



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

### Open PhD position for CSC scholarship candidates 2015

The PhD position is only offered to Chinese PhD candidates for application in the framework of the FU-CSC Program.

<b><u>Department/Institute:</u></b>	Institute of Chemistry and Biochemistry
<b><u>Subject area:</u></b>	Organic Chemistry
<b><u>Professor / Research Group:</u></b>	Prof. Dr. Mathias Christmann
<b><u>Number of open positions:</u></b>	1
<b><u>Project title:</u></b>	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. Könnig, 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](http://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 4<sup>th</sup>. Please don't contact the professor before. He will get in contact with you after having received the complete application in January.