Zurich University
of Applied Sciences

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Life Sciences and Facility Management

Institute of
Chemistry and Biotechnology

23th October 2019

TEDD Sino-Swiss Workshop on Tissue Engineering

Campus Grüental, Wädenswil
Switzerland

Zurich Universities of Applied Sciences and Arts

Program – Wednesday, 23th October 2019

09.00	**Registration and Welcome Coffee**
09.30	**Opening of the Meeting** Prof Michael Raghunath and Dr Markus Rimann, ZHAW Zurich University of Applied Sciences, Switzerland Prof Marcus Textor, ETH Swiss Federal Institutes of Technology, 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
13.55	**Organs-on-Chip Models of the Lung Parenchyma** Prof Olivier Guenat University of Bern, ARTORG
14.20	**Microphysiological Systems Featuring Microsensor structures** Prof Andreas Hierlemann ETH Zürich, D-BSSE
14.45	**Coffee Break**

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
16.30	**Discussion**
17.00	**End of the Workshop**

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

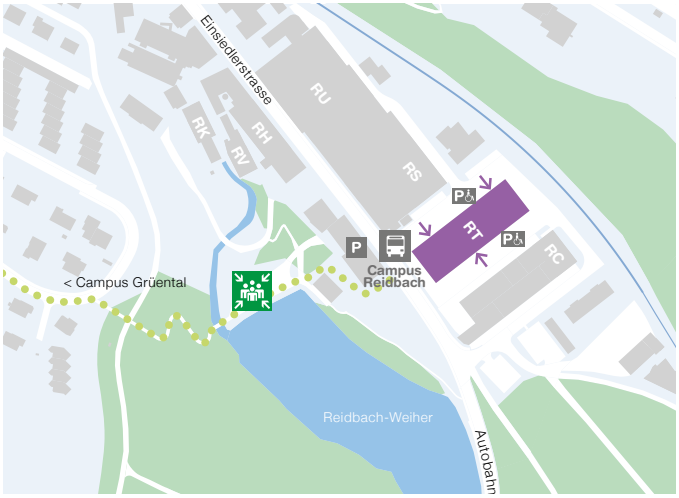
Opens: 5th August 2019
Deadline: 7th October 2019

Contact

Dr Katarzyna Kopanska, E-Mail: katarzyna.kopanska@zhaw.ch
ZHAW School of Life Sciences and Facility Management
Einsiedlerstrasse 31, CH-8820 Wädenswil, Switzerland

Venue

ZHAW School of Life Sciences
and Facility Management
Campus Reidbach RT 041
Einsiedlerstrasse 31, P.O. Box
8820 Wädenswil
+ 41 58 934 54 29



www.zhaw.ch/icbt/tedd

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