



GENESIS 26 -

The LIFE SCIENCE TECH DAY

 **FRAUENBAD Heidelberg**
 **March 12, 2026**



Engineering Next-Generation Platforms for Disease Modeling and Drug Screening

AGENDA: Morning

Time		Speaker
09:00 – 09:30	Arrival & Registration	
09:30 – 09:45	Welcome & Opening: Dr. Michael Kröger (Managing Director InnovationLab GmbH) Marc Massoth (Head of the Office for Economic Development and Science, City of Heidelberg)	
09:45 – 10:15	Keynote: <i>“From Bench to Bedside: Patient-Derived Organoids as Predictive Preclinical Systems”</i> (Merck, HUB Organoids)	Dr. Sylvia Boj
10:15 – 11:15	Session 1 — Biofabric. & Integrated Microphysiological Systems Chair: Professor Dr. Haikun Liu (DKFZ, AIPTO TechBio GmbH)	
	<i>“Toward Precision Glioblastoma Therapy: Predictive Organoids and AI Agents”</i> (DKFZ AIPTO TechBio GmbH)	Prof. Haikun Liu
	<i>“Bio Inks as the Key to Biofabrication of Cells and Tissues”</i> (BIOINX)	Dr. Jasper Van Hoorick
	<i>“Organ-on-a-Chip Devices: From Academic Prototypes to Industrial Products”</i> (microfluidic ChipShop GmbH)	Dr. Holger Becker
	<i>“Scaling Smart: A Cost-Effective Path to Standardized Well-Plate based Organ-on-Chip Systems”</i> (TNO at Holst Centre)	Albert van Breemen
11:15 – 11:45	Coffee Break & Exhibition	
11:45 – 12:15	Lightning Talk: <i>“Engineering Organoids: From Mapping Connectivity to Integrated Multi-Organ Systems”</i> Dr. Ramsey Najm (Heidelberg University - Precision Organoid Engineering for Multi-Organ Interaction Studies - POEM)	
12:15 – 13:15	Session 2 — Bioelectronics & Sensing for Live Tissues Chair: Dr. Simon Binder (University of Freiburg)	
	<i>“Shrinking Fluidics, Expanding Possibilities: Integrated Systems for Cell Culture and Diagnostics”</i> (memetis)	Dr. Hinnerk Ossmer Dr. Anna Vidina
	<i>“Beyond 3D Cell Culture: Integrating Oxygen Sensing into Drug Screening”</i> (CAVIGEN)	Dr. Christoph Grün
	<i>“Scalable Platform with Physiological Flow”</i> (ARTIC Technologies)	Dr. Hossein Eslami Amirabadi

GENESIS 26 –

The LIFE SCIENCE TECH DAY

 **FRAUENBAD Heidelberg**
 **March 12, 2026**

Engineering Next-Generation Platforms for Disease Modeling and Drug Screening

AGENDA: Afternoon

Time		Speaker
13:15 – 14:15	Lunch & Technology Showcases	
14:15 – 15:00	Lightning Talks: <i>“Engineering Immune Niches of the Skin and Draining Lymph Node in Health & Disease”</i> Dr. Hafsa Munir (DKFZ) <i>“Building Immunity from the Bottom-Up – Engineering Synthetic Immune Microenvironments in Tumors”</i> Dr. Oskar Stauer (INM - Leibniz-Institut für Neue Materialien)	
15:00 – 16:00	Session 3 – Imaging, Automation & AI	Chair: Dr. Ramsey Najm
	<i>“CellXpress.ai: An AI-driven cell culture innovation hub to automate 2D and 3D cell culture”</i> (MOLECULAR DEVICES)	Dr. Emma Robertson
	<i>“Decoding Complexity: 3D Image Analysis of Cellular Dynamics”</i> (ZEISS)	Dr. Oliver Tress
16:00 – 16:15	Coffee Break & Exhibition	
16:15 – 16:45	Breakout – Roadmap to an Integrated Screening Platform	
	Discussion tables	Session speakers are available for discussions at each table
16:45 – 17:00	Wrap-Up & Next Steps	
17:00	Cocktails & Celebrating GENESIS 26	