The Integrative Research Institute for Life Sciences (IRI) and Humboldt Universität zu Berlin invite applications for a

Post-doctoral researcher (computational)

in the research group "Evolutionary Developmental Biology" of Dr. David Garfield

Our group focuses on understanding the regulatory mechanisms underlying embryonic development and how these mechanisms are shaped by evolutionary processes. We are currently recruiting a computational post-doc for an ERC-funded project that uses single-cell sequencing (RNA and ATAC) to understand the evolution and function of the gene regulatory networks underlying sea urchin embryogenesis. Applicants would be involved in two specific sub-projects: i) the development of allele-specific methods for understanding the impact of regulatory mutations at single-cell resolution and ii) characterising trans-differentiation and cell-fate (re)specification following the removal, and subsequent recovery, of key embryonic cell lineages.

Eligible candidates will have a PhD in computational biology, genomics, bioinformatics, or a related field along with strong quantitative/statistical skills. Previous experience with single-cell data is a desirable, but is not essential. Candidates interested in developing their own research projects are also encouraged to apply. We offer a competitive salary (German E13 TV-L HU), depending on experience) with an initial contract of 2 years and the possibility of extension. The working language of the laboratory is English, and international applicants are most welcome.

The Garfield lab is based at the IRI for Life Sciences, a collaboration between Humboldt University, the Charité Medical Centre, and the Max Delbrück Centre for Molecular Medicine. As members of the IRI, researchers have access to facilities and training opportunities at all three institutions located on a common campus in central Berlin, including computational resources associated with the Berlin Institute of Health.

Applications, including a motivation letter, CV, and contact details for two academic references should be sent as a single PDF to info@garfieldlab.org. Applicants should also provide example code, either by direct submission or via a link to GitHub or similar code repositories. Starting date is flexible, but preference for ASAP.

For more information, and to view the official job posting, please visit our website at www.garfieldlab.org.