

Olimpia Vincentini has an education in Biology (La Sapienza University, Rome) and a PhD in Experimental and Clinical Pathology (Alma Mater Studiorum University, Bologna).

From 2006 She works as Research scientist at the Department of Food Safety and Veterinary Public Health in the Human Nutrition and Health Unit, Istituto Superiore di Sanità (ISS), Roma, Italy–

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She carries out research on chemicals - nutrients and other substances - in food, and their impact on human health. Scientific interests include:

- Development and optimization of *in vitro* intestinal models for food safety and nutrition studies aimed at evaluating the transport, metabolism and toxicity of drugs, nutrients and food contaminants
- Validation of alternative methods (NAM) *in vitro* to evaluate the toxicity of nanomaterials, including advanced intestinal barrier models by setting up cocultures capable of mimicking uptake and translocation to determine the gastrointestinal fate of nanomaterials.
- Study of the mechanisms responsible for the pathogenesis of celiac disease by analyzing antigens and inflammatory mediators in intestinal differentiation and innate immunity in *in vitro* models
- Risk-benefit assessment of food
- Nutritional and health properties of fermented foods and their effect in intestinal diseases.

She is actually involved in a project founded by EFSA- NanocellUP-Use of New Approach Methodologies (NAMs) for the hazard assessment of nanofibers. Lot 1: nanocellulose oral exposure: gastrointestinal digestion, nanofibers uptake and local effects and in the project founded by Italian Ministry of Health -Preliminary study for the development of a Guidance Document (GD) OECD related to the definition of an *in vitro* approach for the determination of oral absorption of nanomaterials .

“Autorizzo l’ISS e l’Associazione NanoInnovation al trattamento dei miei dati personali e la loro conservazione ai fini organizzativi e amministrativi, secondo quanto previsto dal Regolamento UE 2016/679”

Roma 23/07/2021

In fede



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