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## Joint Information Day on „Good Cell Culture Practice: human (stem) cells and organoids“

December 3<sup>rd</sup> 2015

09:00 – 16:00

Konzil Konstanz (Council of Konstanz Building), Konstanz, Germany

Advances in cell culture techniques and the establishment of *in vitro* test systems in research need to be accompanied by approaches to standardize processes and documentation. The "Bologna Statement on Good Cell Culture Practice" in 1999 prompted the ECVAM Task Force on Good Cell Culture Practice (GCCP) to produce two seminal guidance documents (1-2). Additional refinements were introduced in 2011 (3).

With the growing availability of cultured organoids, and the increasing generation and use of pluripotent stem cells and their differentiation progeny, there is a need for revision and update of the GCCP guidelines with these new technologies. This includes quality assurance of supplied biological materials as well as consideration of ethical and legal aspects. This symposium has the focus on GCCP regarding human cells and tissues and the quality assurance of cells obtained by reprogramming.

1. Hartung T, et al. (2002). ECVAM Good Cell Culture Practice Task Force Report 1. *Altern Lab Anim.* 30(4):407-14
2. Coecke S, et al (2005). Guidance on good cell culture practice.. *Altern Lab Anim.* 2005 ;33(3):261-87.
3. Anna Bal-Price, Sandra Coeke (2011). Guidance on Good Cell Culture Practice (GCCP) in Cell Culture Techniques. Michael Aschner (ed.), Cristina Sunol (ed.) and Anna Bal-Price (ed.). Humana Press. PP 1-25

Registration (including lunch): *Until November 15<sup>th</sup>*: € 350 \ € 60 (reduced price for academia) \ Free for federal agencies, students and NGO's; *After November 15<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)

## Agenda

Joint Information Day on „Good Cell Culture Practice: human stem cells and organoids“

**09:00 - 09:15 *Welcome Address***

**09:15 - 09:45 Dr. Anna Bal-Price, EURL ECVAM, JRC, Italy**  
“Principles of Good Cell Culture Practice”

**09:45 - 10:30 Prof. Thomas Hartung, Johns Hopkins University, CAAT. USA**  
**University of Konstanz, CAAT-Europe, Germany**  
“Good Practices in modern cell culturing and organ engineering”

*10:30 - 11:00 coffee break*

**11:00 - 11:30 Prof. Glyn Stacey, University of Bedfordshire, UK Stem Cell Bank, UK**  
“Good cell Culture Practice for the routine preparation and use of stem cell-based models incorporating examples from the SEURAT-1 Stem Cell Group”

**11:30 - 12:00 Prof. Ulrich Martin, Leibniz Research Laboratories for Biotechnology and Artificial Organs, Hannover, Germany**  
“Human pluripotent stem cells for drug screening, safety pharmacology and toxicology”

*12:00 - 13:00 lunch and coffee*

**13:00 - 13:30 Prof. Jens Schwamborn, University of Luxembourg, Luxembourg**  
“Utilization of disease specific stem cells to model neurodegenerative diseases”

**13:30 - 14:00 Prof. Robert Passier, Leiden University Medical Center, The Netherlands**  
“Human pluripotent stem cells for cardiac disease modeling and safety pharmacology”

**14:00 - 14:30 Prof. Regina Grillari, Vienna Institute of Biotechnology, Austria**  
„Urine derived stem cells - challenges and promises“

*14:30 - 15:00 coffee break*

**15:00 - 15:30 Prof. Andras Dinnyes, Biotalentum Ltd, Hungary**  
“Challenges in 2D and 3D neuronal differentiation of hiPSC lines”

**15:30 - 16:00 Prof. Marcel Leist, University of Konstanz, CAAT-Europe, Germany**  
“Immortalized cell lines and their differentiation”

**16:00 *Closing Remarks***  
**Prof. Thomas Hartung**

Presentations will be followed by a discussion to address questions from the audience