

A short summary of a project idea:

A total of 9 scientists from Department of Toxicology and Risk Assessment and Department of Food Chemistry, Danish Institute for Food and Veterinary Research, are working in up-to-date facilities on the strategy for toxicological testing of nanoparticles. The strategy includes chemical characterization of nanomaterials such as food additives and food packaging materials by different techniques including IR, SEC, ICP-MS, GC-/LC-MS/MS and migration testing. This makes the basis for the use of our long-time experience in analyzing effect parameters including genotoxicity, molecular biology, apoptosis, general toxicity, reproduction toxicity, neurotoxicity, immunotoxicity and cancer using both in vitro studies as well as short and long-term animal experiments conducted in our own animal facilities.

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