

Lipidomics Facility, IMBIO Institute, University of Bonn

Terms of Usage

1. Localization, structure

Lipidomics Facility at the IMBIO institute of University of Bonn

Karlrobert-Kreiten-Str. 13

53115 Bonn

www.imbio.uni-bonn.de/molekulare-biotechnologie/lipidomics-platform

Head and Director of Facility: Prof. Dr. Peter Dörmann

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Facility manager and contact person: Helga Peisker, phone: 73-1638

2. Definition, Mission

The lipidomics facility at the IMBIO institute of the University of Bonn is operated by the IMBIO Institute, Karlrobert-Kreiten-Str. 13. It allows all scientists from University of Bonn (internal users, including employees, visiting scientists, fellowship holders) to access established and innovative methods and instruments in the area of lipid mass spectrometry. External users are all scientists who are not internal users. Expertise is provided for the establishment of protocols and the selection of methods, as well as in the recording, electronic processing and interpretation of the data. The services of the lipidomics facility includes:

- Support of research by providing the latest methods and technology,
- Training and knowledge platform,
- Establishment and evaluation of new methods.

The lipidomics facility is in close contact with and embedded into a network of mass spectrometry facilities at University of Bonn.

3. Available instrumentation

Liquid Chromatography Mass Spectrometry Agilent Q-TOF 6500

Liquid Chromatography Mass Spectrometry AB/Sciex 6500+

Gas Chromatography Mass spectrometry Agilent GC-MS

HPLC: Agilent 1100, 1200 series with DAD and fluorescence detectors

4. Service operation and access for users

The research work is carried out by employees of the lipidomics facility as a service. This type of use takes place within the framework of available resources and in accordance with the contact person of the facility and the respective user. The lipidomics facility is available to internal and external users. The use requires a registration, which includes the recording of the contact details of the user, the associated institute and the cost-bearing institution. The facility manager might allow experienced users to operate the instruments independently at his/her own discretion. External users can be admitted as users provided that this does not affect the interests of internal users. The chronological order of admission depends on the receipt of the application for use and is organized by the facility manager. Access is usually restricted to office hours. Use by unauthorized persons is not permitted.

5. Data storage

The data and results are recorded by the lipidomics facility and stored digitally. The measurement data are made available to the users. Users are instructed to transfer the data to another location as soon as possible. Together with the network administration, the lipidomics facility ensures the operation of the IT infrastructure and the availability of the data within the scope of the technical and personnel resources. The archiving of the data remains with the responsibility of the user, as the owner of the data. The data will not be passed on to third parties.

6. Safety instructions

The following safety and health-related issues must be observed:

Health and safety regulations (also with regard to the use of vacuum pumps, etc.),

Laws relevant to genetic engineering (S1 Gentechnik),

Disposal of chemical waste,

Before booking and using, the user must ensure that special legal requirements for the intended use must be observed.

7. Usage costs

The use of the lipidomics facility is chargeable. Costs for the use of devices for mass spectrometry are based on the flat rates from the DFG form 55.04. "Notes on device usage costs and device centers". The usage costs only include the project-specific

additional costs. Personnel costs for basic operations, service and maintenance contracts, maintenance costs, depreciation and reinvestment costs are not included. The price list valid at the time the service is provided on the web page (www.imbio.uni-bonn.de/molekulare-biotechnologie/lipidomics-platform). Exceptions to this must be agreed in advance with the facility management. For long-term projects, partial billing of services already performed is possible at the end of the calendar year. To stimulate further applications for third-party funding and publications, the service can be free of charge until the application is ready.

Price list (March 2020)

Costs are calculated for each sample processed.

A	Lipid isolation from cells/tissue	20 Euro
B	Solid phase extraction (SPE) on silica columns	20 Euro
C	Lipid quantification by direct infusion Q-TOF MS/MS	50 Euro
D	Lipid quantification by LC-MS	70 Euro
E	Fatty acid or sterol derivatization	20 Euro
F	GC or GC-MS analysis	20 Euro

8. Publications

The evidence of university-wide cooperation and scientific contributions is an important basis for the assessment of the facility. For guidelines on how to consider authorship for publications according to Good Scientific Practice, please refer to the information of the DFG at:

www.dfg.de/sites/flipbook/gwp/files/assets/basic-html/page32.html

9. Good scientific practice, improper use, liability

The lipidomics work follows to the guidelines for ensuring good scientific practice at the University of Bonn, based on the recommendations of the German Research Foundation (DFG). The users of the facility are obliged to follow these guidelines. Improper use of the facility, disregard of rules or regulations of use or of instructions of the facility staff, the head of the facility has the right to temporarily exclude the user concerned from service of the facility. Any damage or malfunction of the instruments must be reported to the facility staff. The institution that bears the costs is liable for all

damage caused by its users. In the event of a conflict e.g. an overbooking or a potential misconduct, the facility management tries to resolve the conflict.

10. Confidentiality and protection of intellectual property

The work of the facility and their users is considered their intellectual property and must therefore be treated confidentially, unless agreed otherwise. Unless otherwise agreed, all rights, titles and interests in the self-developed technology (e.g. experiments) remain with the lipidomics facility, including all copyrights and patent rights, rights to trade secrets and other intellectual property in connection with ideas, concepts, methods, procedures, techniques and inventions or copyrighted works (including algorithms, programs and documentation) developed by the facility.