

October 10 – 12, 2000
Sheraton Imperial Hotel and Convention Center
Research Triangle Park, North Carolina



Organized by the
National Institute of Environmental Health Sciences, NIH
National Toxicology Program



Sponsored by the
U.S. Environmental Protection Agency

and the

National Institute of Environmental Health Sciences, NIH
National Toxicology Program

Overview - The goals of this peer review are to review the scientific evidence related to the low-dose effects of endocrine disruptors and to consider their implications for the development, validation, and interpretation of test protocols for reproductive and developmental toxicity. For this meeting, “low-dose effects” refer to biological changes that occur at environmentally relevant exposure levels or at doses that are lower than those typically used in the U.S. EPA’s standard toxicity testing paradigm. The intent is to examine data from major selected studies (excluding studies on dioxin and dioxin-like compounds) supporting the presence or absence of low-dose effects for humans. A main topic to be addressed is defining the shape of the dose-response curves for endocrine-active substances in the low-dose region. The analysis and evaluation will be accomplished during this three-day scientific peer review that includes plenary sessions and several subpanel meetings.

Endocrine Disruptors Low-Dose Peer Review - SubPanels

Bisphenol A

Chair: **George Stancel**, University of Texas at Houston

Rapporteur: **Gail Prins**, University of Illinois at Chicago

Facilitator: **Penelope Fenner-Crisp**, U.S. EPA

Panelists: **Ralph Cooper**, U.S. EPA; **Warren Foster**, Health Canada; **Jun Kanno**, National Institute of Health Sciences-Japan; **John Faust**, California-EPA

Other Environmental Estrogens and Estradiol

Chair: **Michael Gallo**, UMDNJ-Robert Wood Johnson Medical School

Rapporteur: **Kenneth Reuhl**, Rutgers University

Facilitator: **Lynn Goldman**, Johns Hopkins University School of Public Health

Panelists: **Mari Golub**, California-EPA; **Claude Hughes**, UCLA School of Medicine; **Richard Lyttle**, Wyeth-Ayerst Research; **Lynne McGrath**, Schering-Plough Research Institute; **Patricia Whitten**, Emory University

Androgens and Anti-Androgens

Chair: **Shuk-Mei Ho**, University of Massachusetts Medical School

Rapporteur: **Terry Brown**, Johns Hopkins University School of Public Health

Facilitator: **Eisuke Muro**, National Institute for Occupational Safety and Health

Panelists: **George Daston**, The Procter & Gamble Company; **Mitch Eddy**, NIEHS; **Lorenz Rhomberg**, Gradient Corporation; **Elizabeth Wilson**, University of North Carolina at Chapel Hill

Biological Factors and Study Design

Chair: **John Moore**, Sciences International, Inc.

Rapporteur: **Julian Leakey**, National Center for Toxicological Research

Facilitator: **William Allaben**, National Center for Toxicological Research

Panelists: **Sue Barlow**, Consultant; **Paul Foster**, Chemical Industry Institute of Toxicology; **Robert Luebke**, U.S. EPA; **Robert Maronpot**, NIEHS; **Cory Teuscher**, University of Illinois at Urbana-Champaign

¹Statistics and Dose-Response Modeling

Co-Chair (statistics): **Joseph Haseman**, NIEHS

Panelists: **John Bailer**, Miami University of Ohio; **Ralph Kodell**, National Center for Toxicological Research; **Richard Morris**, Analytical Sciences, Inc.; **Kenneth Portier**, University of Florida

Co-Chair (modeling): **Michael Kohn**, NIEHS

Panelists: **Hugh Barton**, U.S. EPA; **Jim Cogliano**, U.S. EPA; **Rory Conolly**, Chemical Industry Institute of Toxicology; **Robert Delongchamp**, National Center for Toxicological Research

¹ Members of the Statistics and Dose-Response Modeling Subpanel will participate in other subpanels during the peer review.

AGENDA - continued

8:00 PM

Subpanels: Initial Meeting

- | | |
|--|--------------------|
| 1. Bisphenol A | (Bull Durham Room) |
| 2. Other Environmental Estrogens and Estradiol | (Royal A) |
| 3. Androgens and Anti-Androgens | (Crown B) |
| 4. Biological Factors and Study Design | (Royal B) |

Wednesday, October 11, 2000

8:30 AM - 5:00 PM

Subpanel Meetings

- | | |
|--|------------|
| 1. Bisphenol A | (Empire C) |
| 2. Other Environmental Estrogens and Estradiol | (Empire D) |
| 3. Androgens and Anti-Androgens | (Empire A) |
| 4. Biological Factors and Study Design | (Empire E) |

10:00 AM

Break

12:00 PM

Lunch

2:30 PM

Break

Thursday, October 12, 2000

8:30 AM

Subpanel Meetings

- | | |
|--|----------------|
| 1. Bisphenol A | (Imperial I) |
| 2. Other Environmental Estrogens and Estradiol | (Imperial II) |
| 3. Androgens and Anti-Androgens | (Imperial VI) |
| 4. Biological Factors and Study Design | (Imperial VII) |

10:00 AM

Break

10:30 AM

Presentation and Discussion of Subpanel Reports (Empire DE)

*Moderators - George Lucier, NIEHS and
Lynn Goldman, Johns Hopkins University
School of Public Health*

12:00 PM

Lunch

1:00 PM

Presentation and Discussion of Subpanel Reports (*continued*)

2:30 PM

Break

3:00 PM

Presentation and Discussion of Subpanel Reports (*continued*)

5:00 PM

Closing Remarks

*Penelope Fenner-Crisp, U.S. EPA
Christopher Portier, NIEHS*

Scientific Organizing Committee

William Allaben, NCTR
Christopher De Rosa, ATSDR
Penelope Fenner-Crisp, U.S. EPA
Lynn Goldman, Johns Hopkins University School of Public Health
Sandra Inkster, U.S. Consumer Product Safety Commission
Jim Kariya, U.S. EPA

Robert Kavlock, U.S. EPA
George Lucier, NIEHS
Ronald Melnick, NIEHS
Eisuke Muroso, NIOSH
Mary Wolfe, NIEHS

NIEHS Conference Support Staff

Roxanne Hall (Lead Coordinator)

Angie Sanders

Alma Britton

