ELRIG.de Forum 2026

Date:
05-Mar-2026
08.30 am - 06.30 pm

Venue:
Darmstadt

Costs:
free of charge

Address:
Wissenschafts- und Kongresszentrum "darmstadtium"
Schlossgraben 1,
64283 Darmstadt
Germany

Directions:
How to find us

Type:
Forum

Organiser:
Europäische Laborroboter Interessen Gemeinschaft Deutschland e.V.

Language:
English

Links:
To the event
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Small Molecules and Biologics - From Lab to Data

New devices and technologies are enabling modern laboratories to develop more complex assays and protocols to research a wide array of novel problems. Advances in areas such as 3D cell and organoid cultures, antibody-drug-conjugates (ADC), CRISPR, protein degraders (PROTACS, Molecular Glues), next-generation sequencing, high-resolution microscopy, robotics, as well as many other technologies are significantly expanding the frontiers of research.

Furthermore, these innovations also lead to a significant increase in the amount of data generated, which must be analyzed, managed, imported and stored. This growth in complexity demands new digital tools to enable efficient use of this data. To fully exploit the value contained within, rapidly evolving technologies such as machine learning (ML) and artificial intelligence (AI) are available for data analysis. Unfortunately, many laboratories are not well prepared to implement such new

technologies. Today, data is frequently handled manually, not managed properly, and often stored completely unstructured. As a result, much of the information from a given physical experiment is not captured at all or can't be further analyzed, leading to the loss of valuable insights from expensive experiments.

The ELRIG.de meeting in March 2026 in Darmstadt will show how this increased complexity influences the daily work in labs and what one can do to keep pace with ongoing developments.

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