

LEIBNIZ SYMPOSIA ON MULTIOMICS



« Recent Advances in OMICS Technologies »

Berlin, different locations
Monthly-every third Thursday: 14 to 18 o'clock (2 to 6 pm)

- ANNOUNCEMENT -

Organizer:

LEIBNIZ-INSTITUT
of Interdisciplinary Studies e.V. (LIFIS)
Berlin
www.leibniz-institut.de

in cooperation with



and other partners

Program content:

Due to the rapid developments in diagnostic platforms in the direction of comprehensive multiplexity today or in the very near future, laboratory diagnostics will reach a new level that will enable a largely comprehensive picture of the person being examined. Future diagnostic data will to be obtained reliably and in a highly standardised manner using a very small number of analyses carried out on a limited number of diagnostic platforms. This means that a diagnosis can be made more quickly and a personalised therapy can be started earlier if necessary.

The basic idea of this underlying vision is based on a standardised, multiplex-multiparametric examination of all available body fluids, but also of cells, tissues, stool samples or biofilms for comprehensive pathogen identification and simultaneous detection of other pathogenic changes in the genome, transcriptome, epigenome, microbiome and, in parallel, in the proteome/peptidome and metabolome.

After data acquisition, an AI-controlled comparison with special databases takes place immediately, which, after comparison with big data-based reference collectives, allows pathologically altered parameters to be identified in the shortest possible time. This validated information as an overall finding should then, if possible, lead to the proposal of a personalised, optimised therapy for the respective person. Conventional, guideline-based therapy options should be prioritised, but alternative treatment options should also be identified. New forms of therapy such as stem cells, CAR-T cells and genome editing can also be suggested if all personal data is available. All therapy proposals must be based on evidence-based data from large scientifically published studies or cohort analyses based on real data.

The future structure of laboratory entities for the rapid creation and evaluation of research and laboratory data is to be discussed in the form of a brain-storming sessions. Lecturers will be representatives from various companies that manufacture diagnostics-relevant reagents, technologies or devices. They will discuss the pros and cons of their platform technologies with other representatives or users of these products.

The aim of these symposia is to present the most comprehensive and practical developments currently available in the field of multi-omics. The aim is to identify the platform with the most diverse range of applications and the minimum requirements for this.

After a brief presentation of the overall idea by the symposium organiser and a general introduction lecture, a representative (preferably from the premium partner) will give a plenary presentation on the existing technology development with all its possible applications. In addition to the data technology, methodological and equipment aspects of future laboratory work, spatial and network-related requirements as future laboratory entities will also be addressed. The following speakers will orientate themselves on the plenary lecture and then present their analogue technological developments, with particular emphasis on the advantages, further fields of application and limitations of their own or other platforms.

The aim of these symposia is to identify the current state of the art technology for each OMICS area in research and diagnostics.

Proposed program:

- Welcome - Dr. Lassner, DNA24.net and LIFIS – 15 min
- Introduction lecture (30 min) – changing referents
- Lead lecture for technological application– preferably by Premium Partner (30 min)
- 2-3 Short Lectures by competing representatives (15 min each)
- Q&A
- Symposium Get-to-Together

Workshop Venue: Berlin, different locations

Conference Language: German/English

Invited Referents (Selection):

See details for the individual workshop

Participation:

Hybrid: on-site and online[§] participation possible

[§]Check for each individual workshop if this option is available

Registration:

On-site participation: maximal 60 participants, registration fee: 60 Euro*

Online participation: no limit, registration fee: 20 Euro#

Subscription for 10 workshops – on-site participation: €450

Specific workshops can be selected for the subscription; otherwise, they apply to the 10 subsequent events. Availability is a prerequisite. The first-come, first-served principle applies.

*: online registration required

#: online registration required, dial-in code will be send to registration email.

Website: www.leibniz-institut.de/multiomics/en/registration

Contact email for presenter and premium partner: info@dna24.net

In future, all symposia will be digitally recorded and made available online via the LIFIS-EDU platform for all registered participants one week after the event!

Premium Partner Package (500 euros per workshop):

- Participation of up to 5 representatives of their choice, including the speaker
- Advertisement
- The Premium Partner is a market leader and may present their current technology on the respective topic in full as state-of-the-art at these workshops (30-60 min) through a speaker nominated by them.
- Includes the installation of a roll-up banner and/or the display of advertising material

Following this:

- Other providers (2-3) or users can then present their pros/cons for alternative technological applications in short presentations (15 min).
- All presentations and topics addressed will be discussed by the audience.

