

CURRICULUM VITAE

April 2018



Title and name

Prof. Hendrik Van Loveren

Nationality

Dutch

Panel / Scientific Committee

Panel on Food Contact Materials and Enzymes and Processing Aids (CEP)

Education

PhD in Biomedical Science, 1981, Utrecht University, The Netherlands

MSc in Biological and Biomedical Sciences, 1975, Utrecht University, The Netherlands

Work Experience

2017-present	Dutch Food and Consumer Safety Authority (NVWA), Utrecht, The Netherlands	Senior advisor Dutch Food and Consumer Safety Authority –As a part time advisor I evaluate the quality of risk assessments in the context of food and consumer product safety made by the NVWA.
2002 – present	Maastricht University, The Netherlands	Professor of Immunotoxicology -Teaching Immunotoxicology -Research devoted to implementation of toxicogenomics in testing for (immune)toxic effects
1983 – 2015	National Institute of Public Health and the Environment (RIVM), The Netherlands	Senior Scientific Advisor -Responsible for the immunotoxicology program at RIVM
1982 – 1983	Yale University, New Haven, USA	Post doctoral Fellow Immunology -Research in the field of contact sensitization to low molecular weight chemicals
1975 – 1984	Utrecht University, The Netherlands	Junior Scientist -Research in Immunology, cellular interactions, involving macrophages, lymphocytes, mast cells, endothelial cells, and soluble mediators. PhD thesis Tumor Immunology (1981)

Scientific expertise

- Immunotoxicology
- In vitro testing
- New Approach Methods (NAMs)
- Mechanism of Toxicity
- Developmental and Reproductive Toxicity
- Chemical Risk Assessment
- Risk and benefit assessment methodology

Most relevant scientific publications within the fields of EFSA

My publications either deal with the development of testing strategies of immunotoxicology testing, or the actual immunotoxic effects of chemicals.

I was (co-)author of:

1. Tonk et al. Relative sensitivity of developmental and immune parameters in juvenile versus adult male rats after exposure to di(2-ethylhexyl)phtalate. *Toxicol Appl Pharmacol* 2012, 260, 48.
 2. Katika et al. Transcriptome analysis of the human T lymphocyte cell line Jurkat and human peripheral blood mononuclear cells exposed to deoxynivalenol (DON): new mechanistic insights. *Toxicol Appl Pharmacol* 2012
 3. Tonk et al. Developmental immunotoxicity in male rats after juvenile exposure to ethanol. *Toxicology* 2013, 309, 91.
 4. Albers et al. Monitoring immune modulation by nutrition in the general population: Identifying and substantiating effects on human health. *Br J Nutr* 2013, 110, S1.
 5. Merlo et al. Micronuclei in cord blood lymphocytes and associations with biomarkers of exposure to carcinogenesis and hormonally active factors, gene polymorphisms, and gene expression: The Newgeneris Cohort. *Env Health Perspect* 2014, 122, 193.
 6. Vandebriel et al. Immunotoxicity of silver nanoparticles in an intravenous 28-day repeated-dose toxicity study in rats. *Particle and Fibre Toxicol* 2014, 11, 1.
 7. Doedee et al. Effects of prophylactic and therapeutic paracetamol treatment during vaccination on Hepatitis B Antibody Levels in Adults: Two Open-Label, Randomized Controlled Trials. *PLOS one*, DOI:10.1371/journal.pone.0098175.
 8. Van der Veen et al. Anchoring molecular mechanism to the adverse outcome pathway for skin sensitization: analysis of existing data. *Crit Rev Toxicol* 2014, 44, 590.
 9. Hessel et al. Developmental immunotoxicity of chemicals in rodents and its possible regulatory impact. *Crit Rev Toxicol* 2015, 45, 68.
 10. Braakhuis et al. Identification of the appropriate dose metric for pulmonary inflammation of silver nanoparticles in an inhalation toxicity study. *Nanotoxicology* 2016, 10, 63.
 11. Urrutia-Ortega et al. Food-grade titanium dioxide exposure exacerbates tumor formation in colitis associated cancer model. *Food Chemical Toxicol* 2016, 93, 20.
 12. Giannakou et al. A comparison of immunotoxic effects of nanomedicinal products with regulatory immunotoxicity testing requirements. *Int J Nanomed* 2016, 11, 1-18.
 13. De Jong et al. Pattern of risks of systemic lupus erythematosus among statin users: a population-based cohort study. *Ann Rheum Dis*. 2017, doi: 10.1136/annrheumdis-2016-210936.
 14. Proquin H et al. Titanium dioxide food additive (E171) induces ROS formation and genotoxicity: contribution of micro and nano-sized fractions. *Mutagenesis*. 2017 Jan;32(1):139-149. doi: 10.1093/mutage/gew051.
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15. Proquin H et al. Gene expression profiling in colon of mice exposed to food additive titanium dioxide (E171). *Food Chem Toxicol.* 2018 Jan;111:153-165. doi: 10.1016/j.fct.2017.11.011. Epub 2017 Nov 8.
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