

Programme – International PCB Workshop

Sunday May 30 2010

- 15.00 Registration opens at the Wisby Strand, Strandvägen 4, Visby, Sweden, <http://www.wisbystrand.se/eng>
- 17.00 Guided walking tour in Visby (free)
- 18.00–20.00 Get together at Wisby Strand with a light buffet and cold drinks

Monday May 31		
09.00–09.15	Introduction	
09.15–10.00	Session I Chair: Rolaf van Leeuwen, Helen Håkansson	
	Background to EFSA's opinion on non dioxin-like PCBs	Invited speaker: Rolaf van Leeuwen, RIVM
10.00–10.45	Assessing the toxicity and hazard of non-dioxin-like PCBs present in food. An introduction to EC FP6 research project ATHON Auditory effects of developmental exposure to purity controlled PCB 74 or PCB 95 in rats Effects on developmental exposure to non dioxin-like PCBs on gene expression in brain and blood	<i>Helen Håkansson</i> <i>Hellmuth Lilienthal</i> <i>Patrick de Boever</i>
10.45–11.15	Break	

<p>11.15–12.30</p>	<p>Thyroid effects of high purity PCB 180 and PCB 52</p> <p>In vitro toxicity profiling of highly purified non dioxin-like PCB congeners</p> <p>Genome-wide analysis of murine liver toxicity profiles reveal gender specific changes following exposure to individual PCB congeners</p> <p>Effects on retinoids, bone parameters and body/organ weights in rats after <i>in utero</i> and lactational exposure to purified PCB180</p> <p>PCBs dynamics in <i>Tapes philippinarum</i> studied combining detoxification experiments and ecotoxicological model</p>	<p><i>Matti Viluksela</i></p> <p><i>Timo Hamers</i></p> <p><i>Rachel Heimeier</i></p> <p><i>Daniel Borg</i></p> <p><i>Stefano Raccanelli</i></p>
<p>12.30–15.00</p>	<p>Lunch and poster session</p>	
<p>15.00–15.45</p>	<p>Session II</p> <p>Chair: Dieter Schrenk, Annika Hanberg</p> <p>Xenobiotic receptors in PCB toxicity. Which events could be attributed to AhR and non-AhR interactions?</p>	<p>Invited speaker: Dieter Schrenk, University of Kaiserslautern, Germany</p>
<p>15.45–16.15</p>	<p>Effects of PCB153 on intercellular communication, signalling and gene expression in a model of liver progenitor cells</p> <p>PCB exposure as a risk factor for hypoin-sulinemia and type 2 diabetes in Septuagenarians</p>	<p><i>Miroslav Machala</i></p> <p><i>Philippe Grandjean</i></p>
<p>16.15–16.45</p>	<p>Break</p>	

16.45–17.45	<p>Early disease and disorder biomarkers in PCB-exposed Slovak population: A genomic approach</p> <p>PCB in food and feed in European Union official sampling covering 1999 to 2008</p> <p>PCB and PCDD/F in fish – results of a national study in Switzerland and recommendations on fish consumption</p> <p>PCBs and their metabolites in serum from children and their mothers in urban and rural communities</p>	<p><i>Somiranjana Ghosh</i></p> <p><i>Stefan Fabiansson</i></p> <p><i>Josef Tremp</i></p> <p><i>Rachel Marek</i></p>
17.45–18.15	A regulator’s perspective on the problem with PCBs in food and feed	Invited speaker: Frans Verstraete, European Commission

Tuesday June 1		
09.00–09.15	<p>Session III</p> <p>Chair: Ellen Griffith Spears and Niklas Johansson</p>	
	PCB Elimination Network, PEN, an initiative by the Stockholm Convention	<i>Niklas Johansson</i>
09.15–10.30	<p>Implications of post-TSCA handling of PCBs in the U.S.: An assessment of proposed reform measures</p> <p>Environmental management of local PCB-sources in the Arctic</p> <p>Results and challenges; the national environmental management plan for PCBs in Norway</p> <p>Estimating the inventory and the environmental challenge of PCBs in existing Norwegian buildings</p> <p>Current inventory and cleanup of PCBs in buildings in Sweden</p>	<p><i>Ellen Griffith Spears</i></p> <p><i>Halvard R. Pedersen</i></p> <p><i>Qno Lundkvist</i></p> <p><i>Rolf Tore Ottesen</i></p> <p><i>Per Lilliehorn</i></p>

10.30–11.00	Break	
11.00–12.30	<p>Application of activated carbon in the remediation of PCB-contaminated sediments</p> <p>Biotransformation of PCBs by plants and soil bacteria</p> <p>Toxicological and ecological effects of PCBs still relevant; “what you measure is what you get”</p> <p>Immunotoxicity in PCB-exposed children</p> <p>The PCB story, light version</p> <p>Applications of PCBs</p>	<p><i>Upal Ghosh</i></p> <p><i>Benoit van Aken</i></p> <p><i>Michiel Kotterman</i></p> <p><i>Philippe Grandjean</i></p> <p><i>Sören Jensen</i></p> <p><i>Mitchell Erickson</i></p>
12.30–15.00	Lunch and poster session	
15.00–15.45	<p>Session IV</p> <p>Chair: Gabriele Ludewig and Anders Glynn</p>	
	Toxicology of PCB. Current state of the art with special reference to cancer initiation	<i>Invited speaker:</i> Gabriele Ludewig, University of Iowa
15.45–16.15	<p>Novel DNA adducts detected in rat liver following treatment with PCB 38, PCB 77, and PCB 153</p> <p>Suppressive effect of persistent AhR ligands on WNT/beta-catenin signaling in liver progenitor cells</p>	<p><i>Ramesh Gupta</i></p> <p><i>Jan Vondracek</i></p>
16.15–16.45	Break	

