



UNIVERSITÄT KOBLENZ · LANDAU

The **Institute for Integrated Natural Sciences, Department of Physics, University Koblenz-Landau, Campus Koblenz**, is inviting applications for a

Postdoctoral Position Experimental Physics

(1 ½ years, full time)

which is subject to the German law on fixed-term contracts in science (WissZeitVG). Salary will be according to the German public service salary scale TV-L EGr. 13, commensurate with experience and qualifications*. The position is limited to 1 1/2 years with the possibility of extension. For qualified candidates we promote the possibility of Habilitation.

*see: https://www.lff-rlp.de/fileadmin/user_upload/ZBV/PDF/service/gehaltstabellen/TV_Laender_ab_01012014.pdf

Topic:

We are seeking a candidate to develop and build-up a fluorescence correlation spectroscopy (FCS) setup for investigations on biofilm formation on polymer surfaces. Biofilms are microbial communities, which can be composed from bacteria and fungi. Biofilms can be found almost everywhere, in natural environments such as soil and sediments, on and in animals and plants but also on artificial surfaces of water tanks, pipes, surgical apparatus, food-processing vessels, etc. They play an important role in the global circular flow of oxygen, carbon and other elements, self-cleaning of waterbodies, decomposition of waste but they also can be detrimental e.g. when it comes to the colonization of medical devices and implants causing serious infections.

Requirements:

The successful candidate requires a PhD in Physics, Material Science, Chemical Engineering or similar fields. Proven theoretical and practical experience in optics and/or spectroscopy, good English communication skills and the ability to work in an interdisciplinary team are mandatory. Additional knowledge in one of the following disciplines is of advantage but not mandatory: biophysics, medical physics, polymer science, chemistry. Very strong problem-solving skills, willingness to learn, ability to work independently, experience in writing publications and good presentation skills are essential.

Please contact Prof. Dr. Silke Rathgeber (phone: +49 (0)261/287-2353 or E-Mail: rathgeber@uni-koblenz.de) for further information.

It is the policy of the University Koblenz-Landau to increase the percentage of female employees. If equally qualified, preference will be given to female applicants in fields where they are underrepresented. Disabled candidates are given priority, if equally qualified. International candidates are highly encouraged to apply.

Applications should include a letter of motivation, a complete curriculum vitae, including a list of publications and presentations, certificates etc. Please send your application, quoting the **reference number 102/2014** to bewerbung@uni-koblenz-landau.de. Applications are accepted until the position is filled. The evaluation process starts earliest on November, 15th, 2014.

We do not send a confirmation of receipt. In accordance to the protection of data privacy all documents will be destroyed after the application procedure.

www.uni-koblenz-landau.de/uni/stellen