Workshop Proposal: Endogenous Exposures in Chemical Assessment
Draft Scope
Last Updated - October 17, 2014

Challenges in Understanding Endogenous Exposures in Chemical Risk Assessment

- How is endogenous production of chemicals quantified and differentiated from exogenous exposure?
- How is exogenous additively to endogenous background concentrations found in the body currently addressed?
- What role does homeostasis play in evaluating the potential health effects of endogenously produced substances?
- How are effect thresholds determined when evaluating endogenous production?
- How might endogenous production vary among individuals?
- Is there a potential for people with high endogenous exposures to be predisposed to adverse end points or diseases caused by the chemical?

Workshop Concept

- Two day workshop to explore best practices to account for endogenous exposures in risk assessment
- Engage multi-stakeholders (i.e. federal, state and local regulatory agencies, academia, NGOs and industry)
- Identify and discuss the issues with endogenous exposures in risk assessment
- Identify and discuss 2-3 endogenously produced substances to use as case studies
- Discuss alternative frameworks for assessing the role of endogenous exposures in risk assessment, including strengths and limitations

Outcome of Workshop

- Written workshop proceedings, which will include:
    - a description of the case studies
    - outputs from any breakout groups
    - recommendations for best practices for approaches to evaluate endogenous exposures
- Interested workshop participants will be given the opportunity to serve as co-authors. The workshop publication will attempt to capture the full breadth and depth of participant discussions, but it will not be written up, or conveyed, as a consensus report of all workshop participants.