



At the Faculty of Science in the Center for Light-Matter Interaction, Sensors and Analytics (LISA<sup>+</sup>) of the University of Tübingen, Germany, a position as

## Research Scientist (TV-L 13, 100%)

at the postdoctoral level is available immediately.

The position is based on a fixed-term contract up to 31.12.2025 depending on prior experience. A doctoral degree in Chemistry, Physics or closely related subjects is required, and previous postdoctoral work experience is preferable. The appointed Junior Researcher will be linked to the local theory groups, but will work widely independently within the Core Facility for Light-Matter Interaction, Sensors and Analytics (LISA<sup>+</sup>, see also <https://www.lisaplus.uni-tuebingen.de>). The opportunity to pursue a habilitation will be provided.

The position has a teaching load of four hours per week, to be taught in the Physics, Chemistry, and/or Nanoscience BSc/MSc degree programs. The ideal candidate has a strong background in theoretical chemistry or theoretical physics and works in one or more of the following fields: Quantum-chemical calculations on the density functional theory level, finite-element based methods, finite-difference time-domain (FDTD) simulations or electromagnetic field simulations. A high commitment towards building his/her own independent research program is equally expected as the collaboration with other LISA<sup>+</sup> research groups and the contribution to joint research initiatives. Specifically, the following topics may constitute the basis for such on-going and planned joint research programs: Excited states in organic  $\pi$ -systems, diffusion of excitons, charge and energy transfer processes at nanostructured interfaces, the correlation between structure and structural defects with the optoelectronic properties of semiconductor nanostructures, atomic structure at interfaces and defects in strongly correlated oxides and correlation with electronic properties and collective states, transport phenomena in nanomaterials, or plasmonic effects in nanostructured metals. A potential focus on developing hybrid methods for addressing the intersection between objects at the 100 nm length scale and molecular structures is encouraged.

Interested candidates are asked to send a CV, a list of publications and a short research perspective **via email to [direktorium@lisaplus.uni-tuebingen.de](mailto:direktorium@lisaplus.uni-tuebingen.de) by 15.4.2021**. Handicapped candidates with equal qualification will receive preferential consideration. The University of Tübingen wishes to increase the proportion of women in research and teaching and strongly encourages qualified female candidates to apply.