

PERSONAL INFORMATION Sarah Adler-Flindt

WORK EXPERIENCE

September 1999-July 2001

Student assistant and tutor at animal physiology training course
Free University Berlin (Germany)

July 2002-June 2005

Auxiliary agent

European Centre for the Validation of Alternative Methods- ECVAM (Italy)
Development of embryotoxicity test assays in vitro based on pluripotent cells, in particular human embryonic stem cells

January 2006-April 2008

Scientist

Cellartis AB (Sweden)
Development of embryo-toxicity test assays based human embryonic stem cells

May 2008-September 2011

Scientific officer

Federal Institute for Risk Assessment - BfR, Center for Documentation and Evaluation of Alternative Methods to Animal Experiments - ZEBET (Germany)
Scientific advice regarding the implementation of alternative methods (3Rs) during risk assessment

September 2011-September 2018

Scientific officer

Federal Institute for Risk Assessment - BfR, Pesticides Safety (Germany)
Toxicological assessment of plant protection products and their ingredients

October 2018- Present

Scientific officer

Federal Office of Consumer Protection and Food Safety - BVL, Veterinary Drugs (Germany)
Assessment of user safety and residues of pharmacologically active substances

EDUCATION AND TRAINING

April 1996-September 2002

Diploma

Free University Berlin (Germany)
Studies of Biology, topic of master thesis: in vitro toxicology, 3Rs, embryonic stem cells, 1-year stay at ECVAM (European Centre for the validation of alternative methods) in Ispra, Italy for preparation of master thesis

September 2002-July 2005

PhD

University of Konstanz (Germany)
PhD thesis in cell biology, in vitro toxicology, 3Rs, human embryonic stem cells, 3-year stay at ECVAM (European Centre for the validation of alternative methods) in Ispra, Italy for preparation of PhD thesis

ADDITIONAL INFORMATION

Expertise

- Alternative methods to animal experiments, 3Rs, in vitro toxicology
- murine and human embryonic stem cells

- Toxicological risk assessment of pharmacologically active substances, plant protection products and biocides for regulatory purposes

Publications

- Kurth D, Wend K, Adler-Flindt S, Martin S. A comparative assessment of the CLP calculation method and in vivo testing for the classification of plant protection products. *Regul Toxicol Pharmacol* - 2019 Feb;101:79-90. Epub 2018 Nov 22.
- Adler-Flindt S, Martin S. Comparative Cytotoxicity of Plant Protection Products and their Active Ingredients. *Toxicology in Vitro. Toxicol In Vitro* - 2019 Feb;54:354-366. Epub 2018 Oct 31.
- Liebsch M, Grune B, Seiler A, Butzke D, Oelgeschläger M, Pirow R, Adler S, Riebeling C and Luch A. Alternatives to Animal Testing: Current Status and Future Perspectives. *Archives of Toxicology* 2011 August; 85(8):841-858.
- Adler S, Basketter D, Creton S, Pelkonen O, et al. Alternative (Non-Animal) Methods for Cosmetics Testing: Current Status and Future Prospects 2010. *Archives of Toxicology* - 85 (5):367-485.
- Adler S, Bicker G, Bigalke H, Bishop C, Blümel J, et al. Current Scientific and Legal Status of Alternative Methods to the LD50 Test for Botulinum Neurotoxin Potency Testing. *Alternatives to laboratory animals: ATLA*. 2010 September; 38(4):315-30.
- Adler S, Lindqvist J, Emanuelsson K, Hyllner J, Strehl R. Testing Developmental Toxicants Using a Cytotoxicity Assay Based on Human Embryonic Stem Cells. *Alternatives to laboratory animals: ATLA*. 2008 May; 36(2):129-40.
- Adler S, Pellizzer C, Hareng L, Hartung T, Bremer S. First Steps in Establishing a Developmental Toxicity Test Method Based on Human Embryonic Stem Cells. *Toxicology In Vitro*. 2008 Feb; 22(1):200-11. Epub 2007 Sep 4.
- Adler S, Allsopp T, Bremer S, Buzanska L, et al. HESC Technology for Toxicology and Drug Development: Summary of Current Status and Recommendations for Best Practice and Standardization. The Report and Recommendations of an ECVAM Workshop. Unpublished report, 2007. Available at: http://ecvam.jrc.it/publication/hESC_%20010711.pdf.
- Coecke S, Eskes C, Gartlon J, Kinsner A, Price A, van Vliet E, Prieto P, Boveri M, Bremer S, Adler S, Pellizzer C, Wendel A, Hartung T. The value of alternative testing for neurotoxicity in the context of regulatory needs. *Environmental toxicology and pharmacology*. February 2006; 21 (2): 153-167.
- Adler S, Pellizzer C, Paparella M, Hartung T, Bremer S. The effects of solvents on embryonic stem cell differentiation. *Toxicology In Vitro*. 2006 Apr; 20(3):265-71. Epub 2005 Aug 19.
- Adler S, Paparella M, Pellizzer C, Hartung T, Bremer S. The detection of differentiation-inducing chemicals by using green fluorescent protein expression in genetically engineered teratocarcinoma cells. *Alternatives to laboratory animals ATLA*. 2005 Apr; 33(2):91-103.
- Pellizzer C, Bello E, Adler S, Hartung T, Bremer S. Detection of tissue-specific effects by methotrexate on differentiating mouse embryonic stem cells. *Birth defects research. Part B, Developmental and reproductive toxicology*. 2004 Oct; 71(5):331-41.
- Pellizzer C, Adler S, Corvi R, Hartung T, Bremer S. Monitoring of teratogenic effects in vitro by analysing a selected gene expression pattern. *Toxicology In Vitro*. 2004 Jun; 18(3):325-35.
- Bremer S, Pellizzer C, Adler S, Paparella M, de Lange J. Development of a testing strategy for detecting embryotoxic hazards of chemicals in vitro by using embryonic stem cell models. *Alternatives to laboratory animals: ATLA*. 2002 Dec; 30 Suppl 2:107-9.

Projects

Memberships

German Society for Pharmacology and Toxicology (DGPT e.V.)

Other Relevant Information