Within the Center for Advancing Electronics Dresden, the Chair of Molecular Functional Materials offers a project position for the DFG project “Electrocatalytic Coordination Networks (SPP2 – 1928 – COORNET)” as

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

**Research area:** Synthesis of two-dimensional conjugated metal-organic framework films for electrocatalysis and (opto-)electronics

**Investigators:** Prof. Dr. Xinliang Feng

**Research path:** Organic/Polymer Path

**Terms:** 50 % of the fulltime weekly hours, starting from November 1, 2022 for a period of 5 months with the possibility of extension. The period of employment is governed by the § 2 Abs. 2 Fixed-Term Research Contracts Act (Wissenschaftszeitvertragsgesetz – WissZeitVG).

**Position and Requirements**
The DFG Project encourages the highest quality research in Europe through competitive funding and by supporting investigator-driven frontier research on the basis of scientific excellence. The project allows researchers to identify new opportunities and tries to fund new and promising topics with a great degree of flexibility. Ultimately, with this project we would like to address the needs of a knowledge-based society and provide Europe with the capabilities in frontier research necessary to meet global challenges.

Within this project, the Chair of Molecular Functional Materials is focused on the applications of new 2D metal organic frameworks and related materials for optoelectronics and catalysis.

The successful candidates will be responsible for: synthesis of novel conducting 2D metal organic frameworks, covalent organic frameworks as well as 2D materials; characterization of these materials via AFM, RAMAN, SEM; organizational tasks within the project.

We aim at attracting the best talents in the respective research fields and expect the following: an outstanding university degree in materials science, coordination chemistry, polymer chemistry or similar; previous experience in MOF synthesis and 2D materials and electronic technologies; very good interpersonal and communication skills; in particular, the ability to effectively work in collaborative research efforts; an independent, target- and solution-driven work attitude; inter- and multidisciplinary thinking; strong motivation and interest to join one of the most ambitious interdisciplinary research centers; fluency in English - written and oral.

**What we offer**
You will join a team of enthusiastic scientists who pursue creatively their individual research agenda inspired by the center’s innovative approach and support. Your research will be fostered by the cfaed philosophy to promote early career researchers, which includes: access to state-of-the-art research of leading academic institutes; promotion of gender equality and family-friendly work environment.

Informal enquiries can be submitted to Prof. Dr. Xinliang Feng, Tel +49 (351) 463 43251; Email: xinliang.feng@tu-dresden.de.

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

Your application *(in English only)* should include: motivation letter, CV, copy of degree certificate and proof of English language skills.

Complete applications quoting the reference **SPP2-2022-11** should be submitted by **September 6, 2022** (stamped arrival date of the university central mail service applies) to: **TU Dresden, cfaed, Professur für Molekulare Funktionsmaterialien, Herrn Prof. Dr. Xinliang Feng, 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.

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**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://tudresden.de/karriere/datenschutzhinweis](https://tudresden.de/karriere/datenschutzhinweis)

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**About cfaed**

cfaed is a Central Academic Unit of TU Dresden and brings together 300 researchers from the university and 10 other research institutes in the areas of Electrical and Computer Engineering, Computer Science, Materials Science, Physics, Chemistry, Biology, and Mathematics. cfaed addresses the advancement of electronic information processing systems through exploring new technologies which overcome the limits of today's predominant CMOS technology. [www.cfaed.tu-dresden.de](http://www.cfaed.tu-dresden.de)

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**TU Dresden**

The TU Dresden is among the top universities in Germany and Europe and one of the eleven German universities that were identified as an ‘elite university’. As a modern full-status university with 17 faculties it offers a wide academic range making it one of a very few in Germany.