

**ATC3: Techniques for Evaluating Effects of Human Exposure to Flame retardants (FRs);
2 days, Course Organiser Kevin Chipman, UB
January Wed 18 and Thurs 19 2012 Room 311 Geography**

<i>Wednesday</i>	
<i>10.00 h-10.30h INTRODUCTION -Integrating Exposure and Effects Data – Setting Health Based Limit Values</i>	<i>Kevin Chipman (UB)</i>
<i>10.30-11.15h Molecular mechanisms of cell toxicity; In vitro toxicology and the 3Rs</i>	<i>Nick Hodges (UB)</i>
<i>11.15-11.45h Coffee</i>	
<i>11.45-12.30h Molecular mechanisms of carcinogenesis.</i>	<i>Nik Hodges (UB)</i>
<i>LUNCH 12.30-13.30h</i>	
<i>13.30 -14.15h Mechanistic toxicology in toxicity testing: strengths and limitations from in vitro to in vivo</i>	<i>Ronny Blust (UA)</i>
<i>14.15-15.00h Challenges in In vitro toxicity profiling of chemicals and complex mixtures</i>	<i>Timo Hamers (VU)</i>
<i>15.00-15.30h Tea</i>	
<i>15.30- 17.00h SMALL WORKING GROUP ANALYSES OF RISK ASSESSMENT</i>	
<i>Thursday</i>	
<i>10.00-10.40h Student Presentations: CONCLUSIONS OF SMALL WORKING GROUP TASK WORK</i>	
<i>10.40-11.00h Coffee</i>	
<i>11.00-11-20h Transcriptomics – general approaches of microarrays and pyrosequencing. What does it deliver?</i>	<i>Tim Williams (UB)</i>
<i>11.20-11.40h Metabolomics- general approaches. What does it deliver?</i>	<i>Mark Viant (UB)</i>
<i>11.40-12.00h Proteomics- general approaches. What does it deliver?</i>	<i>Caroline Vanparys (UA)</i>
<i>LUNCH 12.00-13.00h</i>	
<i>13.00-13.30h Application of omics to biomarker identification and risk assessment</i>	<i>Kevin Chipman (UB)</i>
<i>13.30-14.00h Bioinformatics in relation to predictive toxicology</i>	<i>Francesco Falciani (UB)</i>
<i>14.00-14.45h What animal models can teach us about FR effects on human health</i>	<i>Leonie van Rijt (UvA)</i>