

Curriculum vitae Juliette Legler

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Juliette Legler is a toxicologist with training in environmental sciences, aquatic ecotoxicology and molecular biology. She received her PhD in 2001 at the Wageningen University, The Netherlands. Her PhD and post-doctoral research were performed in collaboration with the Hubrecht Institute for Developmental Biology and Stem Cell Research. She has been employed since 2001 by the IVM as a research scientist. In 2005 she served as Interim Head of the Department of Chemistry and Biology at IVM, and is currently Deputy Head of the Department. Her main research focus is determining the effects and molecular mechanisms of toxicity of chemicals in the environment. To this end she develops bioassays using molecular biological (genomics) approaches in both cell-based and zebrafish models. She is coordinator of the EU project OBELIX, which studies possible links between early life stage exposure to endocrine disrupting chemicals and the development of obesity later in life. She was recently awarded an “Innovational Research Incentives Scheme” (VIDI) grant from the Netherlands Organisation for Scientific Research (NWO) for her research project entitled “Zebrafish as a model for understanding the role of environmental chemicals in obesity.” In addition, she is an advisor to various advisory committees such as the Dutch Health Council and OECD.

Selected publications (out of more than 40)

- Legler, J., Van den Brink, C.E., Brouwer, A., Murk, A.J., Van der Saag, P.T., Vethaak, A.D. & Van der Burg, B. (1999). Development of a stably transfected estrogen receptor-mediated luciferase reporter gene assay in the human T47D breast cancer cell line. *Toxicol. Sciences* 48, 55-66.
- Legler, J., Zeinstra, L.M., Schuitemaker, F., Lanser, P.H., Bogerd, J., Brouwer, A., Vethaak, A.D., De Voogt, P., Murk, A.J. & Van der Burg, B. (2002). Comparison of *in vivo* and *in vitro* reporter gene assays for short-term screening of estrogenic activity. *Environ. Sci. Tech.*, 36, 4410-4415.
- Legler, J. & Brouwer, A. (2003). Are brominated flame retardants endocrine disruptors? *Environment International*, 29, 879-885.
- Van Boxtel, A.L., Kamstra, J.H., Cenijs, P.H., Pietersen, B., Wagner, M.J., Antink M., Krab, K., Van der Burg, B., Marsh, G., Brouwer, A. & Legler, J. (2008). Microarray analysis reveals a mechanism of phenolic polybrominated diphenylether toxicity in zebrafish. *Environ. Sci. Technol.*, 42(5), 1773-1779