Faculty of Physics

At the Institute of Applied Physics (IAP), the Chair of Opto-Electronics (Prof. Dr. Karl Leo) is offering, as soon as possible, subject to resources being available, one or two project positions as Research Associate / Organic chemist (subject to personal qualification employees are remunerated according to salary group E 13 TV-L).

The position is initially limited for one year. The contract can be elongated depending on a new project. The period of employment is governed by § 2 (2) Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG).

The research activities of the Chair of Opto-Electronics focus on the basic physical characteristics of organic semiconductors and their device applications. The doping technology for organic small molecule semiconductors developed at the institute enables development of high efficiency organic light emitting diodes, solar cells and thin film transistors. Research work on organic semiconductors at TU Dresden is bundled within the "Dresden Integrated Center for Applied Physics and Photonic Materials" (DC-IAPP), which is one of the world's leading research institutions in the field of organic electronic devices.

Tasks: planning and implementation of new synthesis strategies toward novel carbocyclic and heterocyclic compounds including purification and sublimation; independent synthesis and full characterisation of novel organic compounds (NMR, UV-vis, DSC, TGA and CV); development of existing IP and contribution to generate new IP.

Requirements: university degree (master or comparable) and PhD in organic or metal-organic chemistry; interest in basic and application-related research; high self-motivation; experimental skills; excellent command of English language; excellent computer skills, ready-to-use and up-to-date knowledge of organic electronics.

For more information please contact Dr. Sascha Dorok (E-Mail: sascha.dorok@tu-dresden.de).

Applications from women are particularly welcome. The same applies to people with disabilities. Please send your complete application documents (cover letter, curriculum vitae, copies of relevant certifications, list of publications, reference list, etc.) by 06.05.2020 (stamped arrival date of the university central mail service applies) preferably via the TU Dresden SecureMail Portal https://securemail.tu-dresden.de by sending it as a single pdf-document to sascha.dorok@tu-dresden.de or to TU Dresden, Fakultät Physik, Institut für Angewandte Physik, Professur für Optoelektronik, z. Hdn. Herrn Dr. Sascha Dorok, Helmholtzstr. 10, 01069 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