Sunday, March 9th

3:00 pm Check-in

6:00 pm Reception *(Lobby)*

7:00 pm Dinner

8:00 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, March 10th

All talks are 20 minutes plus 10 min for Q&A

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

9:00 am **Session 1**
Chair: Timothee Lionnet

9:00 am **Wouter de Laat**, Hubrecht Institute
Systematic mapping reveals large-scale and dynamic association of genomic regions with pericentromeric heterochromatin

9:30 am **Job Dekker**, University of Massachusetts Medical School
Chromosome folding and gene regulation

10:00 am **Denis Duboule**, University of Geneva and EPFL Lausanne
A regulatory switch between topological domains during development

10:30 am Break

11:00 am **Session 2**
Chair: Enrico Gratton

11:00 am **Rob Phillips**, California Institute of Technology
The statistical mechanical Genome

11:30 am **Leonid Mirny**, Massachusetts Institute of Technology
Polymer models of chromosome organizations

12:00 pm **Mario Nicodemi**, University of Naples "Federico II"
A view from polymer physics of chromatin spatial organisation

12:30 pm Lunch *(service ends at 1pm)*

2:00 pm **Session 3**
Chair: Wendy Bickmore

2:00 pm **Joanna Wysocka**, Stanford University School of Medicine
Enhancers in regulation of developmental plasticity

2:30 pm **Clarissa S. Scholes**, Harvard Medical School
Effects of gene locus organization on enhancer activity

3:00 pm **Robert Hill**, University of Edinburgh
Regulatory landscape of the Shh gene

3:30 pm	Break
4:00 pm	**Session 4** **Chair: Doug Higgs**
4:00 pm	**Thomas Gregor**, Princeton University *From single molecules to transcription dynamics in development*
4:30 pm	**Michael Levine**, University of California, Berkeley *Pause control in development*
5:00 pm	**David Stern**, Janelia Farm Research Campus/HHMI *How a complex cis-regulatory region encodes robustness and underlies morphological evolution*
5:30 pm	Poster Reception
7:00 pm	Dinner
8:00 pm	Refreshments available at Bob's Pub

Tuesday, March 11th

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

9:00 am **Session 5**
Chair: Thomas Gregor

9:00 am **Kerstin Bystricky**, University of Toulouse
Visualisation of folding and dynamics of single gene loci

9:30 am **Enrico Gratton**, University of California, Irvine
Nanoscale topological structure of chromatin in live cells revealed by gold-enhanced fluorescence

10:00 am **Zhe Liu**, Janelia Farm Research Campus/HHMI
Imaging pluripotency factor target search and enhancer binding dynamics at the single-molecule level

10:30 am Break

11:00 am **Session 6**
Chair: Joanna Wysocka

11:00 am **Wendy Bickmore**, University of Edinburgh
Looking small to understand large: Chromatin folding and gene regulation

11:30 am **Musa Mhlanga**, Council for Scientific and Industrial Research (CSIR)
Chromosomal contact permits transcription between coregulated genes

12:00 pm **Martha L. Bulyk**, Brigham & Women's Hospital and Harvard Medical School
The genomic landscape of NF-kB binding in lymphoblastoid B-Cells

12:30 pm Lunch *(service ends at 1pm)*

1:15 pm Tour *(optional – meet at reception)*

2:15 pm **Session 7**
Chair: James Kadonaga

2:15 pm **Jie Xiao**, Johns Hopkins University
Probing transcription factor-mediated DNA looping in live cells at the single molecule level

2:45 pm **Johan Elf**, Uppsala University
Non-equilibrium contributions to transcription factor mediated gene regulation

3:15 pm **Timothee Lionnet**, Janelia Farm Research Campus/HHMI
Probing mechanisms of transcription activation at the single molecule level

3:45 pm Break

4:15 pm **Session 8**
Chair: Martha Bulyk

4:15 pm **Antoine Coulon**, National Institutes of Health
Kinetic competition during the transcription cycle results in both co- and post-transcriptional splicing at the same gene

4:45 pm **Alberto R. Kornblihtt**, Universidad de Buenos Aires
Chromatin, Pol II elongation and alternative splicing

5:15 pm **Daniel Zenklusen**, Université de Montréal
Dissecting eRNA mediated transcription regulation in single cells

5:45 pm Poster Reception

7:15 pm Dinner

8:15 pm Refreshments available at Bob's Pub

Wednesday, March 12th

7:30 am	Breakfast *(service ends at 8:45am)*
9:00 am	**Session 9** **Chair: Rob Phillips**
9:00 am	**Doug R. Higgs**, Weatherall Institute of Molecular Medicine *Linking cis-acting elements and analysing how variants of such elements may influence the chromosomal landscape*
9:30 am	**Gary Felsenfeld**, National Institutes of Health *CTCF function and long range interactions*
10:00 am	**Gerd Blobel**, Children's Hospital of Philadelphia *Reactivation of developmentally silenced globin genes by forced chromatin looping*
10:30 am	Break
11:00 am	**Session 10** **Chair: Carl Wu**
11:00 am	**James T. Kadonaga**, University of California, San Diego *The TCT core promoter motif functions with a specialized transcription system*
11:30 am	**James A. Goodrich**, University of Colorado at Boulder *Regulation of RNA polymerase II by noncoding RNAs*
12:00 pm	Closing Discussion
12:30 pm	Lunch & Departure
1:00 pm	First shuttle to Dulles
2:00 pm	Second shuttle to Dulles
3:00 pm	Last shuttle to Dulles