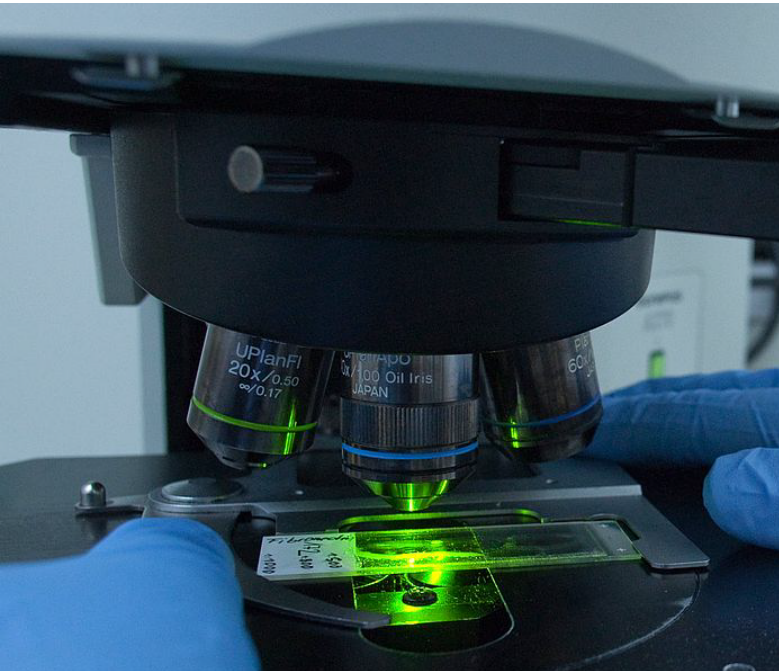


Newsletter



Core Facilities are an infrastructure measure of the Medical Faculty. Resources are offered for joint usage across all institutions as well as external institutions in order to strengthen scientific performance.

Welcome to our first Core Facility Newsletter!

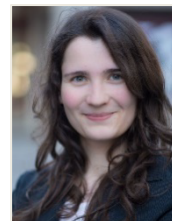
With this newsletter we want to inform our current and potential new users about upcoming events, workshops, new services and instruments in the Core Facilities of the Medical Faculty.

Currently 14 Core Facilities (CFs) and the DFG Center for Translational Imaging MoMAN offer their wide range of **services and expertise** in the fields of Imaging, Omics, Metabolism, Sorting, Analysis and much more! Various trainings are offered to all interested users.

In 2021, the Medical Faculty has established two new Core Facilities: the Core Facility **Organoids** and the Core Facility **Immune Monitoring** which are introduced here.

Also, we created a common **logo** for our CFs which represents the structural network and continuous interaction of our service units with their users.

If you have any questions regarding our CFs please contact the **Core Facility Management**.



Dr. J. Nagy
Core Facility Manager

julia.nagy@uni-ulm.de
+49 (0)731 500-33635

Visit all our Core Facilities here: www.uni-ulm.de/en/medical-faculty/research/core-facilities/

Core Facility Organoids

Organoid technology plays a central role in the field of **personalized medicine**. Starting from small pieces of tumor tissue, the Core Facility Organoids establishes organoids from different entities. These **3D-structures** reflect the characteristics of the original tumor and are therefore suitable for clinical applications and research.

The Core Facility realizes **customer-orientated** pharmacotyping of relevant drugs and biobanking of generated tumor organoids to set up a valuable research platform.

Please visit our **Website** for more information:
www.uni-ulm.de/en/medical-faculty/research/core-facilities/organoids/



Prof. A. Kleger
Head



Dr. J. Merkle
Deputy

Alexander.Kleger@uni-ulm.de
Jessica.Merkle@uni-ulm.de
+49 (0)731 500-44536 or -44823

What services do we offer?

- Establishment and cultivation of organoids
- Biobanking
- Drug screening
- Methods training

What instruments do we have?

- Pipetting robot MANTIS® Liquid Handler (Formulatrix)
- currently being set up: 3D Bioprinter BioAssemblyBot®400 (Advanced Solutions)

What are our research areas?

- Cancer
- Pharmacotyping

Core Facility Immune Monitoring

The Core Facility Immune Monitoring offers an optimal full-service in the field of immune monitoring **of human and murine solid tumors**. Our full-service extends from sample preparation to the staining of samples using standardized panels for immune phenotyping as well as data analysis.

In addition, we offer the isolation of **exosomes** and their subsequent analysis using ZetaView® Particle Tracking Analyzer.

Please visit our **Website** for more information:
www.uni-ulm.de/medizinische-fakultaet/forschung/core-facilities/immune-monitoring/



Prof. C. Brunner
Head



A. Betzler, M.Sc.
Deputy

cornelia.brunner@uniklinik-ulm.de
+49 (0)731 500-59714

annika.betzler@uniklinik-ulm.de
+49 (0)731 500-59718

What services do we offer?

- Initial project planning
- Sample preparation (PBMC, TIL, exosomes)
- Cell Characterization and Phenotyping
- Data Analysis

What instruments do we have?

- Flow Cytometer Gallios (planned equipment: 5-Laser, up to 30 colors detectable)
- ZetaView®
- gentleMACS Octo Dissociator
- VetScan Hematocytometer

What are our research areas?

- Oncology
- Immunology
- Immunotherapy
- Extracellular vesicles

Core Facility Genomics

In January 2022 the Medical Faculty provided the financial support to establish a **Single Cell Sequencing** service. The Core Facility Genomics is now equipped with the newest instrument by 10x Genomics (Cromium iX Controller) as well as an automatic cell counter. The service will be accompanied by an [introductory seminar](#) by 10X Genomics on the **12th of May**.

In the meantime we would like to draw your attention to a **summary** of some recent [developments of new methods and techniques](#) available at the Core Facility Genomics and the Core Unit Bioinformatics.

More information on our **Website**: <https://t1p.de/p9a8>



Prof. K. Döhner
Head



Dr. K. Holzmann
Deputy

karlheinz.holzmann@uni-ulm.de
+49 (0)731 500-446941

Core Facility Laser Microdissection

The Core Facility Laser Microdissection provides a system for the contamination-free separation and collection of cells to be analyzed from tissue samples or cell cultures.

Workshop Announcement

The Core Facility Laser Microdissection is planning a **hands-on workshop** this summer. Interested working groups are welcome to contact the CF LMD and suggest topics that would be of interest to them.

Further information will be published soon on the [CF LMD homepage](#)



Dr. C. Wiegreffe
Deputy



D. Krattenmacher,
MSc, Techn. Support

med.lmd@uni-ulm.de

Find out more about our Core Facilities and their instruments and services!

Visit our **Website** at: www.uni-ulm.de/en/medical-faculty/research/core-facilities/

