



PhD Program between the Freie Universität Berlin (FUB) and the China Scholarship Council (CSC)

**Open PhD Position at Freie Universität Berlin,
offered only to Chinese CSC scholarship candidates 2024**

Department/Institute: | Institute of Chemistry and Biochemistry |

Subject area: | Microfluidics and Biomaterials |

Name of Supervisor: | Wenzhong Li |

Number of open PhD positions: | 2 |

Type of the PhD Study: | both possible |

1) Full-time or 2) Sandwich-Model (1-2 years) or both possible

Project title: | Microfluidics and Biomaterials for Organoid |

PhD Project description:

The project aims to explore and develop novel biomedical engineering approaches that combine microfluidic technology and biomaterials for the construction of 3D organoid-like structures to mimic the microenvironment of organs for more physiologically relevant conditions. The project will focus on three primary areas: liver modeling, lung disease modeling, and cancer modeling, with the goal of gaining in-depth insights into these biological systems and providing essential tools for research and novel drug development related to the respective diseases and lay the foundation for personalized medicine and precision drug therapies.

Language requirements:

- IELTS: 6,5 oder TOEFL: 95 ibt
- Or
- Test Daf 16 bzw. DSH 2

Academic requirements:

A highly collaborative working environment needs expected candidates to hold a graduate degree (Master) in Chemistry, biochemistry, medicine, engineering or related areas.

Information of the professor or research group leader (website, awards etc.):

<https://fuli.userpage.fu-berlin.de/>

Please Note: In a first step, the complete application should be uploaded to the [online portal \(https://fuberlin.moveon4.de/form/60acfece5d328710e40bdbd5/eng\)](https://fuberlin.moveon4.de/form/60acfece5d328710e40bdbd5/eng) for evaluation by January 15th, 2024. Please do not contact the professor before. He/she will get in contact with you after having received the complete application via the International Office of Freie Universität Berlin in January.