



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

June 10th 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 10th 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 28th:

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

After May 28th:

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

To register, please contact caat-eu@uni-konstanz.de