

Research Technician in Structural Biology

A position for a research technician is available in the laboratory of Dr. Helgo Schmidt, newly appointed team leader in the Department for Integrated Structural Biology, at the Institute of Genetics and Molecular and Cellular Biology (IGBMC), in Strasbourg, France (<http://www.igbmc.fr/>). The exact starting date will be discussed with the candidate, but March or April would be preferred. We are studying the structure and function of the dynein motor protein through an integrated structural biology approach combining x-ray crystallography and high-resolution cryoEM.

Job description

We are looking for highly motivated, creative individuals with interests in structural studies of large macromolecular complexes. The research technician will reconstitute large and challenging multi protein complexes for structural and biochemical analysis. Your responsibilities will include cloning of the targeted genes into different vectors and expression of the complexes of interest in bacteria, yeast, insect or mammalian cells. You will reconstitute the targeted complexes using co-expression strategies, purify them by chromatography and verify their activity using biochemical assays. You will also train students and postdocs in the usage of the optimized reconstitution and purification protocols and oversee general laboratory operations.

Qualifications

The ideal candidate has obtained a B.Sc. or M.Sc. degree and is well versed in biochemistry or molecular biology. Experience in molecular cloning, protein expression and purification, as well as an ability to maintain organized records is essential. Experience in cell culture would be an advantage. Good English language skills are essential.

Applicants should send a single PDF file containing their CV along with a summary of their previous research experience, accomplishments, and experimental expertise to Dr. Helgo Schmidt via e-mail at: helgoschmidtb@gmail.com.