

Winning the War on Addiction in America: Understanding the Role of Neurogenetics and Epigenetics in Reward Deficiency Syndrome (RDS) and Recovery May 14, 2016

9:00-9:05 Welcome – Eric Braverman, MD

***Neurogenetics, Epigenetics, and Optogenetics of Reward Deficiency* | Moderated by Kenneth Blum**

9:00-9:30 Future Perspectives in Treating Addiction in America - Kenneth Blum, PhD

9:30-10:00 Understanding Epigenetics in Substance Use Disorder: NIDA Perspective—Jean Lud Cadet, MD

10:00-10:30 Molecular Mechanisms and Epigenetics of Cocaine addiction—Yi Zhang, MD with Luis Tuesta, PhD

10:30-10:45 Coffee Break

10:45 -11:15 The Role of Optogenetics in Psychiatric Disorders and Introduction to Eric J. Nestler – Vincent Pieribone, PhD

11:15-12:00 Epigenetic signaling in Psychiatric Disorders – Eric J Nestler, MD, PhD

12:00-1:30 Award Ceremony and Lunch – 2016 PATH Foundation Neuroscience Prize- Eric J Nestler, MD, PhD, letters by John H. Krystal presented by Vincent Pieribone, PhD

- Opening by Rev. Dr. Forbes, Senior Minister Emeritus of The Riverside Church

1:30-2:00 Role of Optogenetics in Targeting Reward Neurons Altered by Psychostimulant Abuse - David Self, PhD

2:00-2:30 Food Addiction: A Common Neurobiological mechanism with Drug Abuse – Gene-Jack Wang, MD

2:30-3:00 Understanding Opioids Reward- Elyssa Margolis, PhD

3:00-3:30 The Role of Dopamine in Reward Deficiency Syndrome– Peter K. Thanos

3:30-3:45 Coffee Break

***Brain Repair* | Moderated by Eric Braverman**

3:45-4:15 Brain Dopamine and ADHD – Rajendra Badgaiyan, MD

4:15-4:45 Using Proteins to Block Brain Cell Death Cascade of Aging – Hermann Steller, PhD

4:45-5:15 Sequela of Concussion: Endocrine, Neurocognitive, and Somatic – Joseph Maroon, MD with special guest Leonard Marshall, former NFL player

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5:15-5:45 Restructuring of United States Primary Care to be Brain-Based Focused on Addictive Behavior and its Dynamic Contribution to Neuropsychiatric Disorders, Violence, Obesity, Insomnia, Adolescent Developmental and Psychiatric Problems - Eric Braverman, MD

5:45-6:45 Meet and Greet/Cocktails & NOVA Special on Optogenetic Probing

- *Room A* Workshop: Nutrients & Phytonutrient Substances in Alcohol Dependency- Richard Smayda, DO
- *Room B* Workshop: Weak Frame, Weak Brian: Vulnerabilities to Addiction - Anish Bajaj, DC
- *Room C* Glutaminergic-Dopaminergic Optimization Complex – Roger Waite, DC

6:45-9:00 *Award Ceremony and Dinner* with former Governor David Paterson* featuring special performance by Grammy Award Winner Miri Ben-Ari

- Humanitarian Award to Audrey Gruss, Founder of Hope for Depression and Bonnie Evans, Philanthropist
- Introduction - Sean Hannity, Fox News Host
- White House Video Message - Michael Botticelli, MA
- Introduction of PATH Foundation NY Lifetime Achievement Award - David Baron, DO, MEd* to Mark S. Gold, MD
- Appearance by John Catsimatidis TBD

9:00 Closing Remarks – Eric Braverman, MD