Technische Universität Dresden (TUD), as a University of Excellence, is one of the leading and most dynamic research institutions in the country. Founded in 1828, today it is a globally oriented, regionally anchored top university as it focuses on the grand challenges of the 21st century. It develops innovative solutions for the world's most pressing issues. In research and academic programs, the university unites the natural and engineering sciences with the humanities, social sciences and medicine. This wide range of disciplines is a special feature, facilitating interdisciplinarity and transfer of science to society. As a modern employer, it offers attractive working conditions to all employees in teaching, research, technology and administration. The goal is to promote and develop their individual abilities while empowering everyone to reach their full potential. TUD embodies a university culture that is characterized by cosmopolitanism, mutual appreciation, thriving innovation and active participation. For TUD diversity is an essential feature and a quality criterion of an excellent university. Accordingly, we welcome all applicants who would like to commit themselves, their achievements and productivity to the success of the whole institution.

At the **Faculty of Chemistry and Food Chemistry,** the **Chair of Inorganic Molecular Chemistry** offers a position as

Research Associate / **PhD Student** (m/f/x)

(subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

starting at the **earliest possible date** in a **DFG** funded project **„Selektive Auf- und Abbaureaktionen kationischer cyclo-Phospane“.** The position is limited to 36 months and comprises 50% of the full-time weekly hours with the option to increase to 65% of the full-time weekly hours. The period of employment is governed by Fixed Term research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). The position offers the chance to obtain further academic qualification (usually PhD).

Tasks: Syntheses of new phosphorus-rich heterocycles, their follow-up chemistry and application as opto-electronic material. Characterization of the obtained products and intermediates via spectroscopic methods such as NMR, UV-vis, IR/Raman, mass spectrometry and X-ray structure determination.

Requirements: university degree (Master or equivalent) in chemistry; background in organic or inorganic molecular chemistry; an integrative and cooperative personality with high teamwork abilities; safe handling of inert gas techniques; knowledge of analytical methods for molecular chemistry; Microsoft Office and chemical software handling; confident presentation of scientific results in English and preferably in German.

TUD strives to employ more women in academia and research. We therefore expressly encourage women to apply. The University is a certified family-friendly university. We welcome applications from candidates with disabilities. If multiple candidates prove to be equally qualified, those with disabilities or with equivalent status pursuant to the German Social Code IX (SGB IX) will receive priority for employment.

Please submit your detailed application with the usual documents quoting the **reference number “w25-125”** by **June 6, 2025** (stamped arrival date of the university central mail service or the time stamp on the email server of TUD applies) to: **TU Dresden, Chair of Inorganic Molecular Chemistry, Prof. Dr. Jan J. Weigand, Helmholtzstr. 10, 01069 Dresden, Germany** or via the TUD SecureMail Portal https://securemail.tu-dresden.de by sending it as a single pdf file to **ac3.sekretariat@tu-dresden.de.** Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.