

Use of human embryonic stem cells for novel toxicity testing approaches



conference together with the **EUSAAT** congress

European Society for
Alternatives to Animal Testing

Time	Title	Speaker
9:00-9:10	Opening address	Horst Spielmann, President of EUSAAT, Freie Universitaet, DE-Berlin
9:10-9:20	Overview of the ESNATS project	Jürgen Hescheler, Coordinator of ESNATS, University of Cologne, DE
9:20-10:00	The ESNATS hESC-based toxicity test battery	Marcel Leist, University of Konstanz, DE
10:00-10:40	The ESNATS hESC-based toxicity biomarker identification study	Jan Hengstler, IFADO, DE-Dortmund
10:40-11:00	Hepatocyte <i>in vitro</i> systems to study metabolism: stem cell derived hepatocytes as an alternative to primary hepatocytes	Jan Hengstler, IFADO, DE-Dortmund
11:00-11:15	<i>Coffee break</i>	
11:15-11:30	hSKP-derived hepatocytes for toxicity testing	Joery de Kock, Vrije Universiteit Brussels, BE
11:30-11:50	<i>In vitro-in vivo</i> extrapolation of prenatal (neuro)toxicity assay data by PBPK modeling	Sieto Bosgra, TNO, NL-Utrecht
11:50-12:10	Identification of thalidomide-specific transcriptomics and proteomics signatures during differentiation of human embryonic stem cells	Agapios Sachinidis, University of Cologne, DE
12:10-12:30	Pluripotent stem cell-derived engineered neural tissues: what's new?	Karl-Heinz Krause, University of Geneva, CH
12:30-13:45	<i>Lunch and posters</i>	
13:45-14:30	<u>First panel discussion</u> : How can the ESNATS data be used to define mechanisms of action and/or AOPs	Chair: Thomas Hartung, CAAT US-Baltimore
14:30-15:00	Enhancing the readout of the embryonic stem cell test with molecular approaches	Aldert Piersma, RIVM, NL-Bilthoven
15:00-15:30	Signaling pathways in human neural assays	Ellen Fritsche, Leibniz Research Institute for Environmental Medicine, DE-Düsseldorf
15:30-16:00	Transforming the Conduct of Toxicology in the US : the Tox21 Program.	Robert Kavlock, US Environmental Protection Agency, US-Washington
16:00-16:30	<i>Coffee break and posters</i>	



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For more information: www.esnats.eu

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16:30-17:00	Predictive models and computational embryology	Thomas Knudsen, US Environmental Protection Agency, US-Research Triangle Park
17:00-17:30	EPAA calls for a “Stem Cells in Safety Testing” forum to keep fluent communication	Beatriz Silva-Lima, EPAA stem cell group, BE-Brussels
17:30-18:00	Data infrastructure for chemical safety	Jos Kleinjans, University of Maastricht, NL
18:00-18:45	<u>Second panel discussion</u> : How can the ESNATS assays be applicable in companies/regulatory toxicology and what are necessary future developments	Chair: Michael Schwarz, University of Tübingen, DE
18:45-20:00	Continued discussion and poster session	
20:00	<i>Dinner and social evening</i>	



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