

Category: Junior Group Leader Position: Saxony, Germany

Junior Research Group Leader Position (m/f) with Tenure Track Option

The Kurt Schwabe Institute for Measuring and Sensor Technology e.V. (KSI) Meinsberg has a longstanding expertise in the fields of basic and applied research on novel sensor materials, sensor devices and scientific instrumentation. Main competences are in the fields of physical chemistry, electrochemistry, solid-state electrolytes, biological and physical sensors as well as environmental monitoring. One important aspect of our work is the miniaturization of sensor devices. The institute is well equipped with modern lithographic and bottom-up methods for the synthesis of functional nanostructures as well as with state-of-the-art methods for their characterization. The KSI is located close to Dresden, in Saxony, Germany. As a so-called "Landesinstitut", the KSI is financially supported by the Federal State of Saxony. The KSI is closely linked with the excellence university "Technische Universität Dresden".

The KSI Meinsberg invites applications for a

Junior Research Group Leader

with the focus on **micro- and nanostructured photonic sensors** for the detection of biomolecular interactions as well as for gas and environmental monitoring.

Subject:

You shall establish an independent research group developing novel materials synthesis routes for optically active nanodevices such as waveguides and antenna structures, study their structure-property relationships, and applying them to the development of novel sensor principles for the detection of (bio-)molecular interactions. Fund raising applications are expected, start-up funding will be provided.

Qualifications:

Doctoral degree in physics, chemistry, materials science or other relevant disciplines, including a solid base in theoretical and experimental skills. The candidate should have a strong background in synthesis, characterization and/or modelling of micro- and nano-patterned photonic/plasmonic structures. The date of graduation (Master/Diploma) should be less than 7 years ago at the time of application (times of parental leaves can be added). Good command on English and/or German in speech and writing is highly welcome.

Salary and contract:

The position is planned as a full-time position starting at June 01, 2018 for 5 years. After 3 years of excellent scientific performance, the group leader may receive tenure. Duration of employment will be according to the WissZeitVG. Payment will be according to the law of public service according to the level TV-L EG 14 and includes social and retirement insurances (by presentation of the personnel conditions).

Applications should include curriculum vitae with copies of degrees (Master/Diploma/PhD), a publication list, a summary of research achievements and interests (max. 2 pages), contact details for 3-5 individuals who can provide recommendation letters, as well as a scientific concept for the development of the junior research group (max. 3 pages).

Applications shall be sent before March 30, 2018, as a single pdf file by email to:

Prof. Dr. rer. nat. et Ing. habil. Michael Mertig

Kurt-Schwabe-Institut für Mess- und Sensortechnik e.V. Meinsberg
04736 Waldheim
Tel: 034327-608 150 / Fax: 034327-608 131
mertig@ksi-meinsberg.de

or

Prof. Dr. rer. nat. et Ing. habil. Michael Mertig
Technische Universität Dresden
Faculty of Chemistry and Food Chemistry
Chair of Physical Chemistry / Measurement and Sensor Technology
01062 Dresden
Tel: 0351-479 40 290 / Fax: 0351-479 40 299
michael.mertig@tu-dresden.de

—
The KSI is an inclusive, equal opportunities employer and is dedicated to the highest standards of research integrity.

<https://www.nature.com/naturejobs/science/jobs/635331-junior-research-group-leader-position-m-f-with-tenure-track-option>