



Online Workshop

"SiCellNet"
Advanced Single-Cell Tools
September 21, 2021 (9:00 a.m. – 1:00 p.m.)

<https://s.fhg.de/SiCellNet-en>

SEPTEMBER 21, 2021

Fraunhofer has established a new Virtual Campus "SiCellNet"



"SiCellNet" supports SMEs with research capacities in the growing field of "single-cell-tools" during the challenging times of COVID-19 and beyond. Participation in "SiCellNet" is free-of-charge and Fraunhofer R&D efforts will be tailored to address the requirements of participating SMEs, who will receive early access to research results as an additional benefit.

We invite all SMEs to join us and to share their research needs!

Competencies of SiCellNet

- Cell Technologies
- Microfluidics
- Biosensing Technologies
- Cell Handling

Applications

- Toxicity Assays (REACH)
- Tissue Engineering
- 3D-Bioprinting (e.g. LIFT)
- Cells-on-Chips

We are looking forward to your participation!

We would kindly ask you to fill in a short questionnaire, even if you are not able to participate in the workshop. We would be happy to include your requirements in the discussion and to update you about the progress of SiCellNet!

Registration

Please check the current agenda and use the registration form and/or the questionnaire at: <https://s.fhg.de/SiCellNet-en>

Registration closes on September 17, 2021!

Agenda (9:00 a.m. – 1:00 p.m.)

• Introduction

Dr. Michael Baßler, Fraunhofer IMM

• One-minute self-introduction of the participating SMEs

Chairman: Dr. Michael Baßler, Fraunhofer IMM

• Single cell analysis for biomedical applications

tba

• Chip technologies for cell-based analytics

Dr. Zeno Guttenberg, ibidi GmbH

• Laboratory and system-technologies for cell and biomaterial analysis

tba

• Printing of single cells and spheroids

Dr. Elke Bremus-Köbberling, Fraunhofer ILT

• Diagnostic tools for single-cell-analytics

Prof. Karsten Seidl, Fraunhofer IMS

• Cell-based test systems – requirements from biology and biotechnology

Dr. Matthias Brandenburger, Fraunhofer EMB

• Microfluidic systems for cell analytics and diagnostics

Dr. Michael Baßler, Fraunhofer IMM

• Group discussion to establish industrial and technological needs and to draft a roadmap for future networking options beyond 2021

Chairman: Prof. Arnold Gillner, Fraunhofer ILT

Program subject to minor changes.

Organization

Fraunhofer Institutes involved

- Microengineering and Microsystems IMM, Mainz
- Microelectronic Circuits and Systems IMS, Duisburg
- Laser Technology ILT, Aachen

Fraunhofer R&D Center

- Marine and Cellular Biotechnology EMB, Lübeck

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