BIOGRAPHY

17/05/2010

Title and name
Dr (Ph. D.) Kettil Svensson

Nationality
Swedish

Panel
CEF - Panel, Food contact materials, enzymes, flavourings and processing aids.

Education
Bachelor of Science, 1976, University of Stockholm, Sweden.

Guest Fellow at NIEHS, 1982-83, Research Triangle Park, North Carolina, USA.

Ph. D. in Physical Biology, 1989, Department of Radiobiology, University of Stockholm, Sweden.

Scientific and risk assessment experience
1. At the Department of Radiobiology; Stockholm University, experience in risk assessment and occupational exposure/dose assessment of industrial chemicals.

2. As Senior Toxicologist at the NFA especially experience in risk assessment of substances used in food contact materials. Experience gained in these fields at the NFA, in the Nordic Co-operation on food contact materials under Nordic Council of Ministers, in the Council of Europé Committee of Experts on materials coming into contact with food, in SCF WG on food contact materials and in the AFC Panel of EFSA.

3. Other areas include risk assessment of substances in drinking water and industrial chemicals and probabilistic exposure assessments of pesticides etc.

Main scientific publications
More than 30 scientific publications and 30 scientific reports. Some more relevant are mentioned below. Publications covering risk assessment of substances used in food contact materials, industrial chemicals and substances in drinking water and food. Areas include especially genotoxicology and exposure assessments.

1. Svensson, K. and Osterman-Golkar, S. (1984) Kinetics of metabolism of propene and covalent binding to macromolecules in the mouse. Toxicol. Appl. Pharmacol. 73, 363-372.

2. Svensson, K. and Osterman-Golkar, S. (1986) Covalent binding of reactive intermediates to hemoglobin in the mouse as an approach to studying the metabolic pathways of 1,2-dichloroethane. In: The Role of Cyclic Nucleic Acid Adducts in Carcinogenesis and Mutagenesis. B. Singer and H.

Bartsch, eds. IARC Scientific Publications No. 70. International Agency for Research on Cancer, Lyon, pp. 269-279.

3. Svensson, K. and Osterman-Golkar, S. (1987) In vivo 2-oxoethyl adducts in hemoglobin and their possible origin. In: Application of Short-Term Bioassays in the Analysis of Complex Environmental Mixtures. M.D. Waters, S.S. Sandhu, and L. Claxton, eds. Plenum Press: New York. pp 49-66.

4. Svensson, K. (1988) Alkylation of proteins and DNA in mice treated with urethane. Carcinogenesis 9(12), 2197-2201.

5. Svensson, K. (1988) Studies of vinyl chloride, urethane, 1,2-dichloroethane and propene with respect to metabolism, covalent binding to macromolecules and genotoxic risk, Thesis, University of Stockholm, Stockholm, Sweden.

6. Svensson, K., Olofsson, K. and Osterman-Golkar, S., (1991) Alkylation of DNA and hemoglobin in the mouse following exposure to propene and propylene oxide, Chem.-Biol. Interact., 78, 55-66.

7. Hammarling L, Gustavsson H, Svensson K, Karlsson S, Oskarsson A. (1998) Migration of epoxidized soya bean oil from plasticized PVC gaskets into baby food. Food Add Contam 1998; 15:203-8.

8. Hammarling L, Gustavsson H, Svensson K and Oskarsson A. (2000) Migration of bisphenol-A diglycidyl ether (BADGE) and its reaction products in canned foods. Food Add and Contam 17 (11) 937-943.

9. Svensson, K., Abramsson, L., Becker, W., Hellenäs, K.-E., Lind, Y., Rosén, J. (2003) Dietary intake of acrylamide in Sweden. Food and Chemical Toxicology 41, 1581-1586.

10. Abramsson-Zetterberg, L. and Svensson, K. (2005). Semicarbazide is not genotoxic in the flow cytometry-based micronucleus assay in vivo. Toxicology Letters 155, 211-217.

11. Durling L J., Abramsson-Zetterberg L. and Svensson K. (2007) Furan is not genotoxic in the micronucleus assay in vivo or in vitro. Toxicol Lett 169(1): 43-50

12. Boon P.E, Svensson K., Moussavian S., van de Voet H., Petersen A., Ruprich J., Debegnach F., de Boer W. J., van Donkersgood G., Brera C., van Klaveren J. D. and Busk L. (2009) Probabilistic acute dietary exposure assessments to captan and tolylfluanid using several European food consumption and pesticide concentration databases. Food Chem.Tox 47(12) 2890-2898.