

PhD student (m/f/d)

The Dr. Margarete Fischer-Bosch Institute of Clinical Pharmacology, Stuttgart (Director Prof. Dr. M. Schwab) is operated by the Robert Bosch Foundation. Since its foundation in 1973, the institute has emerged as Germany's largest and most renowned scientific research unit in the field of clinical pharmacology. Main research activities concentrate on the influence of genetic and non-genetic factors on variability of drug efficacy and their contributions to disease development.

Job Description

- Application of a broad spectrum of basic molecular and cell biological techniques, including FACS analyses, immunohistochemistry, and immunofluorescence
- Characterization of primary tumors on different molecular levels using state-of-the-art methods (genomics, transcriptomics, metabolomics)
- Establishment and characterization of patient-derived tumor models (e.g., organoids)
- Functional testing of drug effects using *in vitro* and pre-clinically relevant *in vivo* models
- Analysis of clinical and experimental datasets (e.g., immunohistochemistry, gene expression) using biostatistics and bioinformatics
- Capacity and enthusiasm to undertake the training activities of a graduate program supported by programs of the Faculty of Medicine and the Graduate Academy of the University of Tuebingen to ensure greatest possible success in your career track

Qualifications

- Master degree (M.Sc.) in biology, biochemistry, molecular medicine, *pharmaceutical sciences* or a related discipline
- Experience and solid background in molecular biology, human genetics and cell culture technology
- Preliminary experience with 3D cell culture or *in vivo* tumor models would be beneficial
- Interest in oncology and personalized medicine
- Excellent English written and oral communication skills

We offer:

- The opportunity to work in an interactive team providing support and mentoring
- State-of-the-art equipment and technologies for a wide range of different applications (genomics, transcriptomics, metabolomics) and expert knowledge within the different core facilities at the institute
- Participation in the PhD program
- The opportunity to communicate scientific results at international conferences and to participate in workshops
- A unique feature of the educational program is the co-supervision of each PhD student by a team of investigators, which contribute with their unique expertise to the progress of the projects
- An initial contract for 3 years and flexible starting date (earliest starting date as of now)

For further information please contact Prof. Dr. Matthias Schwab (matthias.schwab@ikp-stuttgart.de; phone 0711-8101-3700) or Dr. Elke Schaeffeler (elke.schaeffeler@ikp-stuttgart.de; phone 0711-8101-3729).



Apply now!

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