

## General Information

### Lead

Prof. Dr. Michael Raghunath, Institute of Chemistry and Biotechnology, ZHAW Zurich University of Applied Sciences, Wädenswil

### Steering Committee

Prof. Dr. Michael Raghunath, ZHAW  
Dr. Jens Kelm, InSphero AG  
Dr. Katharina Maniura, Empa  
Dr. Oliver Peter, Actelion Pharmaceuticals Ltd.  
Dr. Christoph Rindlisbacher, CELLnTEC Advanced Cell Systems AG

### International Advisory Board

Dr. Markus Ehrat, EK Biosciences GmbH  
Prof. Dr. Ursula Graf-Hausner, graf 3dcellculture  
Dr. Uwe Marx, Technical University of Berlin  
Dr. Thomas Singer, F. Hoffmann-La Roche AG  
Prof. Dr. Marcus Textor, ETH Zurich

TEDD as a technology platform belongs to the biotechnet Switzerland and NTN Swiss Biotech.



### Contact

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[www.zhaw.ch/icbt/tedd](http://www.zhaw.ch/icbt/tedd)

Zurich University  
of Applied Sciences



Life Sciences and  
Facility Management

Institute of  
Chemistry and Biotechnology



## Competence Centre TEDD

Tissue Engineering for Drug  
Development and Substance Testing

Institute of Chemistry and Biotechnology,  
Campus Reidbach, Switzerland  
[www.zhaw.ch/icbt/tedd](http://www.zhaw.ch/icbt/tedd)

## TEDD and its vision

### The first centre of its kind

The continually rising numbers of compound failures leading to early withdrawals, and the increasing cost of drug development are fuelling the demand for biologically more complex cell models. Here, physiological relevance is key for improving the predictive power of cell-based assays. 3D cell culture technology, organ-like tissue models and associated analytical tools are essential for basic and pharmaceutical research as well as for the evaluation of chemicals and cosmetics. The TEDD Competence Centre is a collaborative innovation platform, dedicated to 3D cell culture technology and organ-like tissue models for drug development, substance testing, personalized and regenerative medicine. Thus, TEDD also promotes the 3R of animal welfare with a particular emphasis on the third R, replace.

As an information and matchmaking hub, TEDD transfers knowledge and technologies in order to promote the development and application of 3D cell culture. The TEDD community is currently composed of partners from academia, clinical medicine and industry. The industrial partners represent the majority of TEDD partners, and comprise a spectrum from young spin-off company to world player. Thus, TEDD represents the entire value chain of biotech R&D relevant for 3D tissue engineering, be it ultraflat 3D monolayer culture, bioprinted tissue constructs, or organoids.

(Video)



Visit us on [www.zhaw.ch/icbt/tedd](http://www.zhaw.ch/icbt/tedd) and learn more about TEDD.

## TEDD events and activities

### How TEDD realize its vision?



The competence center is an important platform from which 3D cell culture technology can be actively influenced. Regular events and activities at national and international level ensure exchange and progress.

In order to promote knowledge and technology transfer, TEDD organizes various types of events and activities for its network partners, including:

- national and international scientific symposia
- thematic workshops
- annual meetings
- nation-wide surveys (in collaboration with European partners)
- scientific publications
- company visits

## TEDD partnership

Professionals from various fields are welcome to join the TEDD network, including:

- experts from basic, clinical and applied research
- technology companies
- representatives of the pharmaceutical and cosmetic industries
- medical product manufacturers
- funding associations
- clusters

### TEDD partnership fee

CHF 500.-per year

Application form: [www.zhaw.ch/icbt/tedd](http://www.zhaw.ch/icbt/tedd)