Details

Network Mass Spectrometry (NetMaS)

The Network Mass Spectrometry of the University of Münster brings together scientists from diverse fields such as chemistry, pharmacy, medicine, biology, physics and geosciences. Basic scientific research as well as innovative technology go hand in hand with the implementation of mass spectrometry for the work on complex questions. A wide range of instruments, localized in the laboratories of collaborating working groups, is available to scientists of the University and guests. With this structure, a unique variety of analysis strategies can be offered to mass spectrometry users. The science infrastructure of the University of Münster is optimized efficiently. The network offers ideal conditions for intensive exchange, supports interdisciplinary collaboration and allows for the joint use of a !arge number of highly sensitive instruments. Cross-faculty events offer a view over the horizon and a platform for exchange of research results in order to spark new interdisciplinary projects.

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To website

Host Institution

Universität Münster
Schlossplatz 2
48149 Münster
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https://www.uni-muenster.de

Scientific Domain

Primary Subjects:
- Biology
- Medicine
- Chemistry
- Physics
- Geosciences (including Geography)

Secondary Subjects:
- Materials Science and Engineering

Category

Analytical Facilities

Scientific Services

In the last decades, a highly productive and wide-ranging competence in the field of mass spectrometry was established at the University of Münster. With circa 90 instruments almost all areas of mass spectrometric applications are covered. The instruments are located decentralized over the individual institutes and made accessible for all interested scientists over an instrument platform. Triple quadrupole MS, Q-TOF, Orbitraps, ion traps with UHPLC or GC coupling as well as quadrupole ICP-MS, HR-ICP-MS, MALDI-TOF MS, TOF-SIMS, and many other mass spectrometers are available. Project partners, instrument use and/or mass spectrometric measurements can be arranged via the mass spectrometry network. Platforms for quick communication regarding technical problems as well as tips and tricks and for collecting device information and other everyday issues are provided by the network. Assistance with applications for major instrumentation is also offered.

Scientific Equipment

- triple quadrupole mass spectrometer
- gas chromatography mass spectrometer
- time-of-flight mass spectrometer
- single quadrupole mass spectrometer
- ion trap mass spectrometer
- inductively coupled plasma mass spectrometer
- orbitrap mass spectrometer
- high resolution mass spectrometer
- MALDI mass spectrometer
- secondary ion mass spectrometer

Keywords

- mass spectrometry
- research
- natural sciences
- ionizationsources
- research infrastructure
- hyphenation techniques
- cooperation projects

Networks

Users per annum

Internal Users: 200 (Nutzung der Geräte und Teilnahme an Networking Veranstaltungen)
External Users in total:
External Users: 10
External Users in the EU: 0
External Users outside of EU: 0