The Cluster of Excellence “Physics of Life” (PoL) offers a position in the Junior Research Group Physical Chemistry of Biomolecular Condensates as

**Research Associate/Postdoc in THz Spectroscopy (m/f/x)**  
(subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

starting **as soon as possible.** The position is initially limited for 2 years. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz – WissZeitVG). The position offers the chance to obtain further academic qualification.

The Cluster of Excellence PoL ([https://physics-of-life.tu-dresden.de/en](https://physics-of-life.tu-dresden.de/en)) is an interdisciplinary research center for biology, biophysics and computer science, which is funded by the German Research Foundation (DFG) and offers a wide range of support structures. You will be part of the DRESDEN-concept Research Group Physical Chemistry of Biomolecular Condensates, a joint group between PoL and the Helmholtz Zentrum Dresden Rossendorf (HZDR), and work in a highly interdisciplinary environment. The mission of the group is to study structural and dynamical solvent properties in aqueous protein solutions with state of the art spectroscopic techniques. We seek independent, passionate, and motivated applicants to lead a project applying THz spectroscopy to study solvent dynamics in biomolecular condensates.

**Tasks:** You will spearhead the development and application of THz spectroscopy for probing solvent dynamics in aqueous protein solutions. You will be responsible for data collection and data analysis, as well as interpretation of data. You will participate in writing project proposals for the application of beamtime experiments. You will participate in the mentoring of Bachelors, Masters, or PhD students.

**Requirements:** A university and a PhD degree in Chemistry, Biochemistry, or Physics (or related fields) is required. Previous experience with ultrafast lasers, spectroscopy techniques, and nonlinear optics are desired. A background in aqueous solutions, soft matter, or biological systems is a plus but not necessary. Experience in programming languages such as LabView, Python, Matlab, or Wolfram will be considered positively.

For any questions regarding the position, please feel free to contact Dr. Ellen Adams ([ellen_marie.adams@tu-dresden.de](mailto:ellen_marie.adams@tu-dresden.de)).

**What we offer:** We offer an interdisciplinary and international research environment of high standing and visibility with challenging projects on diverse research topics. You will be part of a collaborative community at PoL, the Dresden campus, and HZDR. We provide the opportunity to learn project management skills, team leader skills, and teaching skills. Employment conditions include a comprehensive package with full social benefits, and remuneration according to the State Tariff for Civil Servants (TV-L).

Applications from women are particularly welcome. The same applies to people with disabilities.

Please submit your comprehensive application, including a cover letter explaining your motivation to apply for this position, a summary of your past research achievements, a CV including a list of your publications, and a copy of the certificate of your highest academic degree by **March 1, 2022** (stamped arrival date of the university central mail service applies) preferably by email in **one single PDF document** via the SecureMail Portal of the TU Dresden, [https://securemail.tu-dresden.de](https://securemail.tu-dresden.de) to **kerstin.pelz@tu-dresden.de** (subject line ‘Research Associate in THz Spectroscopy’) or by mail to: **TU Dresden, Exzellenzcluster „Physik des Lebens“,**
Nachwuchsforschungsgruppe Physikalische Chemie Biomolekularer Kondensate, Frau Dr. Ellen Adams, Arnoldstr. 18, 01307 Dresden. Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

Reference to data protection: Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: https://tu-dresden.de/karriere/datenschutzhinweis