

Details

Core Facility Flow Cytometry, Biomedical Center, Ludwig-Maximilians-Universität München (CFFlowCyt)

The new Biomedical Center Munich (BMC) is one of the largest research institutions to be built in Germany in recent years, providing laboratories and teaching space for some 60 research groups with approximately 450 employees. The BMC is a central element in LMU's strategy for close integration and translation of biomedical research and patient care. The location is a distinguished site for life sciences, a unique agglomeration of renowned scientific institutions. The environment provides an outstanding research infrastructure for top-class interdisciplinary research. Combining preclinical, clinical-theoretical and clinical institutes and chairs, BMC research is committed to bridging the divide between basic research and clinical application. A total of six Core Facilities, including the Core Facility Flow Cytometry provide specialized technology for the research groups. The Core Facility Flow Cytometry is hosted by the Chair for Immunology, and provides access to high-end flow cytometers and cell sorters to all groups of the BMC as well as external groups. In accordance with the variety of fields of research at our campus, we can accommodate a broad range of applications. In addition, we offer trainings and service operations. The Scientific and the Technical Manager combine many years of experience and in-depth knowledge of the technique and are integrated in relevant scientific and technological networks.

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Host Institution

Ludwig-Maximilians-Universität München
Geschwister-Scholl-Platz 1
80539 München
Bayern
Deutschland
<http://www.lmu.de>

Scientific Domain

Primary Subjects:

- Biology
- Medicine

Secondary Subjects:

- Agriculture, Forestry, Horticulture and Veterinary Medicine
- Chemistry
- Physics

Category

Analytical Facilities

Scientific Services

The Core Facility Flow Cytometry is a Shared Ressource Lab specializing on flow cytometry and cell sorting. We currently provide access to as well as training and services (service sorting, service analysis) at 3 high-end flow cytometers, 3 high-end cells sorters, 1 autoMACS Pro cell separation station, 1 imaging flow cytometer including analysis PC, and 1 Biomark HD high-throughput PCR system. After an initial project discussion, users may be trained to operate the instruments and can then book and use them autonomously. Theoretical training is offered through courses and advanced workshops. The Core Facility staff is also available to consult on experimental design, sample preparation, data acquisition, analysis and interpretation. All offers are available to internal research groups and also external partners as far as capacity allows. Yearly, we welcome members of 21 research groups within BMC, 10 additional groups in the larger environment within our university, as well as 5 external academic groups (as of March 2021).

Scientific Equipment

- Cell analyser (2 laser, 7 FL parameters)
- Cell analyser (5 laser, 18 FL parameter)
- Cell sorter (4 laser, 14 FL parameter)
- Cell sorter Bioll (4 laser, 16 FL parameter)
- Cell sorter (5 laser, 18 FL parameter)
- autoMACSpro cell separation station
- Imaging cytometer Amnis ImageStreamX
- Amnis high-capacity analysis station
- Biomark HD highthroughput-PCR
- high-throughput sampler for cell analyser
- Full Spectrum Cell Analyzer (5 Laser)

Keywords

- flow cytometry
- FACS
- imaging cytometry
- cell sorting
- high throughput PCR
- Biomark
- microbiology
- immunology
- fluorescent proteins
- index sorting
- single cell deposition

Networks

German Cytometry Society

<http://www.dgfz.org>

International Society for Advancement of Cytometry

<http://isac-net.org>

Users per annum

Internal Users: 120

External Users in total: 40

External Users: 39

External Users in the EU: 1

External Users outside of EU: 0