

Philipps



Universität  
Marburg

At the **Department of Physics** we offer - **starting from June 1, 2014 - limited for two years**, with the possibility of extension until June 30, 2017, one third party funded position (66 % of the regular full-time) as

## PhD Student Position

The salary will be according to the German Public Service salary scale **E 13 TV-H**.

The position offers the possibility of further scientific qualification in the frame of the assigned duties.

The position is associated with the Collaborative Research Centre SFB 1083 "Structure and Dynamics of Internal Interfaces" of the German DFG that has been established at Philipps-University Marburg in collaboration with the Donostia International Physics Center (DIPC), San Sebastián, Spain. The SFB consists of more than 60 chemists and physicists that collaborate in investigations of solid/solid interfaces of a variety of organic and inorganic materials. The aim is to achieve a detailed microscopic understanding of the chemical bonding, the electronic coupling, and the dynamics of energy transfer for model systems of different classes of hetero-interfaces.

The tasks of the advertised position are the in-situ growth of molecular thin films and their characterization in terms of structural and vibrational properties (SPA-LEED, FTIR-Vibrational Spectroscopy). Specifically, we are interested in phenomena associated with organic-organic interfaces. Another goal will be the development of recipes to produce well defined heterolayer systems with destined properties. Thereby, special attention will be devoted to the optimization of the quality of thus prepared layers by means of our highly specific and sensitive spectroscopic approach.

Candidates should hold an excellent degree in physics, chemistry or materials science (Master, Diploma or equivalent). They should have a high interest in basic experimental research and like working in an interdisciplinary environment. Ideally, they have already gained some experience in organic thin film growth/characterization, ultrahigh-vacuum technology and surface analysis/spectroscopy. We expect advanced language skills in English, flexibility, and the ability for teamwork.

For more information, please contact Prof. Dr. Peter Jakob ([peter.jakob@physik.uni-marburg.de](mailto:peter.jakob@physik.uni-marburg.de)) or visit the Website of SFB 1083 ([www.internal-interfaces.de](http://www.internal-interfaces.de)).

We support women and strongly encourage them to apply. In areas where women are underrepresented, female applicants will be preferred in case of equal qualifications. Applicants with children are welcome - Philipps-University is certified as a family-friendly university. Sharing a full-time position (§ 8 Abs. 2 S. 1 HGlG) as well as a reduction of working time is possible. Applicants with a disability as described in SGB IX (§ 2 Abs. 2, 3) will be preferred in case of equal qualifications.

As the documents will not be returned after end of the selection procedure, please do not send originals. Application and interview costs cannot be refunded.

Please send your application mentioning the registration number fb13-0006-wmz-2014 preferentially in a single PDF file electronically to [sfb1083@uni-marburg.de](mailto:sfb1083@uni-marburg.de) or by mail to Sonderforschungsbereich 1083, attn. Dr. Nico Armbrust, Philipps-Universität Marburg, Renthof 5, D-35032 Marburg; deadline April 30<sup>th</sup> 2014.