

BIOGRAPHY

3 July 2012



Title and name

Prof. dr. Hendrik van Loveren

Nationality

Dutch

Panel

Contaminants in the Food Chain

Education

Utrecht University, NL, Biology, 1975
Utrecht University, PhD Tumorimmunology, 1981
Yale University, New Haven USA, Post-doc
Board Certification Immunology 1988
Board Certification Toxicology 1998, and renewed in 2003, 2008

Scientific and risk assessment experience

- The main scientific interest is on effects of exogenous factors, including environmental chemicals, drugs, and food contaminants and food constituents, on the immune system. Such effects are expressed as effects on resistance to infections, allergies, or autoimmunity. Studies are performed in humans, in animal models, and in *in vitro* systems. The methodology applied comprises classical (immuno)toxicological as well as molecular biological markers. Mostly, effects studied pertained especially to adverse effects, but beneficial effects have also been studied.
 - Research performed forms a basis for evaluation risk or benefit of the agents mentioned.
 - Evaluations have been mainly in the field of immune effects.
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Main scientific publications

Below a selection of recent papers in the field of effects of exogenous factors on the immune system.

Tonk ECM, De Groot DMG, Penninks AH, Waalkens-Berendsen DH, Wolterbeek APM, Slob W, Piersma AH and Van Loveren H, 2010. Developmental Immunotoxicity of Methylmercury: The Relative Sensitivity of Developmental and Immune Parameters. *Toxicological Sciences*, 117, 325-335.

Van Kol SWM, Hendriksen PJM, Van Loveren H and Peijnenburg A, 2011. The effects of deoxynivalenol on gene expression in murine thymus. *Toxicology and Applied Pharmacology*, 250, 299-311.

Stølevik SB, Nygaard UC, Namork E, Haugen M, Engelstad Kvalem H, Meltzer HM, Alexander J, Van Delft JHM, Van Loveren H, Løvik M and Granum B, 2011. Prenatal exposure to polychlorinated

biphenyls and dioxins is associated with increased risk of wheeze and infections in infants. *Food and Chemical Toxicology*, 49, 1843-1848.

Tonk ECM, de Groot DME, Penninks AH, Waalkens-Berendsen IH, Wolterbeek APM, Piersma AH, Van Loveren H, 2011. Developmental immunotoxicity of di-n-octyltin dichloride (DOTC) in an extended one-generation reproductive toxicity study. *Toxicology*, 204, 156-163.

De Jong H, Cohen Tervaert JW, Saldi SR, Vandebriel RJ, Souverein PC, Meyboom RH, Van Loveren H and Klungel OH, 2011. Association between Statin Use and Lupus-Like Syndrome Using Spontaneous Reports. *Seminars in Arthritis and Rheumatism*, 41, 373-381.

De Jong HJ, Klungel OH, Van Dijk L, Vandebriel RJ, Leufkens HGM, Cohen Tervaert JW and Van Loveren H, 2012. Use of Statins and the Risk of Rheumatoid Arthritis. *Annals of the Rheumatic Diseases*, 71, 648-654.

Tonk ECM, Verhoef A, De La Fonteyne LJ, Waalkens-Berendsen IDH, Wolterbeek APM, Van Loveren H and Piersma AH, 2011. Developmental immunotoxicity in male rats after juvenile exposure to di-n-octyltin dichloride (DOTC). *Reproductive Toxicology*, 32, 341-348.

Osman A and Van Loveren H, 2012. Phosphoproteomic analysis of mouse thymoma cells treated with tributyltin oxide: TBTO affects proliferation and energy sensing pathways. *Toxicological Sciences*, 126, 84-100.

Van Kol SWM, Hendriksen PJM, Van Loveren H and Peijnenburg A, 2012. Transcriptomics analysis of primary mouse thymocytes exposed to bis(tri-n-butyltin)dioxide (TBTO). *Toxicology*, 296, 37-47.

Katika MR, Hendriksen PJM, De Ruijter NCA, Van Loveren H and Peijnenburg A, 2012. Immunocytological and biochemical analysis of the mode of action of bis(tri-n-butyltin)tri oxide (TBTO) in Jurkat cells. *Toxicology Letters*, 212, 126-136.
