



NEW AND EMERGING  
PSYCHOACTIVE  
SUBSTANCES: SECOND  
INTERDISCIPLINARY FORUM

2012 NIDA INTERNATIONAL FORUM

JUNE 8–11, 2012 | PALM SPRINGS, CALIFORNIA

AGENDA

NIDA   
International Program



European Monitoring Centre  
for Drugs and Drug Addiction

## Welcome to the 17th Annual NIDA International Forum

The National Institute on Drug Abuse (NIDA) International Program created this meeting to promote and sustain productive scientific partnerships across geographic borders and scientific disciplines. One of the most satisfying parts of each NIDA International Forum is observing how participants take advantage of this opportunity to develop innovative research projects that demonstrate how individuals from diverse settings can successfully join forces to find evidence-based solutions to the international public health problems of drug abuse and addiction.

This year, the NIDA International Program also has been building partnerships, and we thank our new partners for their support. The 2012 Forum theme, *New and Emerging Psychoactive Substances: Second Interdisciplinary Forum*, grew out of our partnership with the European Monitoring Centre for Drugs and Drug Addiction (EMCDDA) and the NIDA Division of Epidemiology, Services and Prevention Research (DESPR). We especially wish to acknowledge the efforts of Moira O'Brien of DESPR and Paul Griffiths and Roumen Sedefov of EMCDDA in planning the meeting.

EMCDDA, DESPR, the NIDA Office of Science Policy and Communications, and the Institute's Asian American/Pacific Islander Researchers and Scholars Work Group provided additional financial support for the 2012 NIDA International Forum. We thank Paul Griffiths, Wilson Compton, Susan Weiss, and Betty Tai, respectively, for their invaluable assistance.

The NIDA International Program and our partners are pleased to have this opportunity to focus on new and emerging substances while showcasing your drug abuse research. We note both the quality of the science presented here and the important role the international community plays in drug abuse research.



Steven W. Gust, Ph.D.  
Director, International Program  
National Institute on Drug Abuse



European Monitoring Centre  
for Drugs and Drug Addiction

U.S. Department of Health and Human Services  
National Institutes of Health

**NIDA** NATIONAL INSTITUTE  
ON DRUG ABUSE

NIH... Turning Discovery Into Health



# 2012 NIDA INTERNATIONAL FORUM

## NEW AND EMERGING PSYCHOACTIVE SUBSTANCES: SECOND INTERDISCIPLINARY FORUM



### Program At a Glance

FRIDAY, JUNE 8, 2012		
2:30 p.m. – 7:30 p.m.	<b>Registration and Information</b>	<i>Flores Foyer</i>
3:30 p.m. – 6:00 p.m.	<b>Workshop</b> ❖ Community Epidemiology Work Group (CEWG) and Network-Based Models for Monitoring Drug Abuse Trends	<i>Flores 6</i>
6:15 p.m. – 8:00 p.m.	<b>NIDA International Fellowship Programs Alumni Meeting</b>	<i>Flores 5</i>
SATURDAY, JUNE 9, 2012		
7:30 a.m. – 4:30 p.m.	<b>Registration and Information</b>	<i>Flores Foyer</i>
8:30 a.m. – 12:15 p.m.	<b>Plenary Session</b> ❖ Welcoming Remarks ❖ Current U.S. Strategy for Addressing Drug Abuse ❖ New Psychoactive Substances—A Growing Challenge for Drug Policy and Practice ❖ Capturing Emerging Synthetic Drug Trends in the United States: From the Border to the Controlled Substances Act ❖ New and Emerging Psychoactive Substances: Effects, Mechanisms of Action, and Detection ❖ ISAJE/WHO Young Scholars Award ❖ 2012 NIDA International Awards of Excellence	<i>Flores 5</i>
12:15 p.m. – 1:15 p.m.	<b>Lunch (On Your Own)</b>	
1:15 p.m. – 2:45 p.m.	Concurrent Breakout Sessions	
	❖ International Research Reports <i>Flores 6</i>	❖ New and Emerging Psychoactive Substances: Global Updates <i>Flores 7</i>
3:00 p.m. – 4:30 p.m.	❖ New and Emerging Psychoactive Substances: Implications for Prevention and Treatment <i>Flores 6</i>	❖ Drugged Driving: Patterns, Impairment, and Policy Responses <i>Flores 7</i>
MONDAY, JUNE 11, 2012		
8:00 p.m. – 10:00 p.m.	<b>Joint NIDA International Forum and CPDD Workshop</b> ❖ International Research Posters	<i>Capra Ballroom</i>
TUESDAY, JUNE 12, 2012		
5:00 p.m. – 8:00 p.m.	<b>Work Group Symposium and Networking</b> ❖ Chinese and Global Health	<i>The Studios</i>



