

Program

Events will be held in the Millennium Harvest Hotel Grand Ballroom unless indicated otherwise

Tuesday June 15

5:00-8:00PM Registration/Check-in

6:00-7:30PM Opening Reception

6:30-7:15PM Data Blitz presentation of the Trainee Travel Award Winners
Master of ceremonies:

Tad Pace (PhD, Asst Prof, Dept Psychiatry, Emory Univ)

Jom Hammack (PhD, Asst Prof, Dept Psychology, Univ Vermont)

Trainee Travel Award Winners: **Paula Brunton, Nirupa Goel, Willem Heyendael, Iliia Karatsoreos, Matia Solomon, Francesca Spiga, Natalie Tronson, Sarah Bagley, Chantelle Ferland, Evan Graf, Jan-Michael Heinzmann, Cara Hueston, Jordan Nechvatal, Laura Tan, Sara Taylor, Jaidee Zavala**

Wednesday June 16

8:00-Noon Registration/Check-in

8:15-8:30AM Opening Remarks: **Bob Spencer** (PhD, Prof, Dept Psychology and Neuroscience, Univ Colorado at Boulder)

SESSION I: STRESS, METABOLISM AND THE METABOLIC SYNDROME

Chair : **Kellie Tamashiro** (PhD, Asst Prof, Dept Psychiatry and Behavioral Sciences, John Hopkins University School of Medicine)

(Each talk is scheduled to last 30 min followed by a 10 min discussion period)

8:30-9:10AM **Carol Shively** (PhD, Prof, Dept Pathology/Comparative Medicine, Wake Forest Univ Primate Center)

Social Stress and Disease Susceptibility in Non-Human Primates

9:10-9:50AM **Randall Sakai** (PhD, Prof, Dept Psychiatry, Univ of Cincinnati)

Does Stress Make You Fat?

9:50-10:10AM COFFEE BREAK

10:10-10:50AM **Iliia Karatsoreos** (PhD, Laboratory of Neuroendocrinology, The Rockefeller Univ)
Disruption of corticosterone and circadian rhythms results in alterations in metabolic function and response to high-fat diets

10:50-11:30AM **Lawrence Reagan** (PhD, Assoc Prof, Dept Pharmacology, Physiology and Neuroscience, Univ South Carolina School of Medicine)

Diabetes and Stress Vulnerability

- 11:30AM-Noon Session I Discussion: Overall Issues and Insights
 Discussants—**Mary Dallman, Alan Watts**
- Noon-1:30PM LUNCH (Millennium Harvest Hotel Outdoor Pavillion)
 Trainees Meet the Speakers Luncheon: Small group lunch session with Trainees
 and speakers.

SESSION II: IMPACT OF STRESS DURING CRITICAL PERIODS ACROSS THE LIFESPAN

Chair: **James Koenig** (Univ Maryland)

(Each talk is scheduled to last 30 min followed by a 10 min discussion period)

- 1:30-2:10PM **James Koenig** (PhD, Prof, Dept Psychiatry, Univ of Maryland)
 The Neurobiological Responses to Prenatal Stress Exposure
- 2:10-2:50PM **Dominique Walker** (PhD, Prof, Dept Psychiatry, McGill Univ, Canada)
 **Stress Responsiveness During the Neonatal Period and Long-Term
 Consequences on Brain and Behavior in the Adult Offspring**
- 2:50-3:10PM COFFEE BREAK
- 3:10-3:50PM **Russell Romeo** (PhD, Asst Prof, Dept Psychology, Barnard College)
 Adolescence: a Central Event in Shaping HPA Reactivity
- 3:50-4:30PM **Sonia Lupien** (PhD, Scientific Director, Univ of Montreal, Canada)
 **Stress, The Brain, and Aging: From Neurotoxicity in Old Age to
 Vulnerability in Infancy**
- 4:30-5:00PM Session II Discussion: Overall Issues and Insights
 Discussants—**Sondra Bland, John Russell**
- 5:30-8:00PM POSTER SESSION (University of Colorado Stadium Club Room)
- [Shuttle bus or 10 min walk between Millennium Harvest Hotel and University
 Stadium Club Room; **see page 4 & 5 of Program Book for walking directions**]

Thursday June 17

SESSION III: STRESS RISK FACTORS AND STRESS-RELATED PATHOLOGY

Chair: **James Herman** (PhD, Prof, Dept Psychiatry, Univ Cincinnati)

(Each talk is scheduled to last 30 min followed by a 10 min discussion period)

