



23th October 2019

TEDD Sino- Swiss Workshop on Tissue Engineering

Campus Reidbach, Wädenswil
Switzerland

Program – Wednesday, 23th October 2019

09.00 **Registration and Welcome Coffee**

09.30 **Opening of the Meeting**
Dr Markus Rimann,
ZHAW Zurich University of Applied Sciences, Switzerland

Activities of Southeast University (SEU), China

09.45 **Development of an Advanced 3D Printing System and an Automated Detection System for Organs-on-a-Chip Research**
Prof Zhongze Gu, Dean of School of Biological Science and Medical Engineering (BSME), Nanjing,
Director of Institute of Biomedical Devices (IBMD), Suzhou

10.00 **Development of a “SMART” System for Organs-on-a-Chip Research**
Dr Zaozao Chen, Technical Director of Institute of Biomedical Devices (IBMD), Suzhou

10.15 **Electrical-Impedance-Spectroscopy-Integrated Microfluidic Systems for Biological Studies**
Dr Zhen Zhu, Key Laboratory of Ministry of Educational School of Electronic Science and Engineering (MEMS), Nanjing

10.30 **Multifunctional Heart-on-a-Chip: Construction and Application**
Prof Ningping Huang, Group Leader Heart-on-Chip of School of Biological Science and Medical Engineering (BSME), Nanjing

What Can We Learn about Translation from NCATS, USA

10.45 **The NIH Microphysiological Systems Program for Drug Development**
Prof Danilo Tagle,
National Center for Advancing Translational Sciences,
National Institutes of Health, USA

11.30 **Discussion**

12.00 **Networking Lunch**

Swiss Academics

- 13.30 **Responsive Hydrogels for Tissue Engineering Applications**
Prof Mark Tibbitt
ETH Zürich,
Department of Mechanical and Process Engineering
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- 13.55 **Organs-on-Chip Models of the Lung Parenchyma**
Prof Olivier Guenat
University of Bern, ARTORG
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- 14.20 **Microphysiological Systems Featuring Microsensor structures**
Prof Andreas Hierlemann
ETH Zürich, D-BSSE
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- 14.45 **Coffee Break**
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Swiss Entrepreneurs

- 15.00 **Complex 3D In-Vitro Models for Fast, Automation-Compatible and Translational Drug Discovery**
Dr Olivier Frey
InSphero
-
- 15.10 **3D Cell Culture and the Need for Standardization and Automation**
Dr Jens Kelm
PreComb
-
- 15.20 **3D Goes Clinical - Modified Islet Transplantation as Blueprint for Future 3D Cell Transplantation**
Dr Patrick Kugelmeier
Kugelmeiers AG
-
- 15.30 **A breathing human Lung-on-Chip for drug transport and safety studies**
Dr Janick Stucki
AlveoliX
-
- 15.40 **Automation of Cellular and Tissue Therapy Manufacturing**
Dr Vincent Ronfard
Cutiss
-

Swiss Science and Innovation Support

- 15.50 **Connecting the Dots Between China and Switzerland: Collaboration Opportunities by swissnex China**
Malin Borg, Head of Unit, swissnex Network at Secretariat for Education, Research and Innovation SERI
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- 16.10 **Swiss National Science Foundation: Opportunities for collaborating with China**
Timothy Ryan Swiss National Science Foundation (SNSF),
Interdisciplinary and International Co-operation
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- 16.30 **Discussion**
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- 17.00 **End of the Workshop**
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Further Details

Cost

- Participation in the workshop is free.
- The registration is obligatory and binding.
- Free cancellation is possible until 14. October 2019.
- In case of no-show the fee of CHF 60 will be charged to cover the cost of catering.

Registration: www.zhaw.ch/icbt/tedd

Opens: 5th August 2019

Deadline: 7th October 2019

Contact

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Venue

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