

US EPA ARCHIVE DOCUMENT

July 19, 2012

21st Century Toxicology Workgroup Meeting Agenda

Time: 1:00 – 3:00 PM (EST)

Conference room: 8621 Potomac Yards South

Call in number: 1-866-299-3188; 703-308-0293 #

Adobe Connect: <https://epa.connectsolutions.com/r6inrjq56sy/>

Agenda

1. Welcome – Jennifer McLain
2. Metric Proposal – Kristie Sullivan and Kate Willett will present a proposal to revisit, augment and implement metrics for progress on in vitro testing by setting specific goals and measuring progress to achieve these goals in the context of acute hazard labeling studies.
3. OPP Charge to the Subgroups on Biomonitoring – Jennifer McLain will lead a discussion on the OPP charge to the biomonitoring subgroups resulting from the proposals presented by the subgroups to the PPDC in May 2012. Please see outline of charge below.
4. Revised Future FACA Proposal – Erik Janus will lead a discussion on a draft proposal for a 2-day FACA meeting in Spring 2013 focusing on Tox21 tools currently being utilized and/or considered by EPA.
5. Presentation on the International Life Sciences Institute Research Foundation (ILSI-RF) Threshold of Toxicological Concern (TTC) Project for Antimicrobial Pesticide Chemicals – Richard Canady from ILSI will brief the workgroup on the Antimicrobial TTC Project. The goal of this project is to develop a framework and/or decision tree incorporating a TTC-based approach as a tool for use in risk assessment of antimicrobial pesticides and for addressing animal toxicology data requirements.
6. Other Topics

General Notes

OPP Charge to Subgroups on Biomonitoring:

1. Develop priority list of candidate pesticides for developing human health pesticide biomarkers for research and clinical applications. Convene expert group and agree upon criteria for developing list.
 - a. OPP will work with subgroup to identify and contact experts.
 - b. OPP will coordinate calls with expanded subgroup.
2. Create pesticide use case(s) for submission to DARPA as well as other research programs (e.g., NIEHS, EPA ORD) to encourage funding for research on rapid diagnostic methods for pesticides to enable clinical trials and point-of-need diagnostics.

- a. OPP will work with subgroup to develop use case(s) i.e., pesticide exposure scenarios (background on the DARPA project attached below; see also email from Erik J 5/21/2012).
 - Consider priority exposure and clinical diagnostic scenarios associated with chemicals on the priority pesticide list.
3. Identify existing data relevant to diagnosing overexposure to pesticides
 - a. OPP will inquire with EU/EFSA regarding availability of biofluid analytical methods and criteria EU uses to determine when biofluid methods are necessary.
 - b. Subgroup will determine if information on existing biofluid analytical methods should be incorporated into pesticide use case(s).
 - c. Review WHO guidance “Triage and clinical management of patients with acute pesticide self-poisoning presenting to small rural hospitals”.
4. Subgroup will identify whether information on existing data relevant to diagnosing overexposure to pesticides and/or information from the WHO guidance should be included in future versions of Physician’s Handbook.

Subgroups:

- Data & Information: Identify how existing data relevant to diagnosing overexposure to pesticides can be made more accessible and explore opportunities for additional information.
Lead = Cheryl Cleveland
Members = Jimmy Roberts, Matt Kiefer, Amy Liebman, Mary Manibusan and Cindy Baker Smith
- Prioritizing Pesticides: Develop a priority list of pesticides for biomarker research.
Lead = Jimmy Roberts
Members = Erik Janus, Caroline Cox, Amy Liebman, Valentin Sanchez, Virginia Ruiz
- Future FACA: Develop and plan future workshop to support OPP's communication/transition to 21st C science.
Lead = Erik Janus
Members = Kristie Sullivan, Kate Willett, Tim Pastoor