

Integrated Risk Information System (IRIS) Bimonthly Public Science Meeting

June 25–27, 2014

Agenda

U.S. Environmental Protection Agency
 One Potomac Yard (South Building)
 2777 South Crystal Drive, Ground Floor Conference Room
 Arlington VA 22202

Wednesday, June 25, 2014

9:00 am (EDT) Registration

9:30 am Welcome, announcements, and 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:

- Max Costa, New York University Medical Center (via telephone)
 - Deborah Proctor, ToxStrategies, on behalf of Electric Power Research Institute

Science issue 2: Noncancer hazards to be considered

Facilitated discussion of science issue with all attendees, including:

- Max Costa, New York University Medical Center (via telephone)
 - Ted Simon, Ted Simon LLC

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:

- Max Costa, New York University Medical Center (via telephone)
 - Elliot Gordon, Elliot Gordon Consulting LLC, on behalf of ToxStrategies
 - Chris Kirman, Summit Toxicology, on behalf of American Chemistry Council
 - Chad Thompson, ToxStrategies

Science issue 4: Utility of subchronic histopathological data

Facilitated discussion of science issue with all attendees, including:

- Max Costa, New York University Medical Center (via telephone)
 - Elliot Gordon, Elliot Gordon Consulting LLC, on behalf of ToxStrategies
 - Mark Harris, ToxStrategies
 - Chad Thompson, 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:

- Max Costa, New York University Medical Center (via telephone)
 - Liz Geltman, City University of New York School of Public Health
 - Deborah Proctor, ToxStrategies, on behalf of Electric Power Research Institute

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Wednesday, June 25, 2014 (continued)

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

Facilitated discussion of science issue with all attendees, including:

- Max Costa, New York University Medical Center (via telephone)
- Deborah Proctor, ToxStrategies, on behalf of Electric Power Research Institute
- Mina Suh, ToxStrategies
- Chad Thompson, 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, 2014

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:

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

Science issue 2: Risk-of-bias approach

Facilitated discussion of science issue with all attendees, including:

- Barbara Beck, Gradient Corp
- Nancy Beck, American Chemistry Council (via telephone)
- Samuel Cohen, University of Nebraska Medical Center
- Max Costa, New York University Medical Center (via telephone)
- Chuck Elkins, Chuck Elkins & Associates
- Liz Geltman, City University of New York School of Public Health
- Juleen Lam, Johns Hopkins University
- Steven Lamm, Consultants in Epidemiology & Occupational Health and Appalachian Research Initiative for Environmental Sciences
- Jennifer McPartland, Environmental Defense Fund
- Patrice Sutton, University of California San Francisco (via telephone)
- Joyce Tsuji, Exponent Inc, on behalf of Rio Tinto

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- Kimberly Wise, American Chemistry Council
- Tracey Woodruff, University of California San Francisco (via telephone)

Thursday, June 26, 2014 (continued)

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:

- Barbara Beck, Gradient Corp
- Nancy Beck, American Chemistry Council (via telephone)
- Samuel Cohen, University of Nebraska Medical Center
- Max Costa, New York University Medical Center (via telephone)
- Juleen Lam, Johns Hopkins University
- Steven Lamm, Consultants in Epidemiology & Occupational Health and Appalachian Research Initiative for Environmental Sciences
- Joyce Tsuji, Exponent Inc, on behalf of Rio Tinto
- Tracey Woodruff, University of California San Francisco (via telephone)
- Kimberly Wise, American Chemistry Council

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:

- Barbara Beck, Gradient Corp
- Samuel Cohen, University of Nebraska Medical Center
- Max Costa, New York University Medical Center (via telephone)
- Steven Lamm, Consultants in Epidemiology & Occupational Health and Appalachian Research Initiative for Environmental Sciences
- Joyce Tsuji, Exponent Inc, on behalf of Rio Tinto
- Kimberly Wise, American Chemistry Council

Science issue 5: Upstream biological events for clinical disease endpoints

Facilitated discussion of science issue with all attendees, including:

- Barbara Beck, Gradient Corp
- Samuel Cohen, University of Nebraska Medical Center
- Max Costa, New York University Medical Center (via telephone)
- Joyce Tsuji, Exponent Inc, on behalf of Rio Tinto

5:00 pm Adjourn for the day

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Friday, June 27, 2014

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:

- Barbara Beck, Gradient Corp
- Nancy Beck, American Chemistry Council (via telephone)
- Samuel Cohen, University of Nebraska Medical Center
- Max Costa, New York University Medical Center (via telephone)
- Robinan Gentry, Environ Corp, on behalf of Electric Power Research Institute
- Jennifer McPartland, Environmental Defense Fund
- Kimberly Wise, American Chemistry Council

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

Facilitated discussion of science issue with all attendees, including:

- Barbara Beck, Gradient Corp
- Samuel Cohen, University of Nebraska Medical Center
- Max Costa, New York University Medical Center (via telephone)
- John DeSesso, Exponent Inc, on behalf of Arsenic Science Task Force

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:

- Barbara Beck, Gradient Corp
- Steven Lamm, Consultants in Epidemiology & Occupational Health and Appalachian Research Initiative for Environmental Sciences

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 self reported.