GESELLSCHAFT DEUTSCHER CHEMIKER



45th FGMR Annual Discussion Meeting

Joint International Conference of the German, Danish, Polish, and Swedish Magnetic Resonance Communities

> September 9 – 12, 2024 Rostock, Germany





Traditio et Innovatio



www.fgmr2024.uni-rostock.de



Division of Magnetic Resonance of the German Chemical Society



▶ INVITATION

We cordially invite you to join the 45th FGMR Annual Discussion Meeting and Joint Conference of the German, Danish, Polish, and Swedish Magnetic Resonance Communities, which will be held under the auspices of the Division of Magnetic Resonance (FGMR) of the German Chemical Society (GDCh) together with the three partner countries Denmark, Poland, and Sweden in the beautiful Hanseatic City of Rostock.

The program will cover all topics where resonances of electron and/or nuclear spins are detected, including classical solution and solid-state NMR/EPR as well as all types of other related topics like hyperpolarization, dynamics & diffusion, imaging, instrumentation, exotica, legal affairs, and much more. Besides 11 plenary presentations as well as 30 invited talks over 3 parallel sessions, we will additionally select 30 of the contributed abstracts as promoted talks. Plenty of opportunities for in-depth discussions will arise during 2 extended poster sessions and an interactive roundtable discussion on the topic of artificial intelligence in magnetic resonance led by several invited international expert panelists on that field. There will also be numerous awards sessions, including the Felix-Bloch Lecture, the Overhauser- and the Ernst-Awards, as well as the Otto-Stern Prize and the Honorary Lifetime Membership Award.

We aim to provide a comfortable atmosphere of intense knowledge exchange, supporting you to find effective scientific solutions and jumpstarting novel developments within the magnetic resonance community all over the world.

We look forward to seeing you there! On behalf of the whole organizing team and the scientific committees

Björn Corzilius (Conference Chair)
GDCh Division of Magnetic Resonance (FGMR)



TOPICS

- Biological Systems & In Cell
- Diffusion & Imaging (MRI/EPR)
- DNP & Hyperpolarization
- EPR/ESR
- Hardware & Miniaturization
- Materials, Catalysis & Energy
- Nano & Quantum Sensors
- Pharmaceuticals & Drug Discovery
- Process Monitoring, Quality Control & Legal Matters
- Relaxation & Dynamics
- Research Data Management
- Small Molecules & Metabolomics
- Solid-state NMR
- Solution NMR
- Theory, AI & Computation
- Zero & Low Field
- Others

Oral presentations and posters can be submitted at

www.gdch.de/fgmr2024

A sample abstract can be found on the website. No revisions or corrections will be made by the scientific committee. After successful transmission you will receive a reference code for each submitted abstract. The scientific committee reserves the right to accept or reject abstracts, and to assign them to oral or poster contributions.

INFORMATION

SCIENTIFIC COMMITTEE

Göttingen, DE Prof. Dr. Christian Griesinger Prof. Dr. Henrike Heise Jülich, DE Prof. Göran Karlsson Gothenburg, SE Prof. Wiktor Koźmiński Warsaw. PL Dr. Johannes Liermann Mainz. DE Karlsruhe. DE Prof. Dr. Burkhard Luy Prof. Dr. Jörg Matysik Leipzig, DE Prof. Johannes Messinger Uppsala, SE Prof. Niels Christian Nielsen Aarhus, DK Prof. Dr. Piotr Pietrzyk Kraków, PL Prof. Dr. Olav Schiemann Bonn, DE Prof. Dr. Monika Schönhoff Münster, DE Dr. Karsten Seidel BASE SE Ludwigshafen, DE

▶ LOCAL COMMITTEE

Dr. Wolfgang Baumann

Prof. Dr. Björn Corzilius

Prof. Dr. Sven Grundmann

Prof. Dr. Ralf Ludwig

Dr. Dirk Michalik

Dr. Jabor Rabeah

DI. Jaboi Kabean

Prof. Dr. Friedemann Reinhard

Dr. Anne Strate

CONFIRMED PLENARY SPEAKERS

Gothenburg/SE Prof. Dr. Björn M. Burmann Prof. Dr. Jan Henrik Ardenkjær-Larsen Copenhagen/DK Zurich/CH Prof. Dr. Christophe Copéret Prof. Dr. Petrik Galvosas Wellington/NZ Prof. Dr. Jan G. Korvink Karlsruhe/DE Prof. Dr. Danuta Kruk Olsztyn/PL Prof. Dr. Klaus Lips Berlin/DE Brno/CZ Prof. Dr. Petr Neugebauer

Prof. Dr. Tatyana Polenova

Newark, Delaware/US

Prof. Dr. Christina Thiele

Darmstadt/DE

Prof. Dr. Jörg Wrachtrup Stuttgart/DE



▶ REGISTRATION

Registration is open and possible at www.gdch.de/fgmr2024.

SUBMISSIONS

Abstract submission deadline for promoted talks June 15st, 2024. Abstract submission deadline for posters July 15th, 2024.

SOCIAL PROGRAM

Conference Dinner

The Conference Dinner will take place at in a festive atmosphere.

City Tour

Guided city hike in German or English

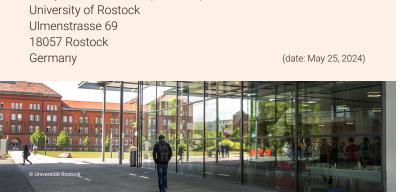
ACCOMMODATION

A number of hotel rooms is reserved near the conference location. You will find further information at

www.fgmr2024.uni-rostock.de/venue/accommodation

VENUE

Campus Ulmenstraße (Audimax)





SCHOLARSHIPS

A limited number of travel stipends is granted to younger members (MSc, PhD, Postdocs) of the GDCh Division of Magnetic Resonance. Prerequisite is an active participation in the conference (oral/poster contribution). Deadline: August 25, 2024.

For further information, please see:

www.fgmr2024.uni-rostock.de

INFORMATION ABOUT THE SCIENTIFIC PROGRAM

Prof. Dr.-Ing Björn Corzilius

University of Rostock Institute of Chemistry

Department of Physical Chemistry

Albert-Einstein-Straße 27

18059 Rostock, Germany

Tel.: +49 (0)381 498 - 6498

Fax: +49 (0)381 498 - 6502 famr2024@uni-rostock.de

▶ INFORMATION ABOUT THE ORGANIZATION

Gesellschaft Deutscher Chemiker e. V. (GDCh)

(German Chemical Society)

Arnd Bohl – Event Team

P.O. Box 90 04 40

60444 Frankfurt am Main

Germany

Varrentrappstr. 40-42

60486 Frankfurt am Main

Germany

T: +49 69 7917-403

a.bohl@gdch.de

www.gdch.de

Executive director: Professor Dr. Tom Kinzel Registered charity no: VR 4453 Registergericht Frankfurt am Main