Swedish Toxicology Sciences
Research Center

Swetox 3R team workshop on

Replace Animal Use and Increase Scientific Impact

11th of October 2016, 10.00-16.30

Karolinska Institute Solna, "Rockefeller", Nobels väg 11

Registration no later than 3rd of October:
https://goo.gl/forms/ru1qmyAl2DDNW1dg2

The 3R team at Swetox (Swedish Toxicology Science Research Center) invites researchers on all levels in toxicology research and other life science fields to a workshop on how cell- and computer-based models can be used to answer scientific questions relevant to human and wildlife health.

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Program

10:00-11:00 **Gunnar Cedersund**, assistant professor in systems biology at Linköping University, and receiver of the 3R award "Nytänkaren" from Swedish Fund for Research Without Animal Experiments 2015:
When laying the puzzle, instead of just generating new pieces, animal experiments become increasingly irrelevant

11:00-14:00 Inspirational talks about replacement methods by researchers of each Swetox University

Joachim Sturve (Göteborgs University): TBA

Magnus Ekwall (Örebro Universitet):
Mechanism-specific in vitro bioassays in risk assessment of complex mixtures of polycyclic aromatic compounds (PACs) from contaminated sites

Eewa Nånberg (Karlstad University):
Ex vivo challenge of blood and nasal brushings - experimental models to study inflammatory reactivity

Ylva Sjunnesson (SLU):
In vitro embryo production – a valuable model

————12-12:45 Lunch ————

Lena Palmberg (Karolinska Institute):
Exposing human 3D-models of airway mucosa in health and disease to particulate- and gaseous air pollutants

Vamakshi Kathi (KTH):
3D bioprinting for developing a biomimetic liver model

Tim Lindberg (Lund University):
Prediction of sensitizing chemicals using the alternative human cell-based assay GARD

Anna Forsby (Stockholm University):
Optimization of serum-reduced cell culturing

Maria Karlgren (Uppsala University):
Pharmaceutical Profiling – prediction of human drug transport and disposition

Patrik Andersson (Umeå University):
In silico approaches to identify potential thyroid hormone disrupting chemicals

14:00-16:15 Group and in plenum discussions: value of alternative methods used in toxicology for other fields and vice versa

16:15-16:30 Conclusions and closing