

Life and Health Sciences @Mittelhessen

📅 27.05.2025 / 09 am - 06 pm

📍 CSL Innovation Marburg
Emil-von-Behring-Str. 76, 35041 Marburg

Join us for a full-day event to connect, collaborate and innovate

We are pleased to invite you to our forum “Life and Health Sciences @Mittelhessen“. This event offers a unique opportunity to learn about the latest technological developments and innovative approaches from both academic and industrial research and development.

Our forum is the ideal place to exchange on cutting-edge practices and future trends in the fields of health and life sciences. We warmly welcome early-stage talents as well as well-established professionals.

The event will cover **promising new molecules and platforms** (NCEs, NBEs), **new therapeutic areas, concepts, targets, and rare diseases**. It will also highlight advancements in **Lifescience Engineering, Product Development, and Applied Sciences**. Additionally, **digital innovation, transformation, and automation** will be showcased.

Join us and connect with leading minds in the industry!

Program

- **Keynote lectures** - Inspiring main presentations
- **Flash talks** - Short, dynamic presentations
- **Roundtable Sessions** - Interactive discussions and networking opportunities
- **SurfaceHub Lab presentations** - Learn more about Research & Development @CSL Innovation
- **Poster Sessions** - Showcase your projects, ideas, results and hard work

Please note that the official language of the event will be English.



Sign up for the event now!
[Click here](#) or scan the QR-Code



FORSCHUNGSCAMPUS MITTELHESSEN



SCHÜLER:INNEN
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MITTELHESSEN



MAX PLANCK INSTITUTE
FOR TERRESTRIAL MICROBIOLOGY



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Preliminary agenda

- 08:15 – 09:00 Registration and Poster Set-Up
- 09:00 – 09:20 Welcome Dr. Martin Vey (Managing Director CSL Innovation GmbH)
- 09:20 – 09:25 Safety Moment

- 09:30 – 09:35 Session Intro: New Therapeutic Areas and Rare Diseases
- 09:35 – 10:00 Keynote – Prof. Dr. Ritva Tikkanen (Justus Liebig University Giessen)
- 10:00 – 10:05 Diffusible signals shaping pathogen-host crosstalk and common battlefields in infectious diseases
- 10:05 – 10:10 Application of Novel CRISPR-based epigenetic editing for epigenetic diseases
- 10:10 – 10:15 tba. Flash Talk

- 10:20 – 10:25 Session Intro: Promising new molecules and platforms (NCEs, NBEs)
- 10:25 – 10:50 Keynote – Prof. Dr. Julia E. Weigand (Philipps-Universität Marburg)
- 10:50 – 10:55 Enhanced oral delivery of paclitaxel via folate-engineered zein nanoparticles
- 10:55 – 11:00 NRPieceS – fighting antimicrobial resistance
- 11:00 – 11:05 RNAylated proteins as a platform to develop next-generation RNA therapeutics

- 11:10 – 12:30 Networking, Lunch Break and Poster Sessions

- 12:30 – 12:35 Session Intro: Translational Research and Product Development
- 12:35 – 13:00 Keynote – Dr. Markus Brechmann and Dr. Ingo Pragst (CSL Innovation)
- 13:00 – 13:05 Process Development for Advanced Therapy Medical Products (ATMPs)
- 13:05 – 13:10 Accelerated evolution of whole gene clusters by a controllable, hypermutagenic phage system in E. coli
- 13:10 – 13:15 Decoding and Taming Nitrogenases for CO₂ Conversion

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- 13:20 – 13:25 Session Intro: Lifescience Engineering and Applied Sciences
- 13:25 – 13:50 Keynote – Prof. Dr. Helge B. Bode (MPI for Terrestrial Microbiology)
- 13:50 – 13:55 DynaPore: Conformation Effect Transistor for Pathogen Detection
- 13:55 – 14:00 Shedding Light on Bacterial Genome Maintenance: A Super-Resolution Perspective
- 14:00 – 14:05 Finite element simulation of callus biomechanical properties and statistical modelling
- 14:10 – 15:30 Networking, Coffee Sweets Break & Poster Sessions
- 15:30 – 15:35 Session Intro: Digital Transformation, Automation and Advanced Analytics (AI/ML)
- 15:35 – 16:00 Keynote – Prof. Dr. Michael Guckert (THM University of Applied Sciences)
- 16:00 – 16:05 Computer-assisted scoring systems for the evaluation of morphological changes in neural cells
- 16:05 – 16:10 Robotic Lab Automation and Lab of the Future @CSL
- 16:10 – 16:15 tba. Flash Talk
- 16:20 – 17:00 Panel Discussion (Innovation and Promising Futures)
- 17:00 – 17:10 Closing Remarks Dr. Martin Vey (Managing Director CSL Innovation)
- 17:10 – 18:00 Get-Together Networking