Inhalant Abuse Among Children and Adolescents: Consultation on Building an International Research Agenda

National Institute on Drug Abuse/Fogarty International Center

AGENDA

Monday, November 7, 2005

9:00 a.m. Welcome and Introductions
Kathleen Michels, John E. Fogarty International Center
Steven W. Gust, National Institute on Drug Abuse
Sharon Hrynkow, John E. Fogarty International Center
Timothy P. Condon, National Institute on Drug Abuse
Laura E. Commanda, Institute of Aboriginal Peoples’ Health, Canada
José Ángel Prado García, Consejo Nacional Contra las Adicciones, Mexico

9:20 a.m. Objectives: Assessing the Problem, Setting the Agenda
Steven W. Gust, National Institute on Drug Abuse
Kathleen Michels, John E. Fogarty International Center

9:30 a.m. Keynote Presentation:
The Public Health Impact of Inhalant Abuse
Robert L. Balster, Virginia Commonwealth University

10:15 a.m. Break

10:45 a.m. World Reports: Epidemiology of Inhalant Abuse
Section I
MODERATORS/FACILITATORS:
Wilson Compton, National Institute on Drug Abuse
Laura E. Commanda, Institute of Aboriginal Peoples’ Health, Canada

PRESENTATIONS:
10:50 a.m. Epidemiology of Inhalant Abuse in Mexico:
Impact on Public Health
María Elena Medina-Mora, Mexican Institute of Psychiatry

11:15 a.m. What the Data Tell Us about Solvent Abuse in Canada
Colleen Anne Dell, Canadian Centre on Substance Abuse

11:35 a.m. Epidemiology of Inhalant Use in the United States:
Correlates and Consequences
Li-Tzy Wu, Duke University School of Medicine

12:15 p.m. Lunch

1:30 p.m. Special Reading from “An Ex-Mas Feast” and Commentary
Uwem Akpan, University of Michigan
Monday, November 7, 2005 (continued)

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| 2:00 p.m. | World Reports: Epidemiology of Inhalant Abuse | Section II  
MODERATORS/FACILITATORS:  
Moira O’Brien, National Institute on Drug Abuse  
Lourdes Schnaas, Instituto Nacional de Perinatología, Mexico  

PRESENTATIONS:  
2:05 p.m.  
**Inhalant Abuse among Juvenile Delinquents in the United States**  
Matthew O. Howard, University of Michigan  
2:35 p.m.  
**Summary of Russian Regional Data on Inhalants**  
Edwin Zvartau, Pavlov State Medical University  
3:05 p.m.  
**Epidemiology of Inhalants in Peru**  
Inés Verónica Bustamante, Universidad Peruana Cayetano Heredia  
3:35 p.m.  
**Isolating Precursors from Consequences of Inhalant Use**  
Diana Fishbein, Research Triangle Institute-International  
4:00 p.m.  
**Discussion of Knowledge Gaps and Research Needs**  
5:00 p.m.  
**Adjourn** |

Tuesday, November 8, 2005

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<td>8:45 a.m.</td>
<td>Welcome</td>
<td>Steven W. Gust, National Institute on Drug Abuse</td>
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| 9:00 a.m. | Impact of Inhalants on the Brain: Neuroscience and Clinical Research | Section III  
MODERATORS/FACILITATORS:  
David Shurtleff, National Institute on Drug Abuse  
Richard Brière, Institute of Neurosciences, Mental Health and Addiction, Canada  

PRESENTATIONS:  
9:10 a.m.  
**Solvents and Ethanol: More Alike Than We Thought**  
Silvia L. Cruz, Department of Pharmacobiology, Cinvestav  
9:40 a.m.  
**Comparing Effects of Nitrous Oxide to Various Anesthetics and Alcohol**  
Diana J. Walker, The University of Chicago  
10:05 a.m.  
**Novel Cellular Targets for the Effects of Abused Solvents**  
John J. Woodward, Medical University of South Carolina  
10:30 a.m.  
**Break** |
10:50 a.m. Recent Imaging Approaches to Studying Pharmacokinetics of Solvents  
Stephen L. Dewey, Brookhaven National Laboratory

