

# Science Day @ INVITE 2025

## Agenda – July 9, 2025 (Part 1)

FINAL



10:00	10:00 -10:45 15 Years INVITE			
11:00	<b>Drug Delivery / DDiC</b> <b>The Influence of Tableting Speed on the Prediction of Compressibility</b> (Ididora Vuckovic, INVITE / HHU) <b>Challenges and opportunities in biobased drug delivery systems</b> (Tonny Voermans, BioMed Elem) <b>"Dissolved" Drug Species from Various Formulations of a Poorly Soluble Drug: Sampling Methods, Mechanistic Insight, and IVVC</b> (Jakob Lynnerup, INVITE /SDU) <b>Preparation of Indomethacin Nanoparticles by Wet Milling</b> (Stephanie Scheele, INVITE / HHU)	<b>Smart Automation</b> <b>Modular Automation – It's 2025, Not 1995</b> (Torben Miny, Michael Winter, RWTH Aachen) <b>Towards Standardized MTP in Pharma</b> (Lena Eisenbach, Bayer / INVITE) <b>Blueprint APL Brownfield</b> (Roland Marschke, Bayer / INVITE) <b>Rethinking HART Data Access: NOA-Compliant Integration for Valve Analysis</b> (Jan Wiggeshoff, INVITE, Sebastian Böse, Beckhoff)	<b>Sustainability &amp; Innovation</b> <b>Barrier Without Benefit? A Stability-Driven Perspective on Sustainable Blister Packaging</b> (Jan Pech, INVITE / TU Do) <b>PECVD as a Key Technology for Sustainable Barrier Coatings – Recyclable Alternative for Industrial Applications</b> (Ali Cetin, RWTH Aachen) <b>Together We Rise: When Startups and Corporates Converge</b> (Karl Collins, Bayer / Alireza Ahmadi, Founder and CEO of DynamoBot GmbH, Uni-Bonn Spin-off)	<b>Poster Session</b>  1 <sup>st</sup> floor DDIC Research Building
12:00	<b>LUNCH</b>			
13:00				

# Science Day @ INVITE 2025

## Agenda – July 9, 2025 (Part 2)

FINAL



13:00 — **LUNCH**

**Drug Delivery / DDiC**  
Drug Delivery Innovation Center

**Smart Automation**

**Sustainability & Innovation**

**The hidden crux of determining and using logP values**  
(Prof. Dr. Gabriele Sadowski, TU Do)

**Biorelevant dissolution testing of oral dosage forms**  
(Prof. Dr. Martin Brandl, SDU Dk)

**Robotics in Cell Therapy** (Subash Ramamoorthy, PAT Automation Expert, Bayer AG)

**Technology meets responsibility: 24/7 lab routines in the healthcare sector with mobile robotics** (Jürgen Kutschinski, CTO, United Robotics Group Health & Food GmbH)

**Multipurpose robotics in laboratories** (Marius Kling, Jonne Jeyalingam, Robotics Engineers, INVITE)

**Anomaly detection and efficient labeling with COMETH** (Dr. Gesa Benndorf, Fraunhofer IOSB-INA )

**Ensuring Quality: In-Line Monitoring of Blister Package Heat-Sealing** (Anna Márton, INVITE)

**Promoting digitalization, automation and sustainability: Use Cases for the Open-Source-Software Platform StreamFind** (Dr. Thorsten Teutenberg, Dr. Ricardo Cunha, IUTA)

**Poster Session**

1<sup>st</sup> floor  
DDIC  
Research Building

15:00 — **BREAK**

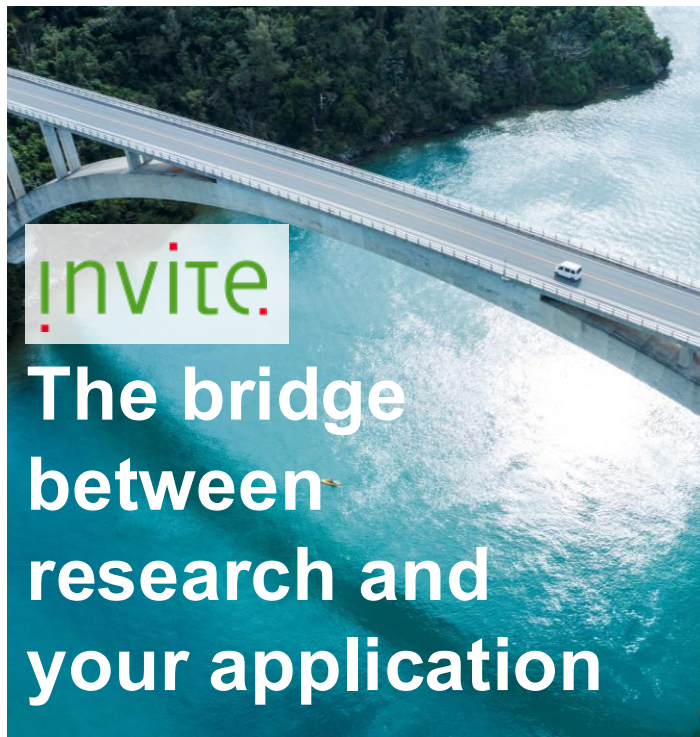
DDIC Research Labs: Introduction & Lab Tour – Tim Lillothe, INVITE

Robotic & Lab Automation – Demo

Digital Showcase Center - Demo

16:00 — **Key Note: AI-Enabled Design of Living Organisms: Opportunities & Threads - AI is upturning the world of synthetic biology and overwhelming traditional governance instruments**  
Dr. Margret Engelhard, Head of Division Bundesamt für Naturschutz GMO Regulation, Bonn, Germany

# About INVITE



INVITE is a **Public-private partnership** of Bayer, TU Dortmund University, and HHU Düsseldorf founded in 2010.

Experts bridge the remaining gap between academic insights and industrial applications. INVITE is the

- // **research center** for innovative production technologies with a focus on smart automation, formulation technology and sustainability research.
- // leads the **Drug Delivery Innovation Center**,  Drug Delivery innovation Center, an **open consortium** between partners from the pharmaceutical industry, machine and service providers, and academia.

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# invite. DDiC

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