Characterization and evaluation for (nano)materials safety

« Open Innovation Hubs/Governance, science-based risk assessment and regulatory aspects »

Thematic brokerage workshops

EU Brokerage Event on Kets in Horizon 2020

Strasbourg, 17th October 2017

Namur Nanosafety Center

- Interdisciplinary research platform for the development of toxicity assays for nanomaterial regulatory purposes and physico-chemical characterization (University of Namur, Belgium).

UNIVERSITÉ DE NAMUR

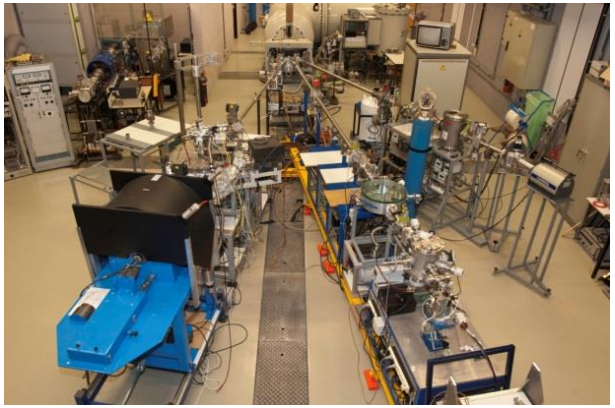
namur nanosafety centre
INTEGRATED PLATFORM

- **FP7/SIINN projects:**

  QualityNano (Improving data quality), **Nanovalid** (Validation of methods), **Nanoreg** (Regulation of NMs), **NanoToxClass** (grouping/classification strategies/supporting risk assessment), **Nanogeco** (NMs in paints).

Our expertise

- **Characterization of NMs and materials containing NMs:** raw, in dispersion, in complex media (culture media, food, composites). Content of NMs in complexes matrices.

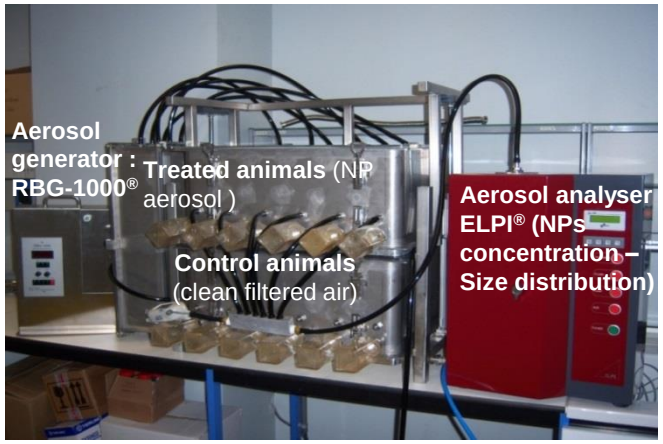


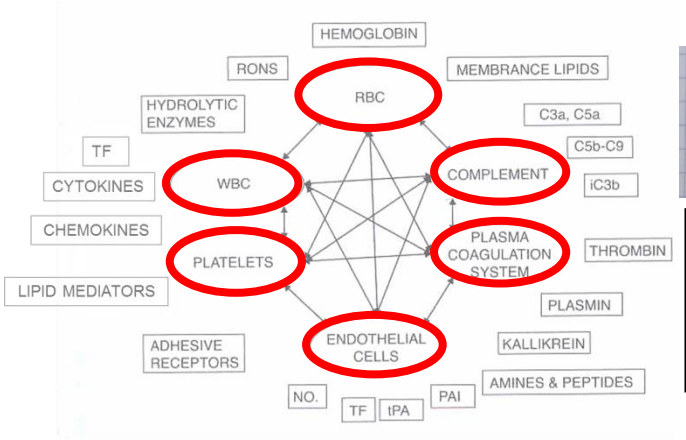


- **Fate of NMs**: Transformation of NMs (surface) in specific compartments. Detection and evaluation of released (nano)materials, intentional or unintentional, before/during manufacturing, after erosion or usure.

Our expertise

- **Toxicity assessment:** in vitro (ROS), in vivo (oral toxicity, whole-body exposure model), ex vivo (coagulation, blood), ecotoxicity studies.





- **Safety assessment:** Preclinical registration document.
- **In silico modelling** (sedimentation of NMs in aqueous media, environmental compartments).

Contact details

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