

Goethe-Universität Frankfurt am Main
Inst. für Anorganische und Analytische Chemie, Prof. Dr. Matthias Wagner

Biochemie, Chemie und Pharmazie

Institut für Anorganische und Analytische Chemie

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Position available: Small-Molecule Crystallographer (TV-L E13)

The position is available in the research group of Prof. Dr. Matthias Wagner, Goethe-Universität, Frankfurt am Main, Germany:

https://www.uni-frankfurt.de/58708118/Group_of_Prof_Dr_Matthias_Wagner

Our work focuses on organic and organometallic synthesis with particular emphasis on OLED materials, group-IV precursors for the generation of monodisperse nanostructures/semiconductor materials, and homogeneous catalysis.

There is opportunity for independent work/publications to advance the career of the scientist, who will also be the co-author of all papers from the Wagner group with a contribution from crystallography. Applicants with additional expertise in quantum-chemical calculations are particularly welcome (not mandatory).

The scientist will oversee and manage the day-to-day operations of the small-molecule X-ray platform, which consists of a STOE IPDS II diffractometer equipped with a GENIX microfocus tube and an Oxford Cryosystems 700 low-temperature device. The samples, which are often air- and moisture sensitive, are typically mounted in a perfluorinated polyether oil on a glass fiber and measured at 100 K (approx. 1 sample per day). The main tasks include: instrument maintenance; consulting with potential users; mounting sensitive crystals and collecting data; solving and refining molecular structures; discussing important structural parameters in the context of literature data; depositing the refined data sets; writing the crystallographic part of manuscripts; training new users.

The position (TV-L E13; full position) is available from July 2022 for a period of 6 years (if desired, any period from 2 years on is possible); a tenure-track option exists, but cannot yet be guaranteed. Further details/special arrangements should be discussed in person.

If you are a highly motivated crystallographer and interested in becoming an essential member of a vibrant research group, please contact:

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Prof. Dr. M. Wagner