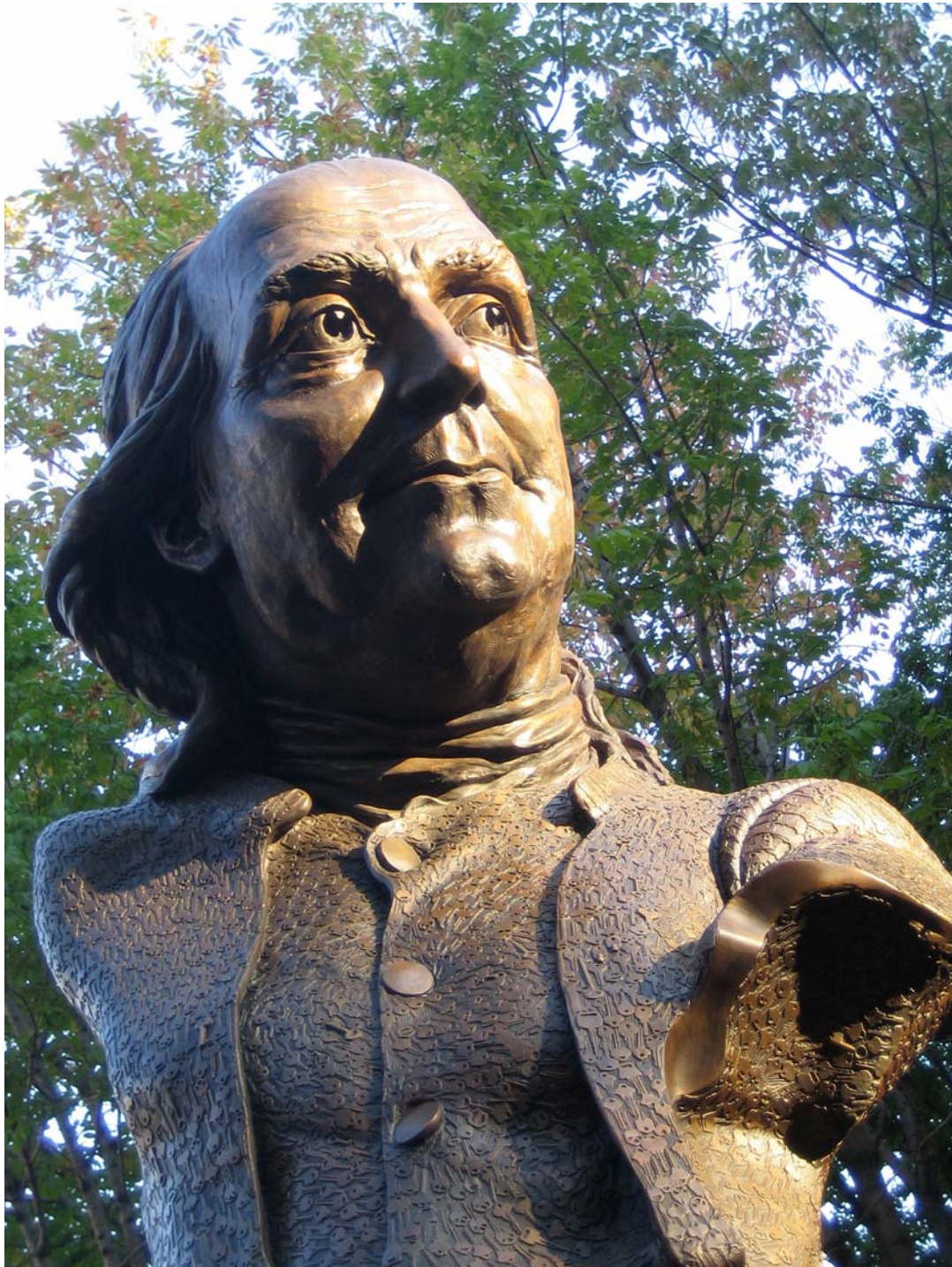


**8th Annual Scientific Meeting of the
International Society for Research on
Impulsivity**

May 2, 2012. Philadelphia, PA, USA



Scientific Meeting of the ISRI

May 2, 2012. Philadelphia, PA, USA

The objectives of the meeting are:

