PhD position in Nanoscience

A three-year doctoral position is available in the field of nanoscience at the Faculty of Physics, University of Vienna, Austria.

Project description

Metal-organic frameworks (MOFs) represent a new class of compounds that consist of metal nodes and organic ligands to form various nanostructures. Our project, in cooperation with TU Wien and J. Heyrovsky Institute of Physical Chemistry in Prague, aims to study quantum confinement effects in MOFs for optoelectronic and spintronic applications.

The successful candidate will be expected to:

• carry out experimental research on metal-organic frameworks (MOFs): synthesis, characterization, electronic, optical and magnetic properties, optoelectronic and spintronic applications.
• work in a collaborative interdisciplinary environment at the University of Vienna, in association with TU Wien and J. Heyrovsky Institute of Physical Chemistry in Prague, Czech republic.

Qualifications

Applicants should hold a M.Sc. or equivalent degree in physics, chemistry or electronic engineering, or another relevant discipline. Applicants should have excellent academic qualifications and outstanding communication skills with an excellent proficiency in English. A good command of German is an advantage.

How to apply

This project is advertised as part of the Vienna Doctoral School (VDS) program in Physics. Formal applications can be completed online: https://vds-physics.univie.ac.at/detailviewnews/news/vds-open-call-phd-fellowships-3/
Application deadline: 11 December 2017
Hearings: 22 & 23 February 2018

Further information

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