# 2012 NIDA INTERNATIONAL FORUM

## NEW AND EMERGING PSYCHOACTIVE SUBSTANCES: SECOND INTERDISCIPLINARY FORUM\*

Friday, June 8, 2012

2:30 p.m. – 7:30 p.m.	<b>Registration and Information</b>	<i>Flores Foyer</i>
3:30 p.m. – 6:00 p.m.	<b>Workshop: Community Epidemiology Work Group (CEWG) and Network-Based Models for Monitoring Drug Abuse Trends</b> The CEWG and other drug abuse epidemiology networks link areas at the community, state, national, and/or regional levels, optimizing existing data as drug “indicators” and periodically convening to examine data and trends across areas. This workshop aims to provide practical information and examples regarding: (1) establishing, operating, and maintaining networks; (2) adapting to address new/emerging drugs, issues, and technologies; and (3) using network information. <i>Chair: Moira O’Brien, Division of Epidemiology Services and Prevention Research (DESPR), NIDA</i> <b>The Community Epidemiology Work Group Model: Assessing Drug Abuse Within and Across Communities</b> ❖ Moira O’Brien, <i>DESPR, NIDA</i> <b>Keeping Ahead of the Curve: Tracking Emerging Drug Issues in Texas</b> ❖ Jane C. Maxwell, <i>The University of Texas at Austin</i> <b>Enhancing Community Perspectives on Drug Abuse Through Novel Technologies in Seattle/King County</b> ❖ Caleb Banta-Green, <i>University of Washington</i> <b>Applying Drug Abuse Work Group Findings to Information for Action in South Florida</b> ❖ James N. Hall, <i>Nova Southeastern University</i> <b>Developing National Drug Information Systems: An International Perspective</b> ❖ Marya Hynes, <i>Inter-American Drug Abuse Control Commission (CICAD)</i> <b>Development and Progress of a Community Epidemiology Work Group in Iraq</b> ❖ Jawad Al-Diwan, <i>Baghdad University College of Medicine</i> <b>Networks Need Nurturing: Lessons Learnt From Developing Local, National, and European Drug Information Networks in Europe</b> ❖ Jane Mounteney, <i>EMCDDA</i> ❖ Paul Griffiths, <i>EMCDDA</i>	<i>Flores 6</i>

\* The First International Multidisciplinary Forum on New Drugs was held May 11–12, 2011, in Lisbon, Portugal, and hosted by the European Monitoring Centre for Drugs and Drug Addiction (EMCDDA). This Second Interdisciplinary Forum is co-sponsored by EMCDDA and NIDA.

**6:00 p.m. – 6:15 p.m.**

**Break**

**6:15 p.m. – 8:00 p.m.**

**NIDA International Fellowship Programs  
Alumni Meeting**

*Flores 5*

Co-Chairs: J. Randy Koch, *Virginia Commonwealth University*  
Dale Weiss, *International Program, NIDA*

**Opportunities for International Collaboration in Genetics and  
Drug Abuse Research**

❖ Joni Rutter, *Division of Basic Neuroscience and  
Behavioral Research, NIDA*

**An Open Access Research Guide to Drug and Alcohol Studies:  
Supporting Information Needs in Developing Nations**

❖ Nita Bryant, *Virginia Commonwealth University*  
❖ Kim Brady, *Virginia Commonwealth University*