1. To bring together basic and clinical scientists working in the area of impulsivity to take the first step towards a **standardized translational toolbox of behavioral measures of impulsivity**. The focus of this meeting will be measures of rapid response impulsivity.
2. To encourage trainees and junior faculty to participate in the meeting and encourage their future participation in research on impulsivity in addictions.
3. To encourage increased participation of minority, disabled, and women scientists and clinicians in the area of impulsivity through participation in this meeting.
4. To disseminate proceedings of this meeting to include a **standardized translational toolbox of behavioral measures of rapid response impulsivity** in a peer-reviewed journal and on the web site of the society.

Organizing committee

F. Gerard Moeller, M.D., Catharine A. Winstanley, Ph.D., and Marc N. Potenza, M.D. Ph.D., (Co-Chairs); Alan C. Swann, M.D., Scott D. Lane, Ph.D., Charles Mathias, Ph.D.



Participating program faculty:

Noelle Anastasio, University of Texas Medical Branch
Luke Clark, University of Cambridge
Marilyn E. Carroll, University of Minnesota
Kathryn A. Cunningham; University of Texas Medical Branch
Harriett de Wit, University of Chicago
Anneke Goudriaan, University of Amsterdam
J. David Jentsch; University of California Los Angeles
Scott D. Lane, University of Texas Health Science Center Houston
Daeyeol Lee, Yale University School of Medicine
Carl W. Lejuez; University of Maryland
Charles W. Mathias; University of Texas Health Science Center San Antonio
F. Gerard Moeller, University of Texas Health Science Center Houston
Marc N. Potenza, Yale University School of Medicine
Trevor W. Robbins, University of Cambridge
Kenneth J. Sher, University of Missouri
Alan C. Swann, University of Texas Health Science Center Houston
Jane R. Taylor, Yale University School of Medicine

Final program**Philadelphia North/South at the Sheraton Philadelphia Downtown Hotel**

- I. **Introduction and overview of schedule:** F. Gerard Moeller (15) 7:45-8:00
- II. **Rapid Response Impulsivity:**
What is Rapid Response Impulsivity from a Preclinical Perspective? 8:00-9:00
 - a. 20 minute presentation by David Jentsch
 - b. 40 minute round table discussion with chaired by Kathryn Cunningham with Marilyn Carroll, David Jentsch, and Jane Taylor
- III. **Rapid response measures of impulsivity:**
What is Rapid Response Impulsivity from a Clinical Perspective? 9:10-10:00
 - a. 20 minute presentation by Harriet de Wit:
 - b. 40 minute round table discussion chaired by Marc Potenza, with Harriett de Wit, Daeyeol Lee, and Alan Swann

Break: 10:00-10:30

- IV. **Measurement Considerations When Using Performance Based Measures of Rapid Response Impulsivity:** 10:30-11:30:
 - a. 20 minute presentation by Charles Mathias
 - b. 40 minute round table discussion chaired by Carl Lejuez, with Anneke Goudrian, Scott Lane, Charles Mathias, and Ken Sher

11:30 Short Discussion and Break for Lunch

- V. **Workgroups:** 2:00-3:00
- Preclinical measurement of rapid response impulsivity workgroup chaired by Kathy Cunningham, Noelle Anastasio scribe.
 - Human behavioral laboratory measures workgroup chaired by Marc Potenza, Kristen Hamilton scribe.
 - Special populations measures workgroup chaired by Carl Lejuez, Andrew Littlefield scribe.
- 3:00-3:30 Break
- VI. **Report of workgroups to general session** Chaired by Trevor Robbins 3:30-5:00
- Preclinical measures workgroup: 3:30-3:50
 - Human behavioral laboratory measures workgroup: 4:00-4:20
 - Impulsivity in special populations workgroup: 4:30-4:50
- VII. **Summary** Trevor W. Robbins 4:50-5:00

