Sunday, September 20

3:00 pm  Check-in
6:00 pm  Reception (*Lobby*)
7:00 pm  Dinner
8:15 pm  Refreshments available at Bob’s Pub

NOTE:
Meals are in the Dining Room
Talks are in the Seminar Room
Posters are in the Lobby
Monday, September 21

7:30 am  Breakfast *(service ends at 8:45am)*

9:00 am  **Session 1: Drug Addiction I**
*Chair: David Sweatt*

9:00 am  **Paul Kenny**, Mount Sinai School of Medicine
*MicroRNAs and drug addiction*

9:25 am  **Eric Nestler**, Mount Sinai School of Medicine
*Epigenetic mechanisms of drug addiction*

9:50 am  **Anne E. West**, Duke University Medical Center
*MeCP2 and the regulation of behavioral plasticity*

10:15 am  **Gregory C. Sartor**, University of Miami Miller School of Medicine
*Inhibition of BET bromodomain proteins alters behavioral and molecular responses to cocaine*

10:30 am  Break

11:00 am  **Session 2: Drug Addiction II and Chromatin Biochemistry**
*Chair: Ulrike Heberlein*

11:00 am  **Courtney A. Miller**, Scripps Research Institute - Florida
*Methamphetamine-associated memory is regulated by a writer and an eraser of permissive histone methylation*

11:25 am  **Paolo Sassone-Corsi**, University of California, Irvine
*The epigenetic language of the circadian clock*

11:50 am  **Ian Maze**, Icahn School of Medicine at Mount Sinai
*Histone monoaminylation in the central nervous system: Novel mechanisms of epigenetic plasticity*

12:15 pm  Lunch *(service ends at 1:15pm)*
2:00 pm  **Session 3: Disease and Aging I**  
**Chair: Tim Bredy**

2:00 pm  **Paul R. Albert**, Ottawa Hospital Research Institute  
*Deaf1-MeCP2 interaction mediates of genotype- and methylation-dependent transcription of 5-HT1A receptor*

2:25 pm  **Elisabeth Binder**, Max-Planck Institute of Psychiatry  
*Gene x early adversity interactions - relevance of allele-specific epigenetic modifications*

2:50 pm  **Gustavo Turecki**, McGill University  
*Regulation of aggressive-impulsive behaviour by a novel lincRNA*

3:15 pm  **Break**

3:45 pm  **Session 4: Disease and Aging II**  
**Chair: Lisa Monteggia**

3:45 pm  **Anne Schaefer**, Icahn School of Medicine at Mount Sinai  
*Polycomb repressive complex 2 (PRC2) activity controls neuronal function and survival*

4:10 pm  **Anne Brunet**, Stanford University  
*Epigenetic and metabolic regulation of aging*

4:35 pm  **Poster Blitz! (5 minute / 3 slides each)**

5:15 pm  **Poster Reception**

7:00 pm  **Dinner**

8:15 pm  **Refreshments available at Bob’s Pub**
Tuesday, September 22

7:30 am  Breakfast (service ends at 8:45am)

9:00 am  Session 5: Development and Parental Effects - I
          Chair: Farah Lubin

9:00 am  Frances A. Champagne, Columbia University
          *Implications of paternal-maternal interplay for epigenetic outcomes in offspring*

9:25 am  Catherine Dulac, HHMI/Harvard University
          *Functional analysis of parent-of-origin expression bias in the brain*

9:50 am  Tracy Bale, University of Pennsylvania
          *Paternal stress epigenetic reprogramming of neurodevelopment via sperm miRNA*

10:15 am Break

10:45 am Session 6: Development and Parental Effects - II
            Chair: Ian Maze

10:45 am  Michael Meaney, McGill University
          *Parental regulation of the epigenome*

11:10 am Tallie Z. Baram, University of California-Irvine
          *Synaptic rewiring & epigenetic programming of stress-responsive neurons by early-life experience*

11:35 am Alison Bell, University of Illinois at Urbana-Champaign
          *Maternal and paternal effects on behavioral development in sticklebacks*

12:00 pm Brian Dias, Emory University
          *Using the olfactory system to study ancestral influences on descendant generations*

12:15 pm Lunch (service ends at 1pm)

1:00 pm  Tour (optional – meet at reception)

2:00 pm  Session 7: Learning and Memory I
            Chair: Anne Brunet

2:00 pm  Lisa Monteggia, UT Southwestern
          *Analysis of individual HDACs in behavior and synaptic plasticity*
Behavioral Epigenetics: Conserved Mechanisms in Diverse Model Systems

2:25 pm  **Jeremy J. Day**, University of Alabama at Birmingham  
*Extra-coding RNAs regulate neuronal DNA methylation and long-term memory formation*

2:50 pm  **Timothy Bredy**, University of California, Irvine  
*Epitranscriptomic mechanisms of memory stability*

3:15 pm  Break

3:45 pm  **Session 8: Learning and Memory II**  
**Chair:** Michael Meaney

3:45 pm  **Farah Lubin**, University of Alabama at Birmingham  
*Histone ubiquitination boundaries: Regulation of trans-histone H3 methylation synaptic plasticity and memory formation*

4:10 pm  **Ted Abel**, University of Pennsylvania  
*The co-repressor Sin3a ia a memory suppressor gene that regulates the expression of the synaptic scaffolding protein Homer1*

4:35 pm  **Li-Huei Tsai**, Massachusetts Institute of Technology  
*Chromatin remodeling, DNA breaks, and activity-induced gene expression in neurons*

5:00 pm  Break

5:15 pm  **Session 9: Learning and Memory III**  
**Chair:** Shelley Berger

5:15 pm  **Marcelo A. Wood**, University of California, Irvine  
*The role of nucleosome remodeling in synaptic plasticity, memory, and intellectual disability disorders*

5:40 pm  **David Sweatt**, University of Alabama at Birmingham  
*Epigenetic mechanisms in associative conditioning*

6:05 pm  **Sarah E. London**, University of Chicago  
*Experience alters epigenetic histone modifications in a brain area required for learning song, a complex natural behavior, in juvenile songbirds*

6:20 pm  Poster Reception

7:45 pm  Dinner

8:45 pm  Refreshments available at Bob’s Pub

8/21/15
Wednesday, September 23

7:30 am  Breakfast (service ends at 8:45am)

9:00 am  Session 10: Behavior and Cognition I
  Chair: Eric Nestler

9:00 am  Hongjun Song, Johns Hopkins University School of Medicine
  Dynamic DNA modifications regulates neuronal flexibility

9:25 am  Schahram Akbarian, Icahn School of Medicine at Mount Sinai School
  Higher order chromatin affecting cognition and behavior in human and animal brain

9:50 am  Margarita Behrens, Salk Institute
  Regional and cell-type specific reconfiguration of DNA methylation patterns during brain development

10:15 am  Jessica Tollkuhn, Cold Spring Harbor Laboratory
  Epigenetic regulation of sex differences in the brain

10:30 am  Break

11:00 am  Session 11: Behavior and Cognition II
  Chair: Marcelo Wood

11:00 am  Shelley L. Berger, University of Pennsylvania
  Epigenetic (re)programming of caste-specific behavior in the carpenter ant

11:25 am  Amy L. Toth, Iowa State University
  DNA methylation is not associated with sociality in the primitively eusocial wasp Polistes dominula

11:50 am  Closing Remarks

12:00 pm  Lunch and Departure

12:30 pm  First shuttle to Dulles

1:30 pm  Second shuttle to Dulles

2:30 pm  Last shuttle to Dulles