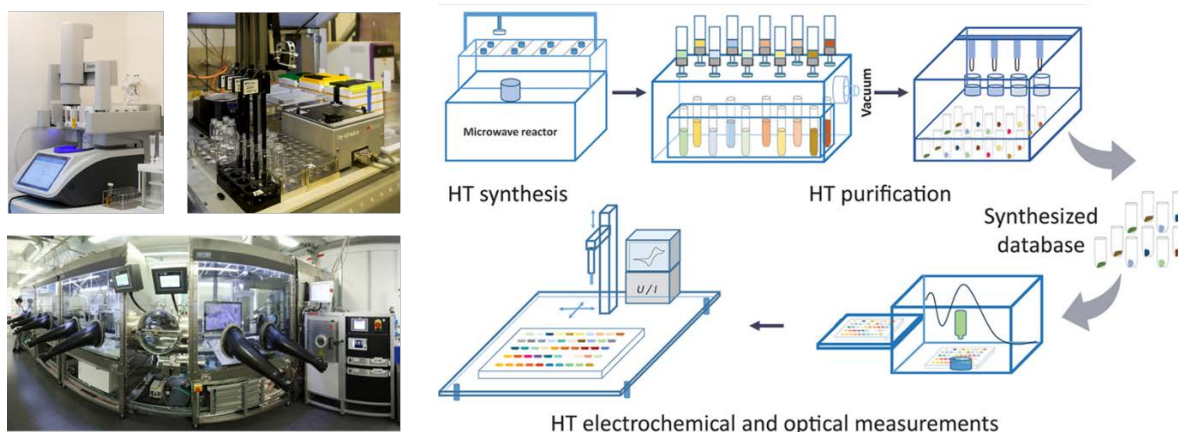




At i-MEET and HI ERN, we are offering

2 PhD positions in Materials Discovery

in the framework of a recently granted DFG Forschungsgruppe 3D-HF-MID about new fabrication methods for high-frequency devices¹. The topic of the PhD projects will be the AI-guided synthesis of new dielectric and conductive materials for application in Aerosol jet printing. HI ERN and i-MEET specialize in high-throughput synthesis, device fabrication, characterization, and simulation. The characterization and application of the synthesized materials will be done in close collaboration with the partners in Erlangen.



*Illustration and schematic of high-throughput synthesis (from J. Wu et al., Inverse design workflow discovers hole-transport materials tailored for perovskite solar cells. Science **386**,1256-1264(2024))*

We are looking for candidates with experience in synthesis (master's degree in chemistry, chemical engineering, or equivalent) and an interest in data science who enjoy working in an international and interdisciplinary team.

The project is running for four years with a start date as soon as possible, the salary will be according to TVL E13 (75%). The deadline for the application is January, 31st, 2025.

Please send your application to Claudia Koch (Claudia.koch@fau.de) and Dr. Karen Forberich (k.forberich@fz-juelich.de).

¹ <https://www.fau.de/2024/12/news/neue-dfg-forschungsgruppen-der-fau/>