

Head of Protein Production Core Facility (m/f) (#CFHPP01)

The **Institute of Molecular Biology gGmbH (IMB)** is a Centre of Excellence for Life Sciences funded by the Boehringer Ingelheim Foundation and located within the campus of the University of Mainz in Germany. IMB focuses on epigenetics, DNA repair and developmental biology and offers premium scientific core facilities (see www.imb-mainz.de/core-facilities).

The **Protein Production Core Facility** of the IMB provides support with the design, expression and purification of recombinant proteins. The facility maintains *E.coli* and insect cell cultures. One core part of its services is to provide up-to-date information and personalized advice to researchers about their protein expression experiments. In addition, a full service of amplification of high-titer virus stocks for insect cell culture, large-scale expression of recombinant proteins in insect cells and *E.coli* is offered. Different chromatography methods are available for protein purification and analysis.

You will:

- Design and generate DNA expression constructs
- Establish and conduct cultivation of the respective cells
- Recombinantly express these proteins in insect cells (Sf9, Sf21, Hi5, Tnao-38) and *E.coli*.
- Purify recombinant proteins with chromatographic techniques (affinity and classical purification methods) and optimize purification protocols
- Analyze the expressed proteins with different techniques (e.g.; SDS page, Western blot)
- Establish quality control measures

Required qualifications:

- University degree or postgraduate training in biochemistry, biology, or biotechnology
- Extensive experience (2+ years) in protein expression and in protein biochemistry, especially protein purification via chromatography (FPLC) and protein analysis
- Knowledge of standard molecular biology techniques
- Proficiency in written and spoken English
- Good organisational, communication and interpersonal skills

Desirable qualifications:

- Experience in insect cell culture

IMB offers:

- Stimulating, diverse and international research environment
- Flexible working hours and advanced training opportunities
- Competitive salary and favourable pension scheme

IMB is an equal opportunity employer. Applications should be in English and sent as a **single PDF file** including a cover letter, CV, certificates and contact information of at least two professional references quoting **Ref. No. CFHPP01** to personal@imb-mainz.de.

Deadline for applications: 15 October 2017

Starting date: March 2018 with an initial contract for two years, with an option for extension.