

**NanoSafety
Cluster**



WG2 Hazard Identification

Chairs:

Flemming Cassee

Teresa Fernandes



>> 140 members

Ongoing and upcoming



- ▶ Collect information & data via our WIKI
 - Discontinued
- ▶ Collect & share protocols via the NSC website
 - Not easy to get people motivated, protocols might be available at project websites but are not transferred to the NSC website (which is also not searchable in that respect)
- ▶ Contribute to EU NanoSafety Cluster – Self evaluation
 - awaiting publication
- ▶ Contribute to Nanosafety forum for young scientists 2016 in Stockholm
 - Scientific programme and thanks Bengt for hosting this!

NanoSafety Cluster – Self evaluation/review



- ▶ Specify project(s) and achievement(s)
 - See Cluster self–review

- ▶ Checklist for performing
 - Human toxicity tests tox:
 - Luisa Campagnolo, Flemming R. Cassee, Albert Duschl, Andrea Haasse, Maria Dusinska & Vicki Stone
 - Ecotox: I
 - Iaria Corsi, Teresa Fernandes

- in vitro toxicological data
- in vivo toxicological data
- mechanism of action
- toxicological testing protocols
- data on biodistribution

Events and publications

- ▶ Joined NSC–WG2 and MODENA **workshop**
 - Assessing the dose of nanomaterial in toxicological studies: smart combinations of experimentation and modelling. Chairs : Flemming R. Cassee & Phil Demokritou, Venue: Tallinn, Estonia, 23, 4–5 May 2016
- ▶ **Paper:** Nanomaterials vs Ambient Ultrafine Particles: an Opportunity to Exchange Toxicology Knowledge – Vicki Stone, Mark R. Miller, Martin J.D. Clift, Alison Elder, Nicholas L. Mills, Peter Møller, Roel P.F. Schins, Ulla Vogel, Wolfgang G. Kreyling, Keld Alstrup Jensen, Thomas A.J. Kuhlbusch, Per E. Schwarze, Peter Hoet, Antonio Pietroiusti, Andrea De Vizcaya–Ruiz, Armelle Baeza–Squiban, C. Lang Tran, Flemming R. Cassee. Environmental Health Perspectives 2016 in press

Other

- ▶ **Update NSC compendium**

<http://www.nanosafetycluster.eu/home/european-nanosafety-cluster-compendium.html>

- ▶ **Update website** <http://www.nanosafetycluster.eu/working-groups/2-hazard-wg.html>

- ▶ **Contribution Special Issue Toxicology and Applied Pharmacology: The First Decade of Nanotoxicology: Achievements, Disappointments and Lessons** e.g. Grouping nanomaterials to predict their potential to induce pulmonary inflammation Braakhuis, Oomen and Cassee. *Toxicol Appl Pharmacol.* 2016 May 15;299:3–7.

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