LIFIS, as scientific backup, would prepare a short summary and general evaluation of the presented technology with all pros and cons for all meetings, which would be published on the LIFIS website.

The results of these workshops and the corresponding summaries by LIFIS are considered recommendations for the virtual project “*Laboratory of the Future.*”

Advertising opportunities for other partners (maximum 4 partner per workshop):

Package 1: €200 per workshop

-includes the participation of one representative and/or the installation of a roll-up banner and the display of advertising material

Package 2: €100 per workshop

-includes only the setting up of a roll-up banner and/or the display of advertising material

Subscription for 10 workshops - Package 1: €1,500 (one time payment)

Subscription for 10 workshops - Package 2: €800 (one time payment)

Specific workshops can be selected for the subscription; otherwise, they apply to the 10 subsequent events. Availability is a prerequisite. The first-come, first-served principle applies.

Planned symposia – starting from October 2025:

Nr.	Topic	Group	Premium Partners/Date of event
1	Whole Genome Sequencing (WGS)	Genomics	Opening, MGI, October 23th 2025
2	SNP Sequencing	Genomics	Looking for premium partners ^{*1}
3	CNV	Genomics	Looking for premium partners ^{*1}
4	Epigenetics	Genomics	Looking for premium partners ^{*1}
5	Epigenetic Clocks	Genomics	Looking for premium partners ^{*1}
6	Paleogenomics	Genomics	Looking for premium partners ^{*1}
7	Pathogen Detection	Genomics	Looking for premium partners ^{*1}
8	Digital PCR	Genomics	Looking for premium partners ^{*1}
9	Genome Editing	Genomics	Looking for premium partners ^{*1}
10	RNASeq	Transcriptomics	Looking for premium partners ^{*1}
11	microRNASeq	Transcriptomics	Looking for premium partners ^{*1}
12	noncoding RNAs	Transcriptomics	Looking for premium partners ^{*1}
13	Circadian Rhythm	Transcriptomics	Looking for premium partners ^{*1}
14	Single Cell Transcriptomics	Transcriptomics	Looking for premium partners ^{*1}
15	Peptidomics	Proteomics	Looking for premium partners ^{*1}
16	Multiplex-ELISA	Proteomics	Looking for premium partners ^{*1}
17	Mass Spectroscopy	Proteomics	Looking for premium partners ^{*1}
18	Proteomic Profiling	Proteomics	Looking for premium partners ^{*1}
19	Single Cell Proteomics	Proteomics	Looking for premium partners ^{*1}
20	Protein Arrays	Proteomics	Looking for premium partners ^{*1}
21	Analytes, Hormones,	Clinical Chemistry	Looking for premium partners ^{*1}
22	Metabolomic Profiling	Metabolomics	Looking for premium partners ^{*1}
23	Lipidomics	Metabolomics	Looking for premium partners ^{*1}
24	Microbiom	Microbiomics	Looking for premium partners ^{*1}
25	Digital Pathology	Cytomics	Looking for premium partners ^{*1}
26	Spatial Transcriptomics	Cytomics	Looking for premium partners ^{*1}
27	Spatial Proteomics	Cytomics	Akoya, December 10th or 11th 2025
28	Spatiotemporal Transcriptomics	Cytomics	Looking for premium partners ^{*1}
29	Data Transfer and Storage	Bioinformatics	Looking for premium partners ^{*1}
30	Data Processing	Bioinformatics	Looking for premium partners ^{*1}
31	AI based medical decisions	Bioinformatics	Looking for premium partners ^{*1}
32	CAR-T cells	Cell Therapies	Looking for premium partners ^{*1}
33	Stem Cells	Cell Therapies	Looking for premium partners ^{*1}
34	Immunotherapies	Cell Therapies	Looking for premium partners ^{*1}
35	Longevity Diagnostics	Multomics	Looking for premium partners ^{*1}
36	Consumer Health /Well Being	Multomics	Looking for premium partners ^{*1}
37	Cancer Diagnostics	Multomics	Looking for premium partners ^{*1}
38	Rare Diseases	Multomics	Looking for premium partners ^{*1}
39	Chronic diseases, Long-Covid, CFS/ME	Multomics	Looking for premium partners ^{*1}
40	Pathogen Detection	Multomics	Looking for premium partners ^{*1}
41	Medical Biobanks	Biobanking	Looking for premium partners ^{*1}
42	Clinical Biospecimen	Biobanking	Looking for premium partners ^{*1}

***1 – please contact us for Premium Partnership: info@dna24.net**