



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

Open PhD position for CSC scholarship candidates 2015

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

<u>Department/Institute:</u>	Institute of Chemistry and Biochemistry
<u>Subject area:</u>	Organic Chemistry
<u>Professor / Research Group:</u>	Prof. Dr. Mathias Christmann
<u>Number of open positions:</u>	1
<u>Project title:</u>	Total Synthesis of New Drugs against Renal Cancer

Project description:

We have completed the first total synthesis of the promising anti-cancer drug englerin A [1]. Subsequently, we have carried out a preliminary SAR study that led to the identification of more active analogs [2]. The PhD work will focus on oxidative late-stage functionalization of englerin A and analogs.

[1] M. Willot, L. Radtke, D. Könning, R. Fröhlich, V. H. Gessner, C. Strohmann, M. Christmann, *Angew. Chem. Int. Ed.* **2009**, *48*, 9105

[2] L. Radtke, M. Willot, H. Sun, S. Ziegler, S. Sauerland, C. Strohmann, R. Fröhlich, P. Habenberger, H. Waldmann, M. Christmann, *Angew. Chem. Int. Ed.* **2011**, *50*, 3998

Academic requirements:

M. Sc. in synthetic organic chemistry, preferably in the area of natural products synthesis and keen interest in medicinal chemistry.

Link to professor/contact and further information:

www.chemie.fu-berlin.de/christmann

Please note:

In a first step the complete application should submit to the Beijing Office for evaluation by January 4th. Please don't contact the professor before. He will get in contact with you after having received the complete application in January.