



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

Open Postdoc position for CSC scholarship candidates 2015

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

<u>Department/Institute:</u>	Institute of Pharmacy
<u>Subject area:</u>	Pharmacy, Pharmaceutical Nanotechnology
<u>Professor / Research Group:</u>	Prof. Rainer H. Müller / Pharmaceutics, Pharmaceutical Nanotechnology & NutriCosmetics
<u>Number of open positions:</u>	1
<u>Project title:</u>	Lipid Nanoparticles & nanocrystals for dermal delivery

Project description:

Lipid nanoparticles (SLN, NLC) and dermal nanocrystals (e.g. smartCrystals) can increase the bioavailability in the skin. By now, the two technologies were applied separately in cosmetic products, or in the formulation development of pharmaceutical creams

Aim of the project is to combine the 2 technologies and to assess potential synergistic effects. In parallel, the use of dermally applied amorphous cosmetic actives and drugs should be investigated as alternative formulation principle.

The involves development of formulations, their physico-chemical characterization, and incorporation into gels and creams. Performance will be studied regarding e.g. release, and penetration into skin.

In addition, the position involves supervision of PhD students working with these delivery systems, publication will be done jointly.

Academic requirements:

BS in pharmacy or Engineering/Bioengineering,
PhD in Pharmacy or Bioengineering
publications in good international journals
good knowledge in English (spoken and written)

Link to professor/contact and further information:

For more information about the research group, please visit our web site:

www.muller-berlin.com.

If you want to access our publication list, please go to the web site, go to the area Research/Science and click publications.

Please send your application directly to the Beijing office of the Free University (FU) Berlin, not to the professor.

The working language in our international research group is English, you will meet colleagues from your country China, but also Brazil, Syria etc. Please have a look at our web site, click Research Team.

Good English is essential, because all our work is published in English.