MARTIN-LUTHER-UNIVERSITÄT
HALLE-WITTENBERG

INFORMATION

Zentrale Universitätsverwaltung
Abteilung 3 - Personal

Zertifikat seit 2009
audit familiengerechte hochschule

791/2017

Halle (Saale), 21.06.2017

External Position Announcement 4-5490/17-D

The Center for Innovation Competence (ZIK) SiLi-nano – Silicon and Light: From Macro to Nano – is performing research on nanostructured materials used in solar energy conversion and added two additional groups of young research scientists in 2016. SiLi-nano is jointly funded by the Institute of Physics and Chemistry at the Martin Luther University, the Max Planck Institute of Microstructure Physics, the Fraunhofer Institute for Microstructure of Materials and Systems and the Fraunhofer Center for Silicon Photovoltaics. The center is largely autonomous; structurally, it is managed as an interdisciplinary scientific facility as a part of the Martin-Luther-University Halle-Wittenberg.

The group „Light-for-Hydrogen" invites applications for the position of a

Scientific Researcher

This part-time position (50%) is initially limited to three years.
The salary will be commensurate with the qualifications of the successful candidate within the salary scale 13 TV-L.

Requirements:

- A completed Master of Science (MSc.) in Chemistry, Chemical Engineering, Physics or Materials Science with a focus on chemistry.
- A strong interest in performing (scientific) research in the fields of nanotechnology, photocatalysis, photoelectrochemistry and semiconductor physics.
- Hands-on technical experience with (or strong interest in) nanostructure preparation and characterization. Preferably, this encompasses sol-gel chemistry, electrodeposition, electrochemistry, X-ray diffraction (XRD) and/or Scanning Electron Microscopy (SEM).
- Capability to work independently and willingness to cooperate within an international team.
- Capability/interest to organize local and international collaborations.
- Good communication skills (in writing and oral) in English.

Responsibilities:

- Design and implementation of experiments involving:
  - Nanostructure synthesis via electrospinning and sol-gel chemistry.
  - Characterization of these nanostructures using several techniques, e.g. XRD and SEM.
  - Photocatalytic water splitting investigations using photoelectrochemical measurements and gas chromatography.
- Data analysis and preparation of manuscripts.
- Assistance with teaching.
- The possibility to obtain a PhD-degree is provided.

Disabled candidates with equal qualifications will be given preference. Women are strongly encouraged to submit an application.

For any queries please contact Dr. Wouter Maijenburg, E-mail: wouter.maijenburg@chemie.uni-halle.de.

Please submit your full application dossier with **registration number 5490/17-D** in the subject line until **13. Juli 2017** to ZIK SiLi-nano® Martin-Luther-Universität Halle-Wittenberg, c/o Jun.-Prof. Dr. Wouter Maijenburg, Karl-Freiherr-von-Fritsch-Str. 3, 06120 Halle (Saale).

Applications should consist of (i) a motivation letter, (ii) a recent curriculum vitae, (iii) a list of publications, (iv) academic degrees and certificates, and (v) contact information of two individuals who could provide an evaluation of the candidate upon request.

The announcement takes place pending on fund availability and any possible budget restriction. Application expenses cannot be reimbursed by the Martin Luther University. Electronic application is preferred and possible at wouter.maijenburg@chemie.uni-halle.de.