BIOGRAPHY

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Title and name
Professor Sandra Ceccatelli

Nationality
Swedish

Panel
Contaminants in the Food Chain

Education
- MD, University of Milan, Italy (1982);
- Child Neuropsychiatry Specialty, University of Milan, Italy (1986);
- Dr Med Sci, Karolinska Institutet, Stockholm, Sweden (1991);
- Docent Karolinska Institutet (1994);
- Fellowship at the Rockefeller University, New York, USA.

Scientific and risk assessment experience
1. Neurotoxicology;

2. Developmental neurotoxicity;

3. Neuroendocrinology;

4. Risk assessment of neurotoxic environmental contaminants;

5. Risk assessment of environmental factor on children health.

Main scientific publications

Author of more than 130 publications published in international peer-reviewed journals as well as book chapters, mainly dealing with mechanisms of neurotoxicity. Ten relevant papers:

1. Tofighi R, Wan Ibrahim WN, Rebellato P, Andersson PL, Uhlén P, Ceccatelli S, 2011. Non-dioxin-like polychlorinated biphenyls interfere with neuronal differentiation of embryonic neural stem cells. Toxicological Sciences, 124, 192-201.

2. Onishchenko N, Fischer C, Wan Ibrahim WN, Negri S, Spulber S, Cottica D, Ceccatelli S, 2011. Prenatal exposure to PFOS or PFOA alters motor function in mice in a sex-related manner. Neurotoxicity Research, 19, 452-461.

3. Spulber S, Rantamäki T, Nikkilä O, Castrén E, Weihe P, Grandjean P, Ceccatelli S, 2010. Effects of maternal smoking and exposure to methylmercury on brain-derived neurotrophic factor concentrations in umbilical cord serum. Toxicological Sciences, 117, 263-269.

4. Onishchenko N, Karpova N, Sabri F, Castrén E, Ceccatelli S, 2008. Long-lasting depression-like behavior and epigenetic changes of BDNF gene expression induced by perinatal exposure to methylmercury. Journal of Neurochemistry, 106, 1378-1387.

5. Tamm C, Sabri F, Ceccatelli S, 2008. Mitochondrial-mediated apoptosis in neural stem cells exposed to manganese. Toxicological Sciences, 101, 310-320.

6. Castoldi AF, Johansson C, Onishchenko N, Coccini T, Roda E, Vahter M, Ceccatelli S, Manzo L, 2008. Human developmental neurotoxicity of methylmercury: impact of variables and risk modifiers. Regulatory Toxicology and Pharmacology, 51, 201-214.

7. Johansson C, Castoldi AF, Onishchenko N, Manzo L, Vahter M, Ceccatelli S, 2007. Neurobehavioural and molecular changes induced by methylmercury exposure during development. Neurotoxicity Research, 11, 241-260.

8. Onishchenko N, Tamm C, Vahter M, Hökfelt T, Johnson JA, Johnson DA, Ceccatelli S, 2007. Developmental exposure to methylmercury alters learning and induces depression-like behavior in male mice. Toxicological Sciences, 97, 428-437.

9. van den Hazel P, Zuurbier M, Babisch W, Bartonova A, Bistrup ML, Bolte G, Busby C, Butter M, Ceccatelli S, Fucic A, Hanke W, Johansson C, Kohlhuber M, Leijs M, Lundqvist C, Moshammer H, Naginiene R, Preece A, Ronchetti R, Salines G, Saunders M, Schoeters G, Stilianakis N, ten Tusscher G, Koppe JG, 2006. Today's epidemics in children: possible relations to environmental pollution and suggested preventive measures. Acta Paediatrica Supplement, 95(453), 18-25.

10. Tamm C, Duckworth J, Hermanson O, Ceccatelli S, 2006. High susceptibility of neural stem cells to methylmercury toxicity: effects on cell survival and neuronal differentiation. Journal of Neurochemistry, 97, 69-78.