Schedule at a Glance

NOTE:
All meals are in the **Dining Room**
All talks are in the **Seminar Room**
Posters are located in the **Synapse Room**

Sunday October 5th

3:00 pm	Check-in
6:00 pm	Reception
7:00 pm	Dinner
8:00 pm	Opening Remarks
8:10 pm	Keynote Address

Monday October 6th

7:30 am	Breakfast
9:00 am	Session 1: Understanding the Magic of the Egg
10:30 am	Break and Group Photo
11:00 am	Session 2: *Polycomb Group* Genes and Pluripotency
12:30 pm	Lunch
1:00 pm	Tour (optional)
2:00 pm	Session 3: Genomic Regulatory Networks and their Manipulation
3:30 pm	Break
4:00 pm	Session 4: Fundamentals of the Stem Cell State
6:00 pm	Reception
7:00 pm	Dinner
8:00 pm	Poster Reception

Tuesday October 7th

7:30 am	Breakfast
9:00 am	Session 5: ATP-Dependent Chromatin Remodelers
10:30 am	Break
11:00 am	Session 6: Mechanisms
12:30 pm	Lunch
2:00 pm	Session 7: Epigenetic Mechanisms
3:30 pm	Break
4:00 pm	Session 8: Propagation and Dynamics of Epigenetic States
6:00 pm	Reception
7:00 pm	Dinner
8:00 pm	Poster Reception

Wednesday October 8th

7:30 am	Breakfast
9:00 am	First shuttle to airport
10:00 am	Second shuttle to airport
11:00 am	Last shuttle to airport

Full Schedule

Sunday, October 5th

3:00 pm	Check-in
6:00 pm	Reception
7:00 pm	Dinner
8:00 pm	**Introduction and Opening Remarks** **Janet Rossant,** Hospital for Sick Children
8:10 pm	**Keynote Address** **John Gurdon,** University of Cambridge *Nuclear reprogramming by amphibian oocytes and eggs*
9:10 pm	Refreshments available at Bob's Pub

Monday, October 6th

7:30 am	Breakfast
9:00 am	**Session 1: Understanding the Magic of the Egg** **Moderator: Magdalena Zernicka-Goetz**
9:00 am	**Magdalena Zernicka-Goetz,** Cambridge University *Origins of pluripotent inner cell mass and trophectoderm and molecular mechanisms behind their specification*
9:30 am	**Marius Wernig,** Stanford University School of Medicine *Epigenetic reprogramming and therapeutic potential of pluripotent stem cells*
10:00 am	**Susan Mango,** University of Utah *Pluripotency and the onset of differentiation in the C. elegans soma*
10:30 am	Break and Group Photo
11:00 am	**Session 2: *Polycomb Group* Genes and Pluripotency** **Moderator: Terry Magnuson**
11:00 am	**Bradley Bernstein,** Massachusetts General Hospital *Genomewide studies of the pluripotent chromatin state*
11:30 am	**Laurie Boyer,** Massachusetts Institute of Technology *The histone variant H2AZ is enriched at Polycomb group (PcG) protein target genes in ES cells and is necessary for execution*
12:00 pm	**Terry Magnuson,** University of North Carolina at Chapel Hill *PRC2 is dispensable for ES cell pluripotency*
12:30 pm	Lunch
1:00 pm	Tour (optional)
2:00 pm	**Session 3: Genomic Regulatory Networks and their Manipulation** **Moderator: Mary Donohoe**
2:00 pm	**Leonid Moroz,** University of Florida *Epigenetic profiling of single functionally characterized neurons in vivo and in regenerating neural circuits*
2:30 pm	**Mary Donohoe,** Weill Medical College of Cornell University *Proteins that mediate homologous X-chromosome pairing*

3:00 pm	**Stuart Schreiber,** Broad Institute/HHMI *From genes to drugs: diversity synthesis and chromatin*
3:30 pm	Break
4:00 pm	**Session 4: Fundamentals of the Stem Cell State** **Moderator: Margaret Fuller**
4:00 pm	**Margaret Fuller,** Stanford University School of Medicine *Regulation of self-renewal and differentiation in an adult stem cell lineage*
4:30 pm	**Guy Sauvageau,** University of Montreal *A novel function for Bmi1 in hematopoietic stem cell activity*
5:00 pm	**Wolf Reik,** The Babraham Institute *Epigenetic regulation of lineage commitment and pluripotency in the mammalian embryo*
6:00 pm	Reception
7:00 pm	Dinner
8:00 pm	Poster Reception

Tuesday, October 7th

7:30 am	Breakfast
9:00 am	**Session 5: ATP-Dependent Chromatin Remodelers** **Moderator: Barbara Panning**
9:00 am	**Barbara Panning,** University of California, San Francisco *An RNAi screen of chromatin proteins reveals a role for the Tip60-p400 complex in embryonic stem cell identity*
9:30 am	**Julie Lessard,** Université de Montréal *BAF switching: A novel epigenetic mechanism essential for vertebrate neural development*
10:00 am	**Gerald Crabtree,** Stanford University/HHMI *Understanding the words of chromatin remodeling*
10:30 am	Break
11:00 am	**Session 6: Mechanisms** **Moderator: Dirk Schübeler**
11:00 am	**Andrew Wood,** University of California, Berkeley *X chromosome-wide repression*
11:30 am	**Dirk Schübeler,** Friedrich Miescher Institute for Biomedical Research *Plasticity of DNA methylation and Polycomb targets during lineage commitment and terminal differentiation of stem cells*
12:00 pm	**David Gilbert,** Florida State University *Global reorganization of replication domains during embryonic stem cell differentiation*
12:30 pm	Lunch
2:00 pm	**Session 7: Epigenetic Mechanisms** **Moderator: Joanna Wysocka**
2:00 pm	**Keji Zhao,** National Heart, Lung and Blood Institute *Dynamic change of chromatin modification during differentiation*

2:30 pm **Joe Landry,** National Cancer Institute
Essential role of chromatin remodeling factor NURF in early mouse embryos and embryonic stem cells

3:00 pm **Joanna Wysocka,** Stanford University School of Medicine
Role of histone H3K4 methyltransferases in cell fate determination

3:30 pm Break

4:00 pm Session 8: Propagation and Dynamics of Epigenetic States
Moderator: Richard Young

4:00 pm **Richard Young,** Whitehead Institution for Biomedical Research
Transcriptional regulatory circuitry of pluripotent stem cells

4:30 pm **Ihor Lemischka,** Mount Sinai School of Medicine/HHMI
Dissecting cell fate regulation in stem cells

5:00 pm **Tom Kerppola,** University of Michigan/HHMI
Visualization of chromatin binding specificities of polycomb group proteins in live embryonic stem cells

6:00 pm Reception

7:00 pm Dinner

8:00 pm Poster Reception

Wednesday, October 8th

7:30 am	Breakfast
9:00 am	First shuttle to Dulles
10:00 am	Second shuttle to Dulles
11:00 am	Last shuttle to Dulles