



National Center of Competence in Research Nanoscale Science

The NCCR Nanosciences (<http://www.nccr-nano.org>) is a centre for multi-disciplinary research which is operated by the University of Basel. In the 'Nanolab' we are interested in supra-molecular surface assemblies for the engineering of ultimately small entities with well defined properties.

New properties of supra-molecular assemblies on solid substrates shall be investigated in this project. We expect to gain new insights in the interrelation between the structure of the molecular building blocks and the assembly and function of supra-molecular devices.

The Nanolab (<http://monet.physik.unibas.ch/gue/nanolab/>) is looking for

## PhD student in Surface Science / Nanoscience

### Your tasks

In collaboration with colleagues and partners from synthetic chemistry, you will assemble molecular building blocks into dedicated assemblies and characterize their properties. Mainly, the samples will be characterized by scanning probe microscopy (STM and AFM) at variable temperatures, but also by photoelectron spectroscopy (XPS and UPS) and low energy electron diffraction (LEED). The job also includes a teaching obligation for the Physics or Nanoscience curriculum.

### Your profile

We seek for a highly motivated individual who enjoys working in a small team of scientists with different disciplinary background. A diploma or masters degree in materials science, experimental physics, physical chemistry, nanoscale science or related field is expected. Experience in one of the above mentioned methods is highly desirable but could be compensated by an extra effort and a high level of motivation of the candidate.

PhD students will be registered at the University of Basel.

### We are looking forward to your application.

For further information please contact

Dr. Thomas Jung, Tel. +41 (56) 310 4518, e-Mail [thomas.jung@psi.ch](mailto:thomas.jung@psi.ch).

Please send your application by email (see email above) or by snail-mail to: Thomas Jung, Nanolab, Klingelbergstr. 82, 4056 Basel, Switzerland.

Further job opportunities and other useful information: <http://monet.physik.unibas.ch/gue/nanolab/>