

## **Nano-exposure Driven Risk Assessment**

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There is a need to advance risk assessment by better integrating nanomaterial exposures with toxicity testing. This presentation focuses on quantifying nanomaterial release, measurement and exposure to real consumer products. Examples of nanoparticle detection (TiO<sub>2</sub>, MWCNT) in consumer products and lung tissue of rates will be briefly reviewed before providing examples of relating to ingestion and dermal exposure. Approaches, challenges and opportunities for this type of research as applied to four different product lines will be discussed, and the presentation will conclude with questions regarding the timing and need for case studies of exposure assessment and feasibility of prospective epidemiological studies.