



Nano.gov

U.S. National Nanotechnology Initiative

Plenary Session: Exposure-Driven Risk Assessment for Nanosafety Research

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What do we mean by “exposure-driven”?

- **Nanosafety research should consider:**
 - **Dose:** what is the likely level of exposure to the population of concern?
 - **Route of exposure:** is the study replicating the appropriate route?
 - **Environmental matrix:** how does the nanoparticle behave in the target matrix?
 - **Co-exposures:** what else is in the exposure?
 - **Form of material:** Are there environmental transformations and agglomerations?

- **Speaker: Phil Demokritou (Harvard TH Chan School of Public Health)**
 - **Exposure-driven risk assessment of engineered nanomaterials released from nano-enabled products across their life cycle: Lessons learned from case studies**

- **Panel**
 - **Gedi Mainelis (Rutgers University)**
 - **Alison Elder (University of Rochester)**

- **Roundtable Discussion**