<p>16.45–18.15</p>	<p>Hydroxylated PCBs and sulfotransferases: potential roles in disposition and in hydroxysteroid metabolism</p> <p>Cyclin D1 integrates metabolism and proliferation in PCB-153 treated mammary epithelial cells</p> <p>PCBs target Aquaporins at the maternal–fetal interface and induce anti-angiogenesis and preterm birth</p> <p>Nutrition can modulate vascular toxicity of PCBs: Implications in atherosclerosis</p> <p>Improved reproductive success in grey seals, otters and sea eagles in relation to decreased PCB concentrations</p>	<p><i>Michael Duffel</i></p> <p><i>Prabhat Goswami</i></p> <p><i>Surendra Sharma</i></p> <p><i>Bernhard Henning</i></p> <p><i>Anna Roos</i></p>
<p>19.00–</p>	<p>Workshop dinner. Medieval style. Arranged in the garden of “Frimurargögen”. Entrance through St Nicolai Ruin, northern gate.</p>	

<p>Wednesday June 2</p>		
<p>09.00–9.45</p>	<p><i>Session V</i></p> <p><i>Chair:</i> Keri Hornbuckle and Karin Wiberg</p>	
<p>9.45–10.30</p>	<p>Sources, transport and fate of PCB in the environment – experiences from the Great Lakes</p> <p>PCBs – A journey from the urban environment to a receiving harbour</p> <p>Evidence for extensive dechlorination of PCBs in sewers, landfills, and contaminated groundwater</p> <p>Polychlorinated biphenyls in tree bark near a former manufacturing plant in Sauget, IL, USA</p>	<p><i>Invited speaker:</i> Keri Hornbuckle, University of Iowa</p> <p><i>Morten Jartun</i></p> <p><i>Lisa Rodenburg</i></p> <p><i>Mark Hermanson</i></p>

10.30–11.00	Break	
11.00–12.30	<p>Accumulation and distribution of polychlorinated biphenyls in farm soils irrigated by wastewater</p> <p>Modelling bioaccumulation and trophic transfer of PCBs in Lake Kernaalanjärvi (Finland) food web</p> <p>Accumulation of buried PCBs and PBDEs in two benthic invertebrates – influence of contaminant burial depth</p> <p>Global and regional trends of PCBs in ambient air</p> <p>Spatial, seasonal and temporal variation in CB-congener pattern in Baltic herring</p> <p>Decadal trends of primary and secondary sources of PCBs in Europe using air mass trajectory statistics</p>	<p><i>Thanh Wang</i></p> <p><i>Matti Leppänen</i></p> <p><i>Sarah Josefsson</i></p> <p><i>Ivan Holoubek</i></p> <p><i>Anders Bignert</i></p> <p><i>Alice Dvorská</i></p>
12.30–14.30	Lunch and poster viewing	
14.30–15.00	PCBs and then? Could compounds as PCB-phenols be responsible for loss of chemical energy in aquatic ecosystems?	Invited speaker: Sören Jensen, Stockholm University
15.00–16.15	<p>Session VI Chair: Larry Robertson and Ulla Eriksson</p> <p>Does enantioselective metabolism of chiral NDL PCBs influence developmental neurotoxicity?</p> <p>Neonatal co-exposure to low doses of POPs and ionising radiation exacerbate developmental neurotoxic effects</p> <p>The use of quantitative structure–activity relationships (QSARs) in risk-based research prioritizations of PCBs</p> <p>PCBs in children’s playgrounds – a nationwide survey of contaminated soil in</p>	<p><i>Hans Joachim Lehmler</i></p> <p><i>Per Eriksson</i></p> <p><i>Patrik Andersson</i></p> <p><i>Ola A. Eggen</i></p>

	Norwegian day-care centres PCBs and pesticides in Icelandic cod (<i>Gadus morhua</i>)	<i>Helga Gunnlaugsdottir</i>
16.15–16.45	Break	
16.45–18.00	Thirty years monitoring PCBs in eel from the Netherlands Community outreach and research translation for a study of airborne exposure to semi-volatile organic pollutants Gut-blood brain barrier axis in the enhancement of brain metastases by PCBs Correlation between PCBs and persistent organic pollutants (POPs) or heavy metals detected in fetuses in Japan Workshop summary	<i>Jacob de Boer</i> <i>David Osterberg</i> <i>Michal Toborek</i> <i>Chisato Mori</i> <i>Larry Robertson</i>
18.00–18.15	Closing of workshop	<i>Niklas Johansson</i>

Thursday June 3 2010

Post workshop tour to the island of Stora Karlsö. This tour is for those who have registered and paid via the registration form. It might also be possible to make reservations on site. Check with the staff at the front desk.

The tour starts at 08.45 with bus from the Wisby Strand. The bus will take you to Klintehamn, and from there a boat will take you to Stora Karlsö. On the island you will have a guided tour and lunch. The bus is estimated to be back at the Wisby Strand at 16.10.