**International Society of Addiction Journal Editors (ISAJE)  
Writing Mentor Program**

❖ Peter M. Miller, *Medical University of South Carolina*

**Fellowship Recruitment Discussion**

❖ Lauren Stewart, *Institute of International Education*

# Saturday, June 9, 2012

## NIDA International Forum: Symposium

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7:30 a.m. – 4:30 p.m.	<b>Registration and Information</b>	<i>Flores Foyer</i>
8:30 a.m. – 12:00 p.m.	<b>Plenary Session</b>	<i>Flores 5</i>
8:30 a.m. – 8:40 a.m.	<b>Welcoming Remarks</b> National Institute on Drug Abuse (NIDA) International Program ❖ Steven W. Gust, <i>Director, International Program, NIDA</i>  College on Problems of Drug Dependence (CPDD) ❖ Jan Copeland, <i>Chair, CPDD International Committee, and University of New South Wales, Australia</i>	
8:40 a.m. – 9:05 am	<b>Current U.S. Strategy for Addressing Drug Abuse</b> ❖ Cecelia McNamara Spitznas, <i>Office of National Drug Control Policy</i>	
9:05 a.m. – 9:45 a.m.	<b>New Psychoactive Substances—A Growing Challenge for Drug Policy and Practice</b> ❖ Paul Griffiths, <i>EMCDDA</i>	
9:45 a.m. – 10:10 a.m.	<b>Capturing Emerging Synthetic Drug Trends in the United States: From the Border to the Controlled Substances Act</b> ❖ Michelle D. Walker, <i>Drug Enforcement Administration</i>	
10:10 a.m. – 10:30 a.m.	<b>Break</b>	
10:30 a.m. – 12:00 p.m.	<b>New and Emerging Psychoactive Substances: Effects, Mechanisms of Action, and Detection</b> The synthetic drug market is extraordinarily dynamic, with new substances replacing known compounds in a product almost as soon as the first compounds are identified. The presenters will discuss the latest research findings on detecting new compounds, assessing their effects, and monitoring use trends. <i>Chair:</i> David Shurtleff, <i>Acting Deputy Director, NIDA</i>  <b>Synthetic Cannabinoid Receptor Agonists: Methods of Detection and Current Knowledge on Toxicity</b> ❖ Volker Auwaerter, <i>University Medical Center Freiburg, Germany</i>  <b>Pharmacology of “Bath Salts” and Related Designer Drugs</b> ❖ Michael Baumann, <i>Intramural Research Program, NIDA</i>  <b>Testing Strategies To Monitor Novel/Emerging Designer Drug Use in At-Risk Populations</b> ❖ Barry Logan, <i>National Medical Services Labs, Inc.</i>	

12:00 p.m. – 12:15 p.m.

## ISAJE/WHO Young Scholars Award

2010 Award Winner

- ❖ Zhenyu Ren, *Peking University, China*

## 2012 NIDA International Awards of Excellence

Mentoring

- ❖ Clyde B. McCoy, *University of Miami Miller School of Medicine*

International Leadership

- ❖ Paul Griffiths, *EMCDDA*

12:15 p.m. – 1:15 p.m.

## Lunch (On Your Own)

1:15 p.m. – 2:45 p.m.

## Concurrent Breakout Sessions

### BREAKOUT #1

### INTERNATIONAL RESEARCH REPORTS

Flores 6

Presenters will discuss their recent research results on using electronic media to track drug use trends, assessing the prevalence of prescription drug misuse among adolescents, treating opioid dependence with naltrexone or buprenorphine, instituting drug courts, and identifying factors that inhibit injection drug users from participating in voluntary HIV testing.

**Chair:** Susan Weiss, *Office of Science Policy and Communications, NIDA*

#### Naltrexone for Opioid Dependence: Oral, Implantable, and Injectable

- ❖ Evgeny Krupitsky, *St. Petersburg Bekhterev Research Psychoneurological Institute and St. Petersburg State Pavlov Medical University, Russia*

#### Nonmedical Use of Prescription Drugs Among School Adolescents in Bogota, Colombia

- ❖ Catalina Lopez Quintero, *Hebrew University, Israel*

#### Opioid Use and Retention Outcomes Following 16 Weeks of Buprenorphine for Prescription Opioid and Heroin Users

- ❖ Suzanne Nielsen, *University of Sydney, Australia*

#### Text Messages as a New Tool for Indirect Estimates of Emerging Patterns of Drugs of Abuse

- ❖ Hamed Ekhtiari, *Institute for Cognitive Science Studies, Iran*

#### A Mixed-Methods Approach To Identifying Factors Related to Voluntary HIV Testing Among Injection Drug Users in Shanghai, China

- ❖ Jiang Du, *Shanghai Mental Health Center, China*

#### Therapeutic Justice in São Paulo City, Brazil: Analysis of Results From 2009

- ❖ Mario Sobrinho, *Public Ministry of São Paulo, Brazil*



## BREAKOUT #2

### NEW AND EMERGING PSYCHOACTIVE SUBSTANCES: GLOBAL UPDATES

Flores 7

Presenters will provide brief updates on the situation regarding new or emerging psychoactive substances (EPS) including the appearance and use of EPS; monitoring or early warning systems; and responses such as risk assessment, control, and changes in legislation.