- 8:30-9:10AM **Mohamed Kabbaj** (PhD, Assoc Prof, Dept Biomedical Science, Florida State
 Univ) **Individual Differences in the Effects of Social Defeat in Rats: the
 HR/LR Model**
- 9:10-9:50AM **Jason Radley** (PhD, Res Assoc, Salk Institute for Biological Studies)
 **Structural Plasticity in Limbic Cortical Circuits that Regulate the
 Neuroendocrine Stress Response**

- 9:50-10:10AM COFFEE BREAK
- 10:10-10:50AM **Lauren Jacobson** (PhD, Assoc Prof, Ctr for Neuropharmacology and Neuroscience, Albany Medical College)
Antidepressant Regulation of HPA Function: Relevance to Predicting Antidepressant Response
- 10:50-11:30AM **Rachael Yehuda** (PhD, Prof, Mt Sinai School of Medicine and James J. Peters Veterans Affairs Medical Center)
Episodic Stress Pathology: PTSD
- 11:30AM-Noon Session III Discussion: Overall Issues and Insights
Discussants—**Chris Lowry, Victor Viau**
- Noon-1:30PM LUNCHEON ROUNDTABLE DISCUSSION: THE FUTURE OF STRESS RESEARCH (Millennium Harvest Hotel Outdoor Pavillion)
Discussion Leaders:
Mary Dallman (Professor Emerita, Dept of Physiology, UCSF)
James Herman, Steve Maier, Ron de Kloet

SESSION IV: THE NEUROBIOLOGY OF THE STRESS-RESISTANT BRAIN

Chair: **Monika Fleshner** (Univ Colorado)

(Each talk is scheduled to last 30 min followed by a 10 min discussion period)

- 1:30-2:10PM **Steven Maier** (PhD, Prof, Dept Psychology and Neuroscience, Univ of Colorado)
The Roles of Behavioral Control and the Ventral Medial Prefrontal Cortex in Stress Resistance and Vulnerability
- 2:10-2:50PM **Monika Fleshner** (PhD, Prof, Dept Integrative Physiology, Univ of Colorado)
Stress Buffering Effects of Exercise
- 2:50-3:10PM COFFEE BREAK
- 3:10-3:50PM **David Lyons** (PhD, Assoc Prof, Dept Psychiatry and Behavioral Science, Stanford School of Medicine)
Stress Buffering Mechanisms in Nonhuman Primates
- 3:50-4:30PM **Murray Raskind** (MD, Prof, Dept Psychiatry and Behavioral Sciences, Univ of Washington) **Noradrenergic-Based Treatment Strategies for PTSD**
- 4:30-5:00PM Session IV Discussion: Overall Issues and Insights
Discussants: **Seema Bhatnagar, Jom Hammack**
- 5:15-6:15PM KEYNOTE ADDRESS: **Ron de Kloet** (Prof, Department of Medical Pharmacology, LACDR, Leiden University Medical Center, The Netherlands)
MECHANISMS UNDERLYING GLUCOCORTICOID HORMONE MODULATION OF COGNITION AND EMOTION

Friday June 18

SESSION V: STRESS MODULATION OF COGNITIVE AND AFFECTIVE PROCESSES

Chair: **Serge Campeau** (Univ Colorado)

(Each talk is scheduled to last 30 min followed by a 10 min discussion period)

- 8:30-9:10AM **David Morilak** (PhD, Prof, Dept Pharmacology, Univ Texas Health Science Center, San Antonio) **Chronic Stress and Monoaminergic Modulatory Influence in Prefrontal Cortex**
- 9:10-9:50AM **Serge Campeau** (PhD, Assoc Prof, Dept Psychology and Neuroscience, Univ of Colorado) **Learning to Live With Stress: Modulation of Stress Responses by Prior Stress**
- 9:50-10:10AM COFFEE BREAK
- 10:10-10:50AM **Kerry Ressler** (MD, PhD, Assoc Prof, Dept Psychiatry and Behavioral Sciences, Emory Univ) **Modulation and Extinction of Aversive Memories: from Rodents to Humans**
- 10:50-11:30AM **Israel Liberzon** (MD, Prof, Dept Psychiatry, Univ Michigan) **Cortisol and Human Decision Making**
- 11:30AM-Noon Session V Discussion: Overall Issues and Insights
Discussants: **Heidi Day, Bob Spencer**
- Closing Remarks and Adjournment: **Bob Spencer**, Univ Colorado