

CELEST Member Short Profile



Max von Delius

Since 2016, Max von Delius is Professor of Organic Chemistry at Ulm University. He studied chemistry at Friedrich-Alexander University (FAU) in Erlangen and at Louis-Pasteur University in Strasbourg (France). He obtained his PhD from the University of Edinburgh (Scotland) and was a Leopoldina postdoctoral fellow at the University of Toronto (Canada). His junior research group was supported since 2014 by the Emmy-Noether programme of the DFG. Max von Delius was awarded an ERC Starting grant (2018), the FCI/Hoehst Dozentenpreis (2018) and the Cram-Lehn-Pedersen Prize (2022). He is the Director of the Institute of Organic Chemistry I, serves as Local Chair of the German Chemical Society (GDCh) and is a Principal Investigator within Research Unit A of POLiS.

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Research areas

Our research activities are positioned at the interface of supramolecular chemistry, dynamic covalent chemistry and the synthesis of functional materials. For battery research, our expertise with dynamic covalent sulfur chemistry (disulfide bonds, trithioorthoesters), as well as single-walled carbon nanotubes is relevant. We currently develop novel cathode materials for Li-S and Mg-S batteries.

Lab equipment (at UUlM, "Uni Ost")

Fumehoods, synthesis equipment (rotavaps, pumps, hotplates), glovebox, SPS, optical microscope, ATR-IR, UV-Vis spectrophotometer, HPLC, Single-Quad-HPLC-MS, QToF-HPLC-MS, flash chromatography, microwave, CV, IKA Electrasyn, lyophilizer, polarimeter.

Von Delius @ IOC I

<https://www.deliugroup.net>

Link OCI @ IOC I

<https://www.uni-ulm.de/nawi/oci/>

Link lab equipment

<http://www.deliugroup.net/research/instrumentation.html>

Partners