



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

Open Postdoc position for CSC scholarship candidates 2015

The postdoc position is only offered to [Chinese](#) who graduated with a [PhD degree from a Chinese university](#).

<u>Department/Institute:</u>	Institute of Chemistry and Biochemistry
<u>Subject area:</u>	Organic Chemistry
<u>Name of Supervisor:</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 postdoctoral research will focus on the total synthesis of stabilized englerin derivatives for in vivo studies, the synthesis of fluorescent analogues for imaging, and designed analogues for target identification using functional groups for photo-crosslinking.

[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:

A PhD 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 November 21, 2014. Please don't contact the professor before. He will get in contact with you after having received the complete application.