Poster session: 5:00-6:30

Liberty/Freedom Ballroom (Posters can be put up after 3:00 p.m. on the day of the meeting)

Chaired by Noelle Anastasio

Self-reported impulsivity, but not behavioral choice or response impulsivity, partially mediates the effect of stress on drinking behavior

Kristen R. Hamilton¹, Emily B. Ansell¹, Brady Reynolds⁴, Marc N. Potenza^{1,2,3}, and Rajita Sinha^{1,2}
 Departments of Psychiatry¹, Child Study², and Neurobiology³, Yale School of Medicine; Department of Psychology⁴, Ohio State University

The relationship between working memory and different aspects of impulsive decision making in young adults

Tracey Ko¹, Kasama Phasukdam^{1,2}, Yingbo Wang¹, Bradley Conner², John Evenden¹
¹WiltonLogic LLC, Media, PA 19063, USA and ²Dept of Psychology, Temple University, Philadelphia, PA, USA

Investigating the D3 dopamine receptor and impulsive/compulsive behaviour across addicted cohorts with [11C]-(+)-PHNO PET

Payer D, Behzadi A, Zack M, Houle S, George T, Kish S, Boileau I
 Centre for Addiction and Mental Health, University of Toronto, Toronto, ON, Canada

Striatal Dopamine D2/D3 Receptor Binding in Pathological Gambling is Correlated with Mood-Related Impulsivity

Clark L¹, Stokes PR², Wu K², Michalczuk R¹, Benecke A, Watson BJ², Egerton A², Piccini P², Nutt D², Bowden-Jones H^{2,3}, Lingford-Hughes A²

¹ Department of Experimental Psychology, University of Cambridge, U.K.

² Division of Medicine, Hammersmith Hospital, Imperial College London, U.K.

³ National Problem Gambling Clinic, Central and North West London NHS Foundation Trust, U.K.

Stress Alters Response Impulsivity in Lewis and Fischer Rats

Kristen R. Hamiltona and Neil E. Grunbergb,c

aDepartment of Psychiatry, Yale University School of Medicine, 1 Church Street, New Haven CT, 06519, kristen.hamilton@yale.edu, phone: (203)737-6232, fax: (203)737-3591

bDepartment of Medical and Clinical Psychology, cProgram in Neuroscience, Uniformed Services University, 4301 Jones Bridge Road, Bethesda, MD 20814

Effects of response inhibition and stress on driving simulator performance (city and highway scenarios)

Melanie J. White; Ross McD. Young

School of Psychology and Counselling, and Institute of Health and Biomedical Innovation,
Queensland University of Technology

Individual Differences in inherent impulsivity tracks with cocaine-seeking behavior and serotonin (5-HT) 2c (5-HT_{2c}) receptor mRNA editing in the corticoaccumbens circuit

Noelle C. Anastasio¹, Robert G. Fox¹, Sonja J. Stutz¹, F. Gerard Moeller², Ronald B. Emeson³ and Kathryn A. Cunningham¹

¹Center for Addiction Research, Department of Pharmacology & Toxicology, UTMB, Galveston, TX,

²Department of Psychiatry & Behavioral Sciences, UTHSC, Houston, TX,

³Center for Molecular Neuroscience, Department of Pharmacology, Vanderbilt University, Nashville, TN

Effects of tobacco smoking, varenicline and repeated testing on the Iowa Gambling Task in smokers with and without schizophrenia

Victoria C. Wing, Caroline E. Wass, Tony P. George

Schizophrenia Program, Centre for Addiction and Mental Health (CAMH) & the Division of Brain & Therapeutics, Department of Psychiatry, University of Toronto, Toronto, ON, Canada.

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