

What Is Normal? Implications for Chemical Safety Assessment

Draft Workshop Agenda 4-30-13

Session	Speaker
Day 1: Tuesday, June 11, 2013	
Understanding What is Normal - What Does Human Biology Tell Us?	
Welcome and Opening Remarks	Janet Mostowy – ICCA-LRI Chair; Bayer
	David Gerhold – Co-Chair; National Institutes of Health National Center for Advancing Translational Sciences
Setting the Stage for Day 1	James Bus – Co-Chair; Exponent <i>What is the normal environment? Exposure and toxicological considerations</i>
Understanding what is Normal - What Does Human Biology Tell Us?	Doug Keller – Sanofi US <i>Identification and characterization of adverse effects in 21st century toxicology</i> Ronald Hines – U.S. EPA <i>Human and environmental health challenges for the next decade (2010 – 2020)</i> Bobby Scott – Lovelace Biomedical Environmental Research Institute <i>Biological responses that maintain homeostasis following low-dose exposure to ionizing radiation</i> Annette Rothermel – National Institute of Allergy and Infectious Diseases <i>The human microbiome in health and disease</i>
Panel Discussion #1	Timothy Gant – U.K. Health Protection Agency Roger McClellan – Diplomate-ABTD, Diplomate-ABVTF, Fellow-ATS Martin Stephens – Johns Hopkins University
Biomarkers of Exposure - How Can We Better Interpret these Data?	Jon Sobus – U.S. EPA <i>Development and application of biomarkers of exposure</i> Justin Teeguarden – Pacific Northwest National Lab <i>Urine and serum profiles of BPA during high dietary exposure</i>
Panel Discussion #2	Lesla Aylward – Summit Toxicology Benjamin Blount – U.S. Centers for Disease Control and Prevention Greet Schoeters – VITO
Day 1 Conclusion	Brenda Barry – American Chemistry Council
Poster Reception/Dinner	

Session	Speaker
<p><u>Day 2: Wednesday, June 12, 2013</u></p> <p>How do genetics, age, and nutrition impact the responses to chemical exposures?</p>	
<p>Welcome and Review of Agenda</p>	<p>David Gerhold – Co-Chair; National Institutes of Health National Center for Advancing Translational Sciences</p>
<p>Setting the Stage for Day 2</p>	<p>David Peden – University of North Carolina <i>Factors that can impact responses to chemical exposures</i></p>
<p>Do Epigenetics Impact Responses to Chemical Exposures?</p>	<p>Reza Rasoulpour – The Dow Chemical Company <i>Epigenetics and their potential role in responses to chemical exposures</i></p> <p>Elmar Tobi – Leiden University Medical Center <i>Early-life environmental conditions and impacts on epigenetics: The Dutch Hunger Winter</i></p>
<p>How Do Population Variability and Genetic Variation Affect Responses to Chemical Exposures?</p>	<p>Barbara Wetmore – The Hamner Institutes for Health Sciences <i>Age-dependent metabolism and the derivation of chemical specific uncertainty factors given variability in chemical metabolism</i></p> <p>Ivan Rusyn – University of North Carolina, Chapel Hill <i>Quantitative high-throughput screening for chemical toxicity in a population-based in vitro model</i></p>
<p>Poster Session Highlights</p>	<p>Kathleen Plotzke – Dow Corning Corporation</p> <p>Robert Barter – ExxonMobil Petroleum & Chemical</p>
<p>How Do Nutrition and Age Affect Normal Response?</p>	<p>Hiroshi Yamazaki – Showa University <i>Comparison of estimates of normal exposure through diet to internal dosimetry generated at NOEL and LOEL doses in animal toxicity studies</i></p> <p>Michael Bloom – University at Albany <i>The potential impacts of chemical exposures during the peri-natal period or in infancy/early childhood</i></p> <p>Jennifer Orme-Zavaleta – U.S. EPA <i>Aging and the environment: Aspects that impact responses to chemical exposures in older adults</i></p>
<p>Panel Discussion #3</p>	<p>Judy LaKind – LaKind Associates, LLC</p> <p>Timothy Buckley – U.S. EPA</p>
<p>Closing Remarks</p>	<p>Rusty Thomas – The Hamner Institutes for Health Sciences <i>What have we learned and what's next?</i></p>