

IRIS Bimonthly Public Science Meeting

25-27 June 2014

U.S. Environmental Protection Agency
2777 South Crystal Drive, Ground Floor Conference Room
Arlington VA 22202

Wednesday, June 25

9:00 am EDT Registration

9:30 am Welcome, announcements, webinar logistics
- Vincent Cogliano, EPA/IRIS

10:00 am **Hexavalent Chromium**

Introduction
- Catherine Gibbons and Alan Sasso, EPA/IRIS Assessment Managers

Science issue 1: Cancer classification by inhalation

Facilitated discussion of science issue with all attendees, including:
- Sean Hays, Summit Toxicology
- Chris Kirman, Summit Toxicology, on behalf of American Chemistry Council
- Mark Harris, ToxStrategies
- Deborah Proctor, ToxStrategies
- Mina Suh, ToxStrategies

Science issue 2: Noncancer hazards to be considered

Facilitated discussion of science issue with all attendees, including:
- Sean Hays, Summit Toxicology
- Chris Kirman, Summit Toxicology, on behalf of American Chemistry Council
- Ted Simon, Ted Simon LLC
- Mark Harris, ToxStrategies
- Deborah Proctor, ToxStrategies
- Mina Suh, ToxStrategies
- Chad Thompson, ToxStrategies

11:45 am Lunch break

12:45 pm **Science issue 3: Susceptibility of mice to gastrointestinal toxicity**

Facilitated discussion of science issue with all attendees, including:
- Sean Hays, Summit Toxicology
- Chris Kirman, Summit Toxicology, on behalf of American Chemistry Council
- Mark Harris, ToxStrategies
- Deborah Proctor, ToxStrategies
- Mina Suh, ToxStrategies
- Chad Thompson, ToxStrategies
- Elliot Gordon, Elliot Gordon Consulting LLC, on behalf of ToxStrategies

Science issue 4: Utility of subchronic histopathological data

Facilitated discussion of science issue with all attendees, including:

- Sean Hays, Summit Toxicology
- Chris Kirman, Summit Toxicology, on behalf of American Chemistry Council
- Mark Harris, ToxStrategies
- Deborah Proctor, ToxStrategies
- Mina Suh, ToxStrategies
- Chad Thompson, ToxStrategies
- Elliot Gordon, Elliot Gordon Consulting LLC, on behalf of ToxStrategies
- Jeffrey Wolf, EPL Inc, on behalf of ToxStrategies

2:45 pm Break

3:00 pm Science issue 5: Database for reproductive and developmental effects

Facilitated discussion of science issue with all attendees, including:

- Liz Geltman, City University of New York School of Public Health
- Sean Hays, Summit Toxicology
- Chris Kirman, Summit Toxicology
- Mark Harris, ToxStrategies
- Deborah Proctor, ToxStrategies
- Mina Suh, ToxStrategies

Science issue 6: Relation between anemia and oral tumors in rats

Facilitated discussion of science issue with all attendees, including:

- Sean Hays, Summit Toxicology
- Chris Kirman, Summit Toxicology, on behalf of American Chemistry Council
- Susan Borghoff, ToxStrategies
- Mark Harris, ToxStrategies
- Laurie Haws, ToxStrategies
- Deborah Proctor, ToxStrategies
- Mina Suh, ToxStrategies

Open forum on Hexavalent chromium

NOTE: Epidemiologic, toxicokinetic, and mechanistic studies will be discussed at a future IRIS Public Science Meeting after the corresponding preliminary materials have been released.