11:15 a.m. Early Research and New Opportunities for Neuroscience and Clinical Research at the Mexican National Institute on Psychiatry  
Jorge González Olvera, Mexican Institute of Psychiatry

11:45 am Discussion of Knowledge Gaps and Research Needs

12:15 p.m. Lunch

1:30 p.m. Impact of Inhalants on the Brain: Neuroscience and Clinical Research Section IV  
MODERATORS/FACILITATORS:  
Charles Sharp, National Institute on Drug Abuse  
Silvia L. Cruz, Department of Pharmacobiology, Cinvestav

PRESENTATIONS:  
1:35 p.m. Fetal and Neonatal Effects of Inhalant Abuse  
Milton Tenenbein, University of Manitoba

2:05 p.m. Animal Models for Assessing the Effects of Maternal Inhalant Abuse  
Scott Earl Bowen, Wayne State University

2:35 p.m. Break

3:00 p.m. Inhalant Abuse and Related Toxicity: The Philippine Experience  
Irma Makalinao, University of the Philippines

3:30 p.m. Pharmacologic Quagmire  
Charles Sharp, National Institute on Drug Abuse

4:00 p.m. Discussion of Knowledge Gaps and Research Needs

5:00 p.m. Adjourn

Wednesday, November 9, 2005

8:45 a.m. Welcome  
Patricia Needle, Consultant, National Institute on Drug Abuse
9:00 a.m. **Inhalant Abuse: Interventions for Prevention and Treatment**  
**Section V**  
**MODERATORS/FACILITATORS:**  
Patricia Needle, Consultant, National Institute on Drug Abuse  
Colleen Anne Dell, Canadian Centre on Substance Abuse  

**PRESENTATIONS:**  
9:05 a.m. **Issues on Developing Prevention Interventions**  
Harvey Weiss, National Inhalant Prevention Coalition  

9:20 a.m. **Issues on Developing Treatment Interventions**  
Debra Dell, Youth Solvent Addiction Committee  

9:35 a.m. **The Work of Friends International in Cambodia**  
*From Mainstream to Gateway: Inhalants among Cambodian Street Children*  
Sebastien Marot, Friends International  

10:00 a.m. **Inhalant Abuse by Street Children in Brazil: Causes and Consequences**  
Helena Maria Tannhauser Barros, Fundação Faculdade Federal de Ciências Médicas  

10:25 a.m. Break  

10:45 a.m. **Glues or Paint Thinner: Understanding the Nature and Extent of Inhalant Use in Turkey**  
Kültegin Ögel, Bakirkoy State Hospital  

11:10 a.m. **Lessons from the Validation of Multisystemic Therapy (MST) for Substance-Abusing Adolescents**  
Scott Henggeler, Medical University of South Carolina  

11:35 a.m. **Finding Answers from Within: Interventions with Aboriginal Young People and Their Families**  
Grant Charles, University of British Columbia  

11:50 a.m. **Impact of Inhalant Use in Venezuela**  
Elvia Amesty, José Félix Ribas Foundation  

12:00 p.m. Discussion of Knowledge Gaps and Research Needs  

1:00 p.m. Lunch
2:00 p.m. **Reformulation of Products with Abuse Liability:**
*Industry Responses to Research*

**MODERATOR:**
Robert L. Balster, Virginia Commonwealth University

**PRESENTATIONS:**
2:10 p.m. **Abuse Liability**
Scott Earl Bowen, Wayne State University

2:30 p.m. **Industry Response to Research**
Edwin Zvartau, Pavlov State Medical University

3:00 p.m. **Research Funding Opportunities**

**MODERATORS:**
Steven W. Gust, National Institute on Drug Abuse
Kathleen Barros, John E. Fogarty International Center

**PRESENTATIONS:**
3:00 p.m. **CANADA**
Richard Brière, Institute of Neurosciences, Mental Health and Addiction

3:20 p.m. **UNITED STATES**
David Shurtleff, National Institute on Drug Abuse

3:40 p.m. **MEXICO**
José Ángel Prado García, Consejo Nacional Contra las Adicciones

4:00 p.m. **Closing Remarks and Summary**
Steven W. Gust, National Institute on Drug Abuse
Kathleen Michels, John E. Fogarty International Center

4:15 p.m. **Adjourn**