Co-Chairs: Moira O'Brien, *DESPR, NIDA*  
Paul Griffiths, *EMCDDA*

#### Update—European Union: Is the Future Already Here?

❖ Roumen Sedefov, *EMCDDA*

#### Amphetamine-Type Drug Injectors in Post-Communist EurAsia: Different Drugs, Different Behaviors, Different Interventions?

❖ Tomas Zabransky, *Charles University in Prague, Czech Republic*

#### A Global Perspective From the United Nations Office on Drugs and Crime

❖ Beate Hammond, *United Nations Office on Drugs and Crime*

#### Assessing and Monitoring Emerging Drug Trends in Australia

❖ Michael Farrell, *National Drug and Alcohol Research Centre, Australia*

#### Changes in the Trends of the Abuse of Designer Drugs and Their Legal Status in Japan

❖ Ruri Kikura-Hanjiri, *National Institute of Health Sciences, Japan*

2:45 p.m. – 3:00 p.m.

### Break

3:00 p.m. – 4:30 p.m.

### Concurrent Breakout Sessions

## BREAKOUT #1

### NEW AND EMERGING PSYCHOACTIVE SUBSTANCES: IMPLICATIONS FOR PREVENTION AND TREATMENT

Flores 6

Case studies will be used to explore the challenges posed by emerging psychoactive substances (EPS) for intervention models. Discussions will consider both individual substances and the broader EPS phenomenon, and the implications for the treatment of acute toxicity and the prevention of use.

Co-Chairs: Roumen Sedefov, *EMCDDA*  
Wilson Compton, *DESPR, NIDA*

#### Presentations at Emergency Departments: Acute Toxicity and Interventions

❖ David Wood, *Guy's and St. Thomas' Hospital and King's Health Partners, London, and King's College London*

#### Synthetic Cannabinoids and Piperazines: Legal Ills

❖ Chris Rosenbaum, *University of Massachusetts Medical School*

#### New Drugs—New Prevention Strategies: The Polish Experience

❖ Artur Malczewski, *National Bureau for Drug Prevention, Poland*

**DRUGGED DRIVING: PATTERNS, IMPAIRMENT, AND POLICY RESPONSES**

Co-Chairs: Jan Copeland, University of New South Wales, Australia  
Flavio Pechansky, Federal University of Rio Grande do Sul, Brazil

This international group of presenters will explore cross-national patterns of drugged driving, issues in measurement and interpretation of drug impaired driving, the range of policy responses, and an exploration of the gaps in the relevant evidence base.

**Measurement and Interpretation of Drug-Impaired Driving**

❖ Anthony Liguori, *Wake Forest School of Medicine*

**Impairment Versus Presence of Substances in Drugged Driving Policy**

❖ Jørg Mørland, *Norwegian Institute for Public Health, Norway*

**North Versus South: Driving Under the Influence of Alcohol in Low- and Middle-Income Countries of Latin America**

❖ Flavio Pechansky, *Federal University of Rio Grande do Sul, Brazil*

**What We Do and Don't Know About Drugged Driving**

❖ Jane C. Maxwell, *The University of Texas at Austin*

**Monday, June 11, 2012****Joint NIDA International Forum and CPDD Workshop****8:00 p.m. – 10:00 p.m.****International Research Posters***Capra Ballroom*

Learn about research conducted outside of the United States and meet NIDA staff and colleagues from around the world at this CPDD Workshop and NIDA International Forum poster session.

**Tuesday, June 12, 2012****Chinese at CPDD Work Group Symposium****5:00 p.m. – 7:00 p.m.****Chinese and Global Health***The Studios*

Moderator: Yu (Woody) Lin, *Division of Clinical Neuroscience and Behavioral Research, NIDA*

Work Group Co-Chairs: Sulie L. Chang, *Seton Hall University*  
Ming D. Li, *University of Virginia*

**7:00 p.m. – 8:00 p.m.****Chinese at CPDD Networking***The Studios and Other Sites To Be Determined*