5:30 pm Adjourn for the day

Thursday, June 26

9:00 am Registration

9:30 am Inorganic Arsenic

Introduction

- Reeder Sams, John Cowden, Janice Lee, EPA/IRIS Assessment Managers

Science issue 1: Application of NRC recommendations

Facilitated discussion of science issue with all attendees, including:

- Nancy Beck, American Chemistry Council (via telephone)
- Kimberly Wise, American Chemistry Council
- Jennifer McPartland, Environmental Defense Fund
- Joyce Tsuji, Exponent Inc, on behalf of Rio Tinto
- Barbara Beck, Gradient Corp
- Lorenz Rhomberg, Gradient Corp, on behalf of Arsenic Science Task Force
- Tracey Woodruff, University of California San Francisco
- Samuel Cohen, University of Nebraska Medical Center

Science issue 2: Risk-of-bias approach

Facilitated discussion of science issue with all attendees, including:

- Nancy Beck, American Chemistry Council (via telephone)
- Kimberly Wise, American Chemistry Council
- Chuck Elkins, Chuck Elkins & Associates
- Liz Geltman, City University of New York School of Public Health
- Jennifer McPartland, Environmental Defense Fund
- Joyce Tsuji, Exponent Inc, on behalf of Rio Tinto
- Barbara Beck, Gradient Corp
- Juleen Lam, Johns Hopkins University
- Patrice Sutton, University of California San Francisco (via telephone)
- Tracey Woodruff, University of California San Francisco (via telephone)
- Samuel Cohen, University of Nebraska Medical Center

12:15 pm Lunch break

1:15 pm Science issue 3: Integrating results of epidemiologic studies

Facilitated discussion of science issue with all attendees, including:

- Nancy Beck, American Chemistry Council (via telephone)
- Kimberly Wise, American Chemistry Council
- Joyce Tsuji, Exponent Inc, on behalf of Rio Tinto
- Barbara Beck, Gradient Corp
- Juleen Lam, Johns Hopkins University
- Tracey Woodruff, University of California San Francisco
- Samuel Cohen, University of Nebraska Medical Center

2:45 pm Break

3:00 pm Science issue 4: Concordance of effects between humans and animals

Facilitated discussion of science issue with all attendees, including:

- Kimberly Wise, American Chemistry Council
- Joyce Tsuji, Exponent Inc, on behalf of Rio Tinto
- Barbara Beck, Gradient Corp
- Samuel Cohen, University of Nebraska Medical Center

Science issue 5: Upstream biological events for clinical disease endpoints

Facilitated discussion of science issue with all attendees, including:

- Joyce Tsuji, Exponent Inc, on behalf of Rio Tinto
- Barbara Beck, Gradient Corp
- Samuel Cohen, University of Nebraska Medical Center

5:00 pm Adjourn for the day

Friday, June 27

9:30 am **Inorganic Arsenic** (continued)

Science issue 6: Mode-of-action and adverse outcome pathways

Facilitated discussion of science issue with all attendees, including:

- Nancy Beck, American Chemistry Council (via telephone)
- Kimberly Wise, American Chemistry Council
- Robinan Gentry, Environ Corp, on behalf of Electric Power Research Institute
- Jennifer McPartland, Environmental Defense Fund
- Joyce Tsuji, Exponent Inc, on behalf of Rio Tinto
- Barbara Beck, Gradient Corp
- Samuel Cohen, University of Nebraska Medical Center

Science issue 7: In-utero exposure leading to disease later in life

Facilitated discussion of science issue with all attendees, including:

- John DeSesso, Exponent Inc, on behalf of Arsenic Science Task Force
- Joyce Tsuji, Exponent Inc, on behalf of Rio Tinto
- Barbara Beck, Gradient Corp
- Samuel Cohen, University of Nebraska Medical Center

12:00 noon Lunch break

1:00 pm **Science issue 8 (new): Implications of nutritional factors on internal dose and response**

Facilitated discussion of science issue with all attendees, including:

- Joyce Tsuji, Exponent Inc, on behalf of Rio Tinto
- Barbara Beck, Gradient Corp

Open forum on Inorganic arsenic

2:30 pm **Open forum and discussion** (may start sooner if previous discussion ends early)

4:30 pm Adjourn

NOTE: Affiliations and sponsors are as self-reported during registration.