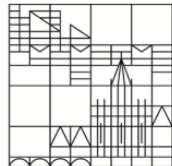




Universität  
Konstanz



## Joint Information Day on „Biology inspired microphysiological systems – status and future“

June 11th 2015  
09:00 – 16:30

SANA Hotel (<http://bit.ly/16n7tQN>), Berlin, Germany

Animals are traditionally used for hazard identification, safety testing or disease modelling in pharmaceutical, (agro)chemical, food and environmental industry laboratories. Though *in vivo* tests give an insight into systemic effects of chemicals, the physiological differences between animals and man can undermine extrapolation of animal data to the human system. Human-relevant organoid *in vitro* systems that mimic human physiology are a novel solution to this problem and provide a new basis for *in vitro-in vivo* extrapolation (IVIVE).

Static human 3D cell culture models mimic human biology at a more physiological level than traditionally used 2D cell cultures. They add value to predictive toxicology but still do not fully emulate systemic human biology *in vitro*. Recent advanced microfabrication techniques enable the development of microfluidic ‘organ-on-a-chip’ or even ‘human-on-a-chip’ devices. These promise to emulate relevant aspects of single organ function and interaction among organs on a microphysiological scale, enabling a new level of physiologically relevant assays. This Information Day brings together renowned experts in the field to inform about the status quo, promises and current shortcomings of microphysiological systems.

## **Joint Information Day**

### **„Biology inspired microphysiological systems – status and future“**

**Date:** June 11<sup>th</sup> 2015

**Time:** 09:00 – 16:30 (9 am – 4:30 pm)

**Venue:** SANA Hotel (<http://bit.ly/16n7tQN>), Berlin, Germany

**Speaker:**

Detailed agenda will be published soon.

Confirmed speakers are affiliated to:

- *TissUse, Berlin (D)*
- *Hoffmann La-Roche, Basel (CH)*
- *Philips Research, Eindhoven (NL)*
- *The Wyss Institute at Harvard, Boston (USA)*
- *ProBioGen AG*
- *Beiersdorf AG*
- *ETH Zürich (CH)*
- *Johns Hopkins University, Baltimore (USA)*

**Registration** (including lunch):

***Until May 28<sup>th</sup>:***

- € 350
- € 60 (reduced price for academia)
- Free for CAAT Sponsors and associates as well as for federal agencies, students and NGO's

***After May 28<sup>th</sup>:***

- € 500
- € 300 (reduced price for academia)
- € 100 federal agencies, students and NGO's

To register, please contact [caat-eu@uni-konstanz.de](mailto:caat-eu@uni-konstanz.de)