. The successful candidate will join a dynamic team dedicated to developing and refining novel methods in single cell genomics.

Your role

You will work together with a team of “wet lab” scientists, who are developing spatial single cell approaches and other single cell genomic methods to advance research throughout EMBL. You will play a key role in the team by developing a wide range of computational analysis pipelines, which span domains from experimental design (e.g. automatic probe generation) all the way to data analyses and visualization. The successful candidate should be able to work independently, while being an excellent team player and be highly motivated and very well-organized.

You have

EMBL is looking for a computer scientist who thrives in a highly collaborative, interdisciplinary, cutting-edge environment. Applicants should have a Ph.D. in biological science, bioinformatics, computer science or physics, and research experience in genomics and/or image data analyses in the biological life sciences. You should have a proven track record in developing computational solutions for genomics or imaging data analysis and/or visualization. Excellent communication skills and the ability to drive your own work while collaborating within a team are essential. Fluency in English is mandatory.

You might also have

Experience with working with R, Phyton, ImageJ, and MatLab is desirable. Expertise with single molecule imaging data analysis and visualization is a bonus.

Why join us

This is a fantastic opportunity to work in a new team at the cutting edge of technology development in a very exciting area at a world leading institute. EMBL is an inclusive, equal opportunity employer offering attractive conditions and benefits appropriate to an international research organisation with a very collegial and family friendly working environment. The remuneration package comprises a competitive salary, a comprehensive pension scheme, medical, educational and other social benefits.

What else you need to know

We are Europe’s flagship research laboratory for the life sciences – an intergovernmental organisation performing scientific research in disciplines including molecular biology, physics, chemistry and computer science. We are an international, innovative and interdisciplinary laboratory with more than 1600 employees from many nations, operating across six sites, in Heidelberg (HQ), Barcelona, Hinxton near Cambridge, Hamburg, Grenoble and Rome.

Our mission is to offer vital services in training scientists, students and visitors at all levels; to develop new technologies and instruments in the life sciences, actively engage in technology transfer activities, and to integrate European life science research.

Interviews are planned to take place by video conference on November 5th 2020.

Please note that appointments on fixed term contracts can be renewed, depending on circumstances at the time of the review.

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