Thursday March 11

3:00	pm	Check-in

6:00 pm Reception (Lobby)

7:00 pm Dinner

8:00 pm Welcome (Organizers)

8:10 pm **Session 1: Keynote Address**

Joseph G. Gall, Carnegie Institution *Cajal bodies and histone locus bodies*

9:00 pm Refreshments available at Bob's Pub

Friday March 12

7:30 am	Breakfast
9:00 am	Session 2: Nuclear Dynamics of the Transcription Machinery Chair: Robert Tjian
9:00 am	Jim McNally, National Institutes of Health Kinetic modeling of the dynamic nucleus: What do we really know?
9:25 am	Xavier Darzacq, Ecole Normale Supérieure Regulation of the pTEFb elongation factor nuclear mobility
9:50 am	Laszlo Tora , Institute of Genetics and Molecular and Cellular Biology (IGBMC The ATAC acetyl transferase complex controls mitotic progression by regulating CyclinA and SIRT2 activity
10:15 am	Gordon Hager, National Institutes of Health Dynamic interaction of nuclear receptors with the genome
10:40 am	Break and Group Photo
11:10 am	Session 3: Kinetic Aspects of Transcription Regulation Chair: Sunney Xie
11:10 am	Johan Elf, Uppsala Universitet Probing transcription factor kinetics at the level of single molecules
11:35 am	Maxime Dahan, Ecole Normale Supérieure Addressing the target search of transcription factors at the single molecule level in eukaryotic cells
12:00 pm	Robert Tjian , Howard Hughes Medical Institute Single cell and single molecule analysis of transcription pre-initiation complex formation
12:25 pm	Alberto R. Kornblihtt, Universidad de Buenos Aires Chromatin, pol II elongation and alternative splicing
12:50 pm	Lunch
1:20 pm	Tour (optional)
2:30 pm	Session 4: Transcription Elongation Chair: Xavier Darzaca

2:30 pm	Peter R. Cook , University of Oxford <i>Active RNA polymerases: Mobile or immobile machines?</i>
2:55 pm	David Bentley , University of Colorado School of Medicine The role of elongation rate in coupling of transcription with mRNA processing
3:20 pm	TBA
3:45 pm	Break
4:15 pm	Session 5: Bacterial Expression Chair: Johan Paulsson
4:15 pm	Sunney Xie , Harvard University System-wide imaging of proteome and transcriptome of E. coli with single- molecule sensitivity
4:40 pm	Ido Golding , Baylor College of Medicine The modulation of transcriptional time series in E. coli: Phenomenology, mechanisms and consequences
5:05 pm	Open Discussion
5:30 pm	Poster Reception 1
7:00 pm	Dinner
8:00 pm	Refreshments available at Bob's Pub

Saturday March 13

7:30 am	Breakfast
9:00 am	Session 6: Transcriptional Regulation Chair: Ron Evans
9:00 am	James A. Goodrich, University of Colorado at Boulder Regulation of mammalian transcription by noncoding RNAs
9:25 am	James T. Kadonaga, University of California, San Diego Discovery and analysis of a novel ATP-dependent DNA rewinding moto
9:50 am	Michael Rosbash, HHMI/Brandeis University Regulation of circadian transcription
10:15 am	Ron M. Evans , HHMI/The Salk Institute Nuclear receptors and amPK – Resetting physiology
10:40 am	Break
11:10 am	Session 7: Single Cell / Single Molecule Chair: Robert Singer
11:10 am	Alexander van Oudenaarden, Massachusetts Institute of Technology Single-cell transcript counting: From yeast to mammalian tissues
11:35 am	Johan Paulsson, Harvard Medical School Understanding non-genetic heterogeneity in cells
12:00 pm	Daniel Zenklusen , Université de Montréal Studying transcription kinetics in yeast – A single molecule approach
12:25 pm	Daniel R. Larson, Albert Einstein College of Medicine Fluctuation analysis of individual genes in living cells
12:50 pm	Lunch
2:00 pm	Session 8: Spatial Gene Regulation Chair: Andrew Belmont
2:00 pm	Susan Gasser, Friedrich Miescher Institute for Biomedical Research Differentiation associated spatial separation of active and silent loci
2:25 pm	Christophe Zimmer, Institut Pasteur Mapping and modeling chromosomes in the yeast nucleus

2:50 pm	Jie Yao , Janelia Farm Research Campus/HHMI Coordinate re-positioning of genes and core transcription machineries during myogenesis
3:15 pm	Ana Pombo, MRC Clinical Sciences Centre Poised transcription complexes in epigenetics and genome function
3:40 pm	Break
4:10 pm	Session 9: Technology Discussion - Caveats, Controls and new approaches Chair: Susan Gasser
4:10 pm	Angela Taddei, Institut Curie Operators based gene tagging systems act as protosilencers in budding yeast
4:35 pm	Anne E. Carpenter, Broad Institute of Harvard and MIT Image analysis and data mining for quantifying microscopy images
5:00 pm	Angus I. Lamond, University of Dundee New approaches for studying chromatin structure and protein dynamics
5:25 pm	Poster Reception 2
7:00 pm	Dinner
8:00 pm	Session 10: Splicing and Transcription Chair: Yaron Shav-Tal
8:00 pm	Ute Schmidt , Institut de Génétique moléculaire de Montpellier Real-time imaging of co-transcription splicing reveals a check-point that regulates 3'-end formation and mRNA release
8:25 pm	Maria Carmo-Fonseca, University of Lisbon Medical School Live-cell imaging of co-transcriptional pre-mRNA splicing
8:50 pm	Refreshments available at Bob's Pub

Sunday March 14

7:30 am	Breakfast
9:00 am	Session 11: Transcriptional Activation Chair: David Bentley
9:00 am	David L. Spector , Cold Spring Harbor Laboratory Comparative visualization of transcriptional induction in interphase and post- mitotic cells
9:25 am	Yaron Shav-Tal, Bar Ilan University Analysis of single-gene transcription reveals the kinetics of promoter control during the cell cycle
9:50 am	John T. Lis , Cornell University Tracking rapid changes in chromatin caused by transcription activation of a potentiated gene
10:15 am	Break
10:45 am	Session 12: Chromatin Remodeling Chair: David Spector
10:45 am	Andrew Belmont, University of Illinois at Urbana-Champaign Large-scale chromatin structure and dynamics of active genes
11:10 am	Carl Wu, National Institutes of Health Chromatin dynamics at promoters and centromeres of budding yeast
11:35 am	Peter Verrijzer, Erasmus University Medical Center Gene control by chromatin remodelers
12:00 pm	Closing Remarks & Discussion (Organizers)
12:30 pm	Lunch (To-go boxes available from servery for those on first shuttle) and Departure
1:00 pm 1:45 pm 2:30 pm	First shuttle to Dulles Second shuttle to Dulles Last shuttle to Dulles