

TWENTY-FIRST CENTURY APPROACHES TO TOXICITY TESTING, BIOMONITORING, AND RISK ASSESSMENT

Renaissance Amsterdam Hotel

16th – 17th June, 2008

The emergence and rapid development of new tools for biomonitoring and toxicity testing can provide a significant opportunity to improve our ability to perform risk assessments. The International Council of Chemical Associations Long-Range Research Initiative (ICCA-LRI) is sponsoring a workshop to stimulate innovative approaches to the assessment of risk, with emphasis on research, development, and application of advanced methods, on communication of the data generated by these new tools, and on understanding the relevance of the data for human health.

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“Call to Action”

This is a “Call to Action” for the scientific and public health communities to invest in and strive for a more reliable understanding of biomonitoring data, exposure, dose, and risk from environmental stressors.



The workshop will focus on:

- 1. Human Biomonitoring** – Showcasing new approaches to quantitative and qualitative interpretation of biomonitoring data.
- 2. Advanced technologies** – Evaluating the applications of advanced methods in toxicity testing/molecular screening using genomics and high-throughput testing/screening in the context of systems biology.
- 3. Risk assessment** – In light of these technological advancements, identifying how the science of risk assessment needs to be modernized to better inform public health decision making.

Discussions will be built on the deliberations and research outcomes from European Union’s Framework Programmes, U.S. National Research Council, European Centre for Ecotoxicology and Toxicology of Chemicals, U.S. Environmental Protection Agency, ICCA-LRI, and other organizations.

Posters will be presented from current research conducted in Europe, the United States, and Canada, displaying projects related to genomics, toxicity testing, exposure science, and the interpretation of biomonitoring data.



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The Long-range
Research initiative

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