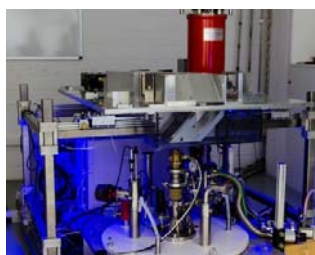


Junior Research Group Hosting 2020

We are interested in hosting candidates that are looking to apply for funding to start their own independent research group and that could profit from our research infrastructure. Funding possibilities include ERC StG/CoG (deadline 9 March 2021), DFG Emmy Noether (no deadline), and BW MWK Margarethe von Wrangell (deadline 30 September 2020).

Research infrastructure in the Van Slageren group includes:

- Synthesis labs with glovebox and Schlenk lines.
- EPR spectrometers: CW X-Band, pulsed Q-band, high-frequency EPR (80 - 1100 GHz)
- Optical spectrometers: Luminescence, magnetic circular dichroism
- SQUID MPMS3 magnetometer
- Workstations: Microwave simulations, ab initio calculations
- Surface and thin layer equipment: spin coater, plasma cleaner, AFM
- General purpose equipment: superconducting magnets (15T, 10T optical, 12T wide bore), source-measure unit for transport measurements, 40 GHz VNA, 20 GHz AWG.



Facilities and Environment:

- Access to analytics including NMR, mass spec, crystallography
- Mechanical, electronic, glass workshops
- Local helium liquefier
- Access to microstructure lab
- Participation, networking and independent funding opportunities provided by the Center of Integrated Quantum Science and Technology (IQST).
- Mentoring, further qualification.

More information:

- <https://www.ipc.uni-stuttgart.de/slageren/>
- <https://erc.europa.eu/>
- https://www.dfg.de/en/research_funding/programmes/individual/emmy_noether/index.html
- <https://mwk.baden-wuerttemberg.de/de/service/ausschreibungen/>
- <https://iqst.org/>