

# Curriculum Vitae

**Last name, First name:** Wijnhoven, Susan

**Gender:** Female

**Nationality:** Dutch

## Overall Scientific Expertise:

Susan Wijnhoven holds a Master degree in Biological Health Sciences (University of Maastricht, 1996). During her PhD period (1996-2000, Leiden University) she investigated the relationship between somatic mutations and cancer development in nucleotide excision repair deficient mice. From 2000, she is appointed to RIVM, first as a Postdoctoral Fellow/ Research Associate in toxicology, carcinogenesis, and aging. Since 2007, she is working at the RIVM department of Safety of Substances and as senior scientist/risk assessment human toxicology. Her work is mainly focused on risk assessment of chemicals in consumer products and nanotechnology. She has been advisor of the Dutch Ministry of Health on Cosmetics (Standing Committee and Working Group meetings of DG GROW). She is member of the RIVM working group of nanotechnology and working on various projects on Nanotechnology with the focus on consumer exposure and nanotechnology in consumer products. She is also project member of KIR nano (NL observatory on nanotechnology). Furthermore, she is involved in numerous national and international research projects on (risk assessment of) nanomaterials in consumer products and leads the risk assessment work package of the FP7 project GUIDEnano. She published a couple of reports and publications on the exposure assessment of scented products, and the quantitative risk assessment (QRA) of fragrances. She has been involved in the WHO/IPCS document on harmonized risk assessment immunotoxicity (example of Citral) and currently she one of the members of the WHO/IPCS expert drafting group on Environmental Health Criteria Document on Principles and Methods to assess the risk of immunotoxicity associated with exposure to nanomaterials.

## Professional Experience

Years employed from – to	Title of position	Employer – name and location	Areas of professional specialisation
2007-present	Risk assessor human toxicology	RIVM, Centre for Safety of Substances and Products (VSP), Centre for Substances and Integrated Risk Assessment (SIR), Bilthoven, The Netherlands	Risk assessment human health, human toxicology, consumer exposure to chemicals, exposure assessment, exposure modelling, toxicokinetics, nanotechnology, nanotoxicology, nanomaterials, immunotoxicity (QRA)
2000-2007	Postdoctoral fellow, research associate	Erasmus Medical Centre (Rotterdam) in cooperation with RIVM, Bilthoven, The Netherlands	Toxicology, carcinogenesis, mutagenesis, aging, in vitro and in vivo toxicology tests, transgenic mouse models, immunotoxicity, genotoxicity
1996-2000	PhD student	Leiden University Medical Centre, Leiden, The Netherlands	Carcinogenesis, mutagenesis, toxicology, transgenic mouse models, molecular biology, histology, genotoxicity

## Educational Background

Year	Degree awarded	Educational Institution – name and location	Areas of educational specialisation
2001-2015		RIVM, Bilthoven, The Netherlands Ministry of Foreign Affairs, The Hague, The Netherlands	Project management (2x) Training Officer International Policy (EU level)
2001-2015		Postgraduate Education in Toxicology (PET)	- risk communication (2010) - risk assessment (2007) - toxicogenomics (2006)
1996-2000		Leiden University and the Medical Genetic Center Netherlands	Additional courses in PhD program (English, writing, presentation)
1990-1996	MSc Health Sciences, Cum Laude	Health Sciences, Biological Health Sciences, Maastricht University (UM), The Netherlands	Biological Health Sciences, Toxicology, Food and Health, in vivo and in vitro mutagenesis, carcinogenesis, aging, molecular biology

**Memberships in Scientific Advisory Bodies/Committees/Panels (if any):**

WHO-IPCS expert drafting group on EHC document on principles and methods to assess the risk of immunotoxicity associated with exposure to nanomaterials

Member of SCENIHR working group on nanosilver (opinion in 2014)

Advisor of Dutch Ministry of Health on the Cosmetics Meetings (Standing Committee and Working Party) of DG GROW (Cosmetics Regulation)(3 years)

Member of the DG Sanco (GROW) Cosmetic Subgroup Definition of nanomaterials (2 years)

WHO-IPCS expert drafting group on EHC document on harmonized risk assessment immunotoxicity

Member of ILSI Novel Foods and Nanotechnology Expert group on nanomaterials in food: advisor on risk assessment of nanomaterials in food

**Memberships in Learned Societies (if any):--**

**Memberships in Editorial Boards (if any):--**

**List of Publications:**

Susan Wijnhoven published 30 publications in scientific journals and 18 RIVM reports. The first scientific publications were focused on mutation analysis, genotypic and phenotypic analysis of DNA-repair deficient mouse models using various techniques. From 2009, the publications were mainly focused on human exposure and risk assessment of chemical substances and nanomaterials in consumer products.

The 7 most representative publications are:

1. Wijnhoven S.W.P., Herberts C., Hagens W.I., Oomen A., Heugens E., Roszek B., Bisschops J., Peijnenburg W., Gosens I., Van de Meent D., Dekkers S., De Heer C., Sips A.J. A.M., De Jong W., Van Zijverden M., Geertsma R. Nano-silver, a review of available data and knowledge gaps in human and environmental risk assessment. *Nanotoxicology*, DOI: 10.1080/17435390902725914 (2009).

2. Ter Burg W., Wijnhoven SWP, Schuur G. Observations on the methodology for quantitative risk assessment of dermal allergens. RIVM report 3200015003/2010.

3. Cockburn A, Bradford R, Buck N, Constable A, Edwards G, Haber B, Hepburn P, Howlett J, Kampers F, Klein C, Radomski M, Stamm H, Wijnhoven S, Wildemann T, Chiodini AM. Approaches to the safety assessment of engineered nanomaterials (ENM) in food. *Food Chem Toxicol.* 2011 Dec 29.

4. Wijnhoven SWP, Oomen AG, Sips AJAM, Bourgeois FC., te Dorsthorst GJPM., Kooi MW, Bakker MI. Development of an inventory for consumer products containing nanomaterials. 2011. Report accessible via <http://ec.europa.eu/environment/chemicals/nanotech/index.htm>

5. Losert S, von Goetz N, Bekker C, Fransman W, Wijnhoven SW, Delmaar C, Hungerbuhler K, Ulrich A. Human exposure to conventional and nanoparticle-containing sprays-a critical review. *Environ Sci Technol*. 2014 May 20;48(10):5366-78. doi: 10.1021/es5001819. Epub 2014 May 12.
6. Bleeker EAJ, Evertz S, Geertsma R, Peijnenburg WJGM, Westra J, Wijnhoven SWP. Assessing health & environmental risks of nanoparticles : Current state of affairs in policy, science and areas of application. RIVM Report 2014-0157.
7. Hartemann P, Hoet P, Proykova A, Fernandes T, Baun A, De Jong W, Filser J, Hensten A, Kneuer C, Maillard J-Y, Norppa H, Scheringer M, Wijnhoven S. Nanosilver: Safety, health and environmental effects and role in antimicrobial resistance. *Materials Today*, 2015 April, Volume 18, Issue 3, April, Pages 122–123.