



EMBL Job Opportunities

Scientist / IT Engineer - Image Analysis in Light

Location:	Heidelberg, Germany
Staff Category:	Staff Member
Contract Duration:	3 years
Grading:	6, 7 or 8; depending on qualification and experience
Closing Date:	25 June 2017
Reference Number:	HD_01083

Job Description

The European Molecular Biology Laboratory (EMBL) is one of the highest ranked scientific research organisations in the world. The Headquarters Laboratory is located in Heidelberg (Germany), with additional sites in Grenoble (France), Hamburg (Germany), Hinxton near Cambridge (UK), Monterotondo near Rome (Italy) and Barcelona (Spain).

The Centre for Molecular and Cellular Imaging (CMCI) at the EMBL supports projects on biological imaging at EMBL at different scales of biological organization, from the atom to the organism. The core mission of the Centre is to provide support in image analysis of light and electron microscopy data. Therefore the CMCI is searching for a scientist with strong background in computational image data analysis and extensive experience in applications to biological questions.

The successful candidate will be responsible for the integration of existing and development of new image processing tools to turn biological imaging of cells, tissues and organisms from qualitative

descriptions into quantitative measurements and assays. He/she will make software tools accessible to a community of in-house as well as external users, making use of existing software packages where adequate. In addition, the scientist is expected to consult and train EMBL and visiting scientists on the usage of image analysis tools. He/she will be strongly involved in the organisation and teaching of in-house and international courses on basic and advanced image analysis and data management.

Qualifications and Experience

The candidate should have a PhD in natural or engineering sciences, or a Diploma/Masters degree with at least extensive experience in the area of image analysis. It is essential to have a very strong background in image processing of digital images with biological and/or medical applications. Solid programming skills, excellent knowledge of image processing algorithms and software development environments and commonly used image analysis software packages are required. A sound knowledge of cutting edge advanced image acquisition methods and their optimisation to enable efficient image analysis would be an advantage. Excellent organization skills and the ability to work in an interdisciplinary and international team environment are expected. As this position has the potential to expand into a small team, experience in supervising and/or training undergraduate and graduate students is beneficial, but not essential. The successful candidate will be closely associated with the Advanced Light Microscopy Facility and the Electron Microscopy Core Facility.

Application Instructions

Please apply online through

www.embl.org/jobs

Additional Information

EMBL is an inclusive, equal opportunity employer offering attractive conditions and benefits appropriate to an international research organisation.

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