
Thursday, October 3

Thursday, 9:00-9:05 AM

Grand Ballroom North

Opening Remarks

Margaret M. Bradley

University of Florida

Thursday, 9:05-10:00 AM

Grand Ballroom North

Invited Address

Genetic and environmental influences on human psychological traits: A sampler of findings and some arguments as to why they are important

Thomas J. Bouchard, Jr.

University of Minnesota

Chair: William G. Iacono

University of Minnesota

Thursday, 10:00-10:30 AM

Renaissance Ballroom Lobby

Coffee Break

Thursday, 10:30 AM-12:00 PM

Grand Ballroom North

Symposium 1

Genetic variation in brain function

Chair: Eco De Geus

Free University, Amsterdam

Genetic correlates of intelligence

Danielle Posthuma, Elles Mulder, &

Dorret Boomsma

Free University, Amsterdam

Genetic co-variation among ERP and performance measures of a working memory delayed-response task, information processing, and psychometric IQ

Narelle Hansell¹, Margie Wright¹, Gina Geffen², Laurie Geffen², & Nick Martin¹

¹*Queensland Institute of Medical Research,*

²*University of Queensland*

A behavior-genetic perspective on psychopathology: P300 amplitude as an endophenotype for substance abuse and related disorders in male and female adolescent twins

Stephen M. Malone, William G. Iacono,
& Matt McGue

University of Minnesota, Minneapolis

Genetically identical but cognitively different: Twins discordant for migraine

Elles Mulder, Danielle Posthuma, Dorret Boomsma, & Eco De Geus

Free University, Amsterdam

Discussant:

Eco de Geus

Free University, Amsterdam

Thursday, 10:30 AM-12:00 PM

Auditorium

Symposium 2

Probing the psychophysiology of positive emotion

Chair: Jack B. Nitschke

University of Wisconsin-Madison

FMRI characterization of a region of medial prefrontal cortex that tracks rewarding outcomes

Brian Knutson¹, Grace W. Fong²,
Shannon M. Bennett², Charles M.
Adams², & Daniel Hommer²

¹*Stanford University*, ²*National Institute on
Alcohol Abuse and Alcoholism*

The role of human orbitofrontal cortex in representing stimulus-reward value

John O'Doherty

University College London

Neural circuitry in positive emotion: Maternal love and well-being

Jack B. Nitschke, Heather L. Urry, Eric
E. Nelson, & Richard J. Davidson

University of Wisconsin-Madison

Is well-being protective?: Links between eudaimonic and hedonic well-being and allostatic load

Carol D. Ryff¹ & Burt D. Singer²

¹*University of Wisconsin-Madison*,

²*Princeton University*

Discussant:

Daniel S. Pine

National Institute of Mental Health

Thursday, 12:00-2:00 PM

Lunch (on your own)

Thursday, 2:00-3:30 PM

Grand Ballroom North

Symposium 3

Applications of affective startle modulation in the understanding of psychopathology

Chair: Diane C. Gooding

University of Wisconsin-Madison

The effects of mood induction on startle modulation by social threat in individuals with and without a history of depression

Nicholas B. Allen & Patricia Di Parsia

University of Melbourne

Psychopathy and emotion-modulated startle in a young adult community sample

Stephen Benning, Christopher J. Patrick, Stephen M. Malone, Edward Bernat, & William G. Iacono

University of Minnesota

Affective modulation of blink startle in psychiatric outpatients and normal controls

Diane C. Gooding, Richard J. Davidson, Kathleen A. Tallent, & Rodney K. Miller

University of Wisconsin-Madison

Startle, anxiety, context, and predictability

Christian Grillon

National Institute of Mental Health

Discussant:

Bruce N. Cuthbert

National Institute of Mental Health

Thursday, 2:00-3:30 PM

Auditorium

Paper Session 1

Baroreceptors, heart rate variability, and cognition

Chair: J. Richard Jennings

University of Pittsburgh

Baroreceptor stimulation is associated with impaired performance on simple cognitive tests

Jesse C. Stewart, Christopher R. France,

Laura C. Fox, & Julie Suhr

Ohio University

Differential analysis of the baroreceptor cardiac reflex as a function of sequence length

J.A. Hernández & G.A. Reyes del Paso

University of Jaén

On the ambiguity of high-frequency heart-rate variability (respiratory sinus arrhythmia) as a measure of cardiac vagal tone during mental tasks: Further evidence of RSA as a respiratory rate- and volume-dependent phenomenon

Paul Grossman¹, Frank H. Wilhelm² & Cornelis Wientjes³

¹*Freiburg Institute for Mindfulness Research,*

²*Stanford University,* ³*TNO Institute for Perception*

Neuroplasticity of the baroreflex demonstrated by biofeedback training to increase heart rate variability amplitude

Paul Lehrer, Evgeny Vaschillo, Shou-En Lu, Bronya Vaschillo, Anthony Scardella, & Mahmood Siddique
UMDNJ - Robert W. Johnson Medical School

Activation of the medial prefrontal cortex correlates with changes in cardiac vagal activity

Peter J. Gianaros¹, Frederik M. Van der Veen², Carolyn C. Meltzer¹, Matthew F. Muldoon¹, Christopher M. Ryan¹, Julie C. Price¹, & J. Richard Jennings¹
¹University of Pittsburgh, ²Maastricht University

Thursday, 3:30-4:00 PM
Renaissance Ballroom Lobby

Coffee Break

Thursday, 4:00-5:00 PM
Grand Ballroom North

Invited Address**The genetics of schizophrenia are the genetics of prefrontal cortical function**

Daniel R. Weinberger
National Institute of Mental Health

Chair: Bruce N. Cuthbert
National Institute of Mental Health

Thursday, 5:00-8:00 PM

Dinner (on your own)

Thursday, 8:00-10:00 PM

Renaissance Ballroom

Poster Session I

Thursday, 10:00 PM

Polly Esther's

Student Social