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Translational Reasoning and Psychopathology: Disease Pathways and Social Behaviors



Gray Weather, Grande Jatte – Georges Seurat, 1888

APPA

The American Psychopathological Association

The 96th Annual Meeting

March 2-4, 2006

The Crowne Plaza Hotel

Times Square

Manhattan, New York, NY

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University of Iowa

David Botstein, PhD
Princeton University

Robert Brooner, PhD
The Johns Hopkins University

Nancy J. Cox, PhD
University of Chicago

J. Raymond DePaulo, Jr., MD
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Scientific Program

A major question facing our field is how to translate research advances derived from genetic, behavioral, and environmental research into more effective treatment for our patients. The newest paradigm in biomedical investigation is called translational research. The mission of translational research is to translate basic science discoveries into clinical applications. At the 96th annual meeting we will discuss the application of the translational paradigm to the wide variety of disorders of mental life ranging from neurodegenerative disorders, to functional psychoses, substance abuse, eating disorders, and developmental disorders. The program also explores the pitfalls of “successful” translation with a session addressing neurodevelopmental disorders and neuroethics in the 21st Century.

The development of new models of care, derived from the discoveries about the pathogenesis of clinical disorders, will fundamentally change the way we think about our patients and practice our specialties. Translational research in disorders of mental life is multi-disciplinary, including molecular to social elements. It requires broad scientific thinking, pragmatic discipline, and, in the best of worlds, wisdom.

Thursday, March 2, 2006

8:30–9:15	Registration	
9:15–9:30	Welcome and Introduction <i>J. Raymond DePaulo, Jr., MD</i> <i>The Johns Hopkins University</i>	
9:30–9:45	Presentation and Acceptance of Robins-Guze Award <i>Thomas Schulze, MD</i> <i>Central Institute of Mental Health, Germany</i>	2:00–2:30

Session 1

	Translational Research in the Dementias: From Alzheimer's to Dementia Praecox <i>Chair: Jeffrey Lieberman, MD</i> <i>Columbia University</i>	2:30–2:40
		2:40–3:10
9:45–10:15	Translational Approaches to Neurodegenerative Disorders: Can They Help Advance Schizophrenia Research? <i>Christopher Ross, MD, PhD</i> <i>The Johns Hopkins University</i>	3:10–3:20
		3:20–3:40
10:15–10:25	Discussion	3:40–4:10
10:25–10:55	Biomarker Guided Treatment Trials in Dementias: The WHO, WHAT, WHEN, WHERE and WHY of Translational Treatment Studies <i>Constantine Lyketsos, MD, MHS</i> <i>The Johns Hopkins University</i>	4:10–4:20
		4:20–4:35
10:55–11:05	Discussion	5:30–7:30
11:05–11:25	Coffee Break	
11:25–11:55	Pathophysiology Research in Schizophrenia: Will it Translate into New Treatments? <i>David Lewis, MD</i> <i>University of Pittsburgh</i>	
11:55–12:05	Discussion	
12:05–12:20	Discussant and General Discussion	9:00–9:30
12:20–2:00	Lunch	

Session 2

Social and Molecular Interdependence: Translational Approaches to Addictive, Ingestive, and Social Behaviors <i>Chair: Michael Lyons, PhD</i> <i>Boston University</i>
How Molecular and Behavioral Translations Can Improve the Viability of Psychotherapy for Substance Abuse Disorders <i>Robert Brooner, PhD</i> <i>The Johns Hopkins University</i>

Discussion

Genes and Environment in the Determination of Body Weight <i>Rudolph Leibel, MD</i> <i>Columbia University</i>

Discussion

Coffee Break

Social Behavior: Molecular and Cellular Aspects <i>Thomas Insel, MD</i> <i>NIMH</i>
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Discussion

Discussant and General Discussion

Poster reception

Friday, March 3, 2006

Session 3

Finding Texts to Translate: Genetic Studies of Complex Disorders <i>Chair: Francis McMahon, MD</i> <i>NIMH</i>

Solving Complex Genetic Puzzles: Is Translation in Sight? <i>Nancy Cox, PhD</i> <i>University of Chicago</i>

9:30–9:40 **Discussion**

9:40–10:10 **Scanning for Copy Number Variation in Patients with Autism or Schizophrenia**
Michael Wigler, PhD
Cold Spring Harbor Laboratory

10:10–10:20 **Discussion**

10:20–10:40 Coffee Break

10:40–10:50 **Presentation of Joseph Zubin Award to: David Botstein, PhD**

10:50–11:20 **From Galton to Mendel and Back: Classification and Quantitative Reasoning**
David Botstein, PhD
Princeton University

11:20–11:30 **Discussion**

11:30–11:45 **Discussant and General Discussion**

11:45–12:15 **APPA Business Meeting (members only)**

12:15–2:00 Lunch

Session 4

Psychopathological States and Targets: Phenotypes, Endophenotypes, Precursors, & Proxies
Chair: Nancy Andreasen, MD, PhD
University of Iowa

2:00–2:05 **Presentation of Hamilton Award to: J. Raymond DePaulo, Jr., MD**

2:05–2:35 **Presidential Address: Familial Phenotyping in Bipolar Disorder**
J. Raymond DePaulo, Jr., MD
The Johns Hopkins University

2:35–2:45 **Discussion**

2:45–3:15 **Endophenotype: The Word and Strategies for Psychiatric Genetics**
Irving Gottesman, PhD
University of Minnesota

3:15–3:25 **Discussion**

3:25–3:45 Coffee Break

3:45–4:15 **Gene-Gene, Gene-Environment Interactions**
Shaun Purcell, PhD
Massachusetts General Hospital

4:15–4:25 **Discussion**

4:25–4:40 **Discussant and General Discussion**

Saturday, March 4, 2006

Session 5

Developmental Neurobiology: Translational Applications and Ethical Predicaments in Memory and Learning

Chair: William Safire
The Dana Foundation

9:00–9:30 **Molecular Basis of Memory: Enhancement Strategies**
Tim Tully, PhD
Cold Spring Harbor Laboratory

9:30–9:40 **Discussion**

9:40–10:00 Coffee Break

10:00–10:30 **ADHD: Have Brain Imaging and Genetic Studies Validated the Diagnosis?**

Judith Rapoport, MD
NIMH

10:30–10:40 **Discussion**

10:40–10:50 **Presentation of Hoch Award to: Paul McHugh, MD**

10:50–11:20 **Towards a Richer Bioethics: An Experience on the President's Council**
Paul McHugh, MD
The Johns Hopkins University

11:20–11:30 **Discussion**

11:30–11:50 **Discussant and General Discussion**

11:50 **Adjourn**