



University of Stuttgart  
Germany

## **12-Month Postdoctoral Position in Terahertz Electron Paramagnetic Resonance Microscopy.**

An EU-funded post-doc position is available in the Van Slageren group at the Institute of Physical Chemistry of the University of Stuttgart. The position is part of the EU H2020 FET-OPEN project "Plasmon Enhanced Terahertz Electron Paramagnetic Resonance" (PETER, GA 767227) carried out by a consortium featuring groups from Brno Technical University, NanoGUNE, Thomas Keating Ltd. and the University of Stuttgart. The aim of the project is to develop radically new technology to investigate paramagnetic species with unprecedented sensitivity and spatial resolution. About to enter its third year, the project has already demonstrated improvement of THz EPR sensitivity by means of plasmonic structures and has developed the instrumentation required. The final part of the project and the subject of the advertised post deals with the testing and application of the scanning probe unit allowing EPR measurements with high spatial resolution.

What we offer:

- Salary according to the German TV-L E13 salary scale (ca. 4.5 kEUR per month before taxes, depending on experience and personal situation). The initial contract will be for 12 months.
- State-of-the-Art equipment, including the instrument exclusively dedicated to this project.
- Vibrant, interdisciplinary surroundings with ample funding and opportunities for networking.

What we ask:

- Candidates must have a PhD degree in physics, chemistry or similar
- Experience with scanning probe and low temperature methods is required.
- Experience with THz methods is desirable.

Further information:

- <https://www.peter-instruments.eu/>
- <https://www.ipc.uni-stuttgart.de/slageren/>
- [slageren@ipc.uni-stuttgart.de](mailto:slageren@ipc.uni-stuttgart.de)

Applications by email ([slageren@ipc.uni-stuttgart.de](mailto:slageren@ipc.uni-stuttgart.de)), including motivation for application and CV/publication list. The position is open until filled.