

# **"Nanoparticle surface coatings and genetic make-up of the host modulate genotoxic effects of silver nanoparticles"**

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## **Abstract:**

Ramune Reliene studies the role of environmental agents in cancer etiology and the role of antioxidant-rich foods and nutrients in cancer prevention.

The Reliene lab specializes in the study of genotoxic and cancer risks of engineered silver nanoparticles that are used in a variety of consumer and medical products. Other projects examine the role and molecular mechanisms of pomegranate extract in breast cancer chemoprevention. The lab uses cellular and whole animal models including DNA repair deficient mice and various molecular and microscopic techniques and high throughput genomic technologies.

## **Biography:**

Dr. Reliene is an Associate Professor in the Cancer Research Center at School of Public Health at the University at Albany. She received her B.S. and M.S. in Biochemistry at the University of Vilnius, and her Ph.D. in Biochemistry at the Swiss Federal Institute of Technology (ETH) in 2001. She completed a post-doctoral fellowship in Carcinogenesis at the University of California Los Angeles in 2005. Reliene is also an assistant professor in the Department of Environmental Health Sciences at the School of Public Health, and has authored more than 30 publications in toxicology and cancer research.