

**SPR 15TH ANNUAL MEETING
PRECONFERENCE WORKSHOP #1
May 29, 2007
8:30 AM – 5:00 PM**

Title **Underlying Mechanisms in Liability for Dysregulatory Behaviors**

Presenters
8:30-10:30

Denni Fishbein (RTI International) – integrating genetics with neuroscience

Michael Vanyukov (University of Pittsburgh) – Phenogenetics of dysregulation

Jenae Neiderhiser (George Washington University) – GE correlation and novel approaches to twin/sibling research

Leslie Leve (Oregon Social Learning Center) – adoption research and GxE interaction

Morning Break
10:30-11:00

Presenters
11:00-12:30

Joan Kaufman (Yale University) – integrating molecular genetics with prevention

Sara Jaffee (University of Pennsylvania) – Multiple approaches to studying gene-environment interplay

Ken Dodge (Duke University) – interplay of biology & environment in predicting/prevention conduct disorder

Lunch on your own
12:30-1:30

Institute Presentations
1:30-3:00

Liz Ginexi (NIDA), Erica Spotts (NIA), Eve Moscicki (NIMH), Lisa Freund (NICHD), Marcia Scott (NIAAA), NCI, and NHLBI – relevance of genetics and prevention to NIH institutes

Afternoon Break
3:00-3:30

Open Discussion
3:30-5:00

Chairs

Jenae Neiderhiser, Ph.D.
Professor of Psychiatry & Behavioral Sciences
Center for Family Research
George Washington University
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Diana Fishbein, Ph.D.
Senior Fellow and Program Director
Transdisciplinary Behavioral Science Program
RTI International
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Description

Clarify how genetic and environmental factors operate together and to discuss the relevance of this to prevention research. Areas covered will be genetic influences (both molecular and quantitative) on relevant behaviors (endophenotypes), interplay of genes and the environment through correlation and interaction, changes in gene expression as a result of changes in the environment and vice versa, etc. The presentations will be focused on describing the methods and interpretation of findings in each area and not on presenting new research. Attendees should expect to actively participate throughout the day with the objective of having a better understanding of how to interpret and potentially use findings in these areas in their own work.

Career Level & Prerequisites

This workshop will be accessible to investigators with and without experience in genetics and neurobiology.

Methods

The workshop will be interactive, and there will be opportunity for participants to ask questions about incorporating these measures into their research.

Materials

Participants will receive a complete set of slides.