



## 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 2019

*Please Note: this PhD position is only offered to Chinese PhD candidates for the application in the framework of the FUB-CSC PhD Program.*

<b><u>Department/Institute:</u></b>	Institute of Pharmacy
<b><u>Subject Area:</u></b>	Medicinal Chemistry
<b><u>Name of Supervisor:</u></b>	Prof. Dr. Jörg Rademann
<b><u>Number of Open PhD Positions:</u></b>	1-2
<b><u>Type of the PhD Study:</u></b>	Full-time
<b><u>Project Title:</u></b>	Fragment-based drug discovery by fragment ligation

#### **PhD Project Description:**

We have developed in the group dynamic ligation screening as a novel method for target assisted ligand discovery.

The method has been applied to protease, phosphatases and protein-protein interactions so far and several potent, cellularly active ligands have been developed.

Currently the methodology is extended from reversible (dynamic) ligation reactions toward irreversible fragment ligations.

Hot targets of the group include viral and bacterial peptidases and cancer targets such as the protein tyrosine phosphatase SHP2, the SH2 domain of STAT5 and sialyl transferases.

The position requires highly motivated, enthusiastic individual with a potential to work interdisciplinary and be efficient in social and communication skills. We need experts in organic synthesis and bioassay development. The combination with structure-based ligand design is highly favored in the group. In addition we have facilities for chemical library screening, protein production and cellular assays.

#### **Language Requirements:**

- If PhD study in English is possible: our certificate requirements are IELTS 6,5 or TOEFL 95 ibt.
- If PhD study in German: our certificate requirements are Test DaF 16 or DSH 2

#### **Academic Requirements:**

We prefer candidates with master degree in medicinal or pharmaceutical chemistry, organic chemistry or biochemistry.

#### **Information of the Professor or Research Group Leader:**

Website:  
[http://www.bcp.fu-berlin.de/pharmazie/pharmazeutische\\_chemie/arbeitsgruppe\\_Rademmann/research/index.html](http://www.bcp.fu-berlin.de/pharmazie/pharmazeutische_chemie/arbeitsgruppe_Rademmann/research/index.html)

**Please Note:** In a first step, the complete application should be submitted to the Beijing Office for evaluation by January 4<sup>th</sup>, 2019. Please do not contact the professor before. He/she will get in contact with you after having received the complete application via the Beijing Office in January.