

Agenda

9:00 am OPENING

9:05 am **Prof. Dr. Jens-Karl Eilers**
Leipzig University, Vice-Rector for Excellence Development:
Research and Transfer

9:10 am **Dr. Konstantin Pötschke**
Saxon State Ministry for Regional Development (SMR)

9:15 am **Dr. Lutz Bryja**
State Ministry of Science and Cultural Affairs of Saxony
(SMWK)

9:20 am **Prof. Dr. Frank Cichos**
Leipzig University, b-ACT^{matter}

9:30 am TECHNOLOGY TRANSFER IN THE NATURAL AND LIFE SCIENCES

9:30 am **Knowledge and technology transfer to
encourage a regional bioeconomy**

Dr. Felix Krujatz
biotopa GmbH

9:45 am **What happens after the company is
founded?**

André Hofmann
biosaxony e.V. (leap:up GmbH)

10:00 am BREAK AND POSTER SESSION

10:30 am NEW APPROACHES IN BIOACTIVE MATTER AND ARTIFICIAL INTELLIGENCE FOR SUSTAINABLE TECHNOLOGIES

10:30 am **Engineered viscoelasticity in stem cell
microenvironments**

Prof. Dr. Manuel Salmeron-Sanchez
University of Glasgow / Universitat de Barcelona

11:00 am **How can deep learning enhance microscopy?**

Prof. Dr. Giovanni Volpe
University of Gothenburg

11:30 am **Building Intelligence with AI and Simulation
for Sustainable Innovation in Chemical and
Life Sciences**

**Prahallad CR Rao, and
Dr. Jagannath Rao Marati**
Bosch Digital Twin Industries

12:00 pm LUNCH BREAK

1:00 pm RESOURCES – ENERGY, FOOD, WATER

1:00 pm **Developing hybrid living materials for the
continuous production of chemicals or microbial
proteins**

Dr. Rohan Karande
Leipzig University, b-ACT^{matter}

1:20 pm **Barriers to the transition to circular
bio-based economy: Findings from an
industry perspective**

Dr. Elina Dace
Baltic Studies Centre

1:40 pm **Poplar fiber based nonwovens**

Prof. Dr. Alper Gurarslan
Technical University of Istanbul

2:00 pm **A Technology Platform for the Production of
Meat Alternatives**

Washington Logroño
Pacifico Biolabs GmbH

2:10 pm **Climate Neutrality – Brief Introduction**

Janine Henkel
Saxon State Office for Environment, Agriculture and
Geology (LfULG)

2:25 pm CHEMICAL PRODUCTION AND CIRCULAR ECONOMY

2:25 pm **Electrochemical synthesis as gearwheel
in biorefineries**

Prof. Dr. Falk Harnisch
Helmholtz Centre for Environmental Research (UFZ)

2:45 pm **Rethinking Plastics for a Circular
Economy**

Dr. Manuel Häußler
Center for the Transformation of Chemistry (CTC)

3:05 pm **Sustainable conversion of CO₂ into valuable
products by algal biofilm reactors**

Benjamin Herzog
Solaga GmbH

3:15 pm **Enzymatic Plastic Recycling: Bridging the Path
Towards a Closed-Loop Economy**

Dr. Christian Sonnendecker
Leipzig University, b-ACT^{matter} / ESTER Biotech

3:30 pm BREAK AND POSTER SESSION

4:00 pm SENSORS FOR MEDICINE AND THE ENVIRONMENT

4:00 pm **Following target recognition of CRISPR-Cas9 on
the base-pair level to engineer its performance**

Prof. Dr. Ralf Seidel
Leipzig University, Institute of Experimental Physics I

4:15 pm **Biomolecular Interaction Analysis –
From Small Molecules to Cells**

Prof. Dr. Ulrich Rant
Kurt Schwabe Institute for Measurement and
Sensor Technology Meinsberg e.V.

4:35 pm **Start-up Project SCPsense –
Hydrogel Microparticle Biosensor for
Environmental Monitoring**

Veronika Riedl
Leipzig University, b-ACT^{matter}

4:45 pm CLOSING WORDS

Prof. Dr. Tilo Pompe
Leipzig University, b-ACT^{matter}

4:50 pm GET TOGETHER

6:00 pm FAREWELL