EMBL European Molecular Biology Laboratory

PhD and Post-Doc Positions at EMBL Grenoble in Biochemistry and Structural Biology

The positions are available in the laboratory of Christiane Schaffitzel, EMBL Grenoble (www.embl.fr).

We study the structure and function of large macromolecular complexes in gene expression. The project involves structure determination by single-particle cryo-electron microscopy of large multicomponent complexes produced in insect cells (MultiBac technology), their purification and biophysical and biochemical characterization.

The post-doc position requires a Ph.D. in biochemistry, structural biology or a related field. Outstanding applicants have experience in guiding structure determination projects from start to finish, experience in electron microscopy would be advantageous. Candidates are highly motivated individuals who enjoy working as part of a young, dynamic, collaborative and multidisciplinary team.

The laboratory is well-situated in a structural biology environment at the Polygone Scientifique in Grenoble. We are equipped with a state-of-the-art electron microscope (Polara, FEI). Access to modern biophysical instrumentation (analytical ultracentrifugation, surface plasmon resonance, dynamic light scattering, isothermal calorimetry, CD and fluorescence spectrometers) is provided.

The positions are available from January 2012. The post-doc position is funded for 3 years. Contracts may be extended depending on performance.

Please send your CV, a statement of research interests, and names (including email address) of at least two referees by email to Dr. Christiane Schaffitzel (schaffitzel@embl.fr). Applications will be accepted until the positions are filled.

Our Publications:

Estrozi L.F. et al., Structure of the E. coli Co-translational Targeting Complex in the Stable *Early* Conformation. *Nat. Struct. Mol. Biol.* 2011: 88-90.

Mitra, K., Schaffitzel, C., et al., Structure of the E. coli protein-conducting channel bound to a translating ribosome. Nature 2005: 318-324.

Schaffitzel, C. et al., Structure of the E. coli signal recognition particle bound to a translating ribosome. Nature 2006: 503-506.

Bingel-Erlenmeyer, R. et al. A peptide-deformylase complex reveals mechanism of nascent chain processing. Nature 2008: 108-111