

Northeast Regional Chromosome Pairing Conference

2013 Second Annual Meeting

November 8-10

Geisel School of Medicine at Dartmouth

Hanover, New Hampshire

Co-Organizers:

- Ting Wu, Harvard Medical School
- Giovanni Bosco, Geisel School of Medicine at Dartmouth
- Jack Bateman, Bowdoin College
- Thomas Merritt, Laurentian University

Sponsorship By:

- VWR
- Genesee Scientific
- Laurentian University
- Geisel School of Medicine at Dartmouth

Friday, November 8

3:00PM Pairing, sisters, and meiosis

Niroshi Senaratne (Wu lab): Cohesion without cohesin?

10+5

Eric Joyce (Wu lab): Pairing in moderation: a germline story

15+5

Chris Giauque (Bickel lab): The Role of Heterochromatin Proteins in Meiotic Pairing of Achiasmata Homologues

15+5

Adrienne Perkins (Bickel lab): The Effect of Oxidative Damage on Meiotic Chromosome Segregation In *Drosophila* Oocytes

15+5

Matt Jakubik (Wu lab): Small, chromosomal structural variants are detected by the meiotic machinery in *C. elegans*

10+5

1h30m

4:30PM Break

5:00PM Just transvection

Ilana Mayer-Hirshfeld and Beatriz Malibiran (Bateman lab): Assessing transvection by different enhancers and in different tissues

15+5

David Bing (Merritt lab): P-element insertions as disruptors of pairing
15+5

Teresa Rzezniczak (Merritt lab): Genetic background effects on transvection
15+5

Patrick O'Donnell (Merritt lab): Creating tailored chromosomal inversions to study trans-interactions
10+5

****+15 min of bonus discussion time!****

1h30m

6:30PM Dinner

8:00PM Crazy like a fox I

Vicky Meller (Meller lab): Is pairing a general regulator of expression?
10+5

Judy Kassis (Kassis lab): Saved by a wild-type homolog: what is going on???
10+5

Ruth McCole (Wu lab): Once Upon a Time, a tale of whole genome duplication and ultraconservation
15+5

Ting Wu (Wu lab): Putting UCEs to work
10+5

1h05m

Saturday, November 9

8:00AM Coffee and Refreshments

9:00AM Condensins and chromatin

Michelle Longworth (Longworth lab): Condensin II subunit dCAP-D3 restricts retrotransposon mobilization in *Drosophila* somatic cells
15+5

Huy Nguyen (Bosco lab): Cap-H2: compaction, pairing and regulation
15+5

Heather Wallace (Bosco lab): How does Cap-H2 get recruited to chromatin?
10+5

Kami Ahmad (Ahmad lab): High-resolution models of Polycomb Response Elements and enhancers
15+5

1h15m

10:15PM Break

10:45AM Nuclear structure and organization

Jason Stumpff (Stumpff lab): Spatial organization of the genome: a possible link between mitotic chromosome alignment and interphase nuclear architecture
15+5

Lita Bozler (Bosco lab): Nucleoplasmic Reticulum and Condensins in flies
15+5

Carolyn George (Bosco lab): Nucleoplasmic Reticulum and Condensins in humans
10+5

****+20 min of bonus discussion time!****

1h15m

12:00PM Lunch

2:00PM Things that happen in embryos

Tamira Vojnar (Bateman lab): Is there natural variation in somatic homolog pairing?
10+5

Jelena Erceg (Wu lab): Regulation of gene expression during embryonic development of *Drosophila melanogaster*
15+5

Welcome Bender (Bender lab): Segmental domains in the bithorax complex
15+5

1h

3:00PM Break

3:30PM Paints, pairing, AND sexy heterochromatin

Brian Beliveau (Wu lab): One of these things is not 100% like the other: Allele-specific DNA FISH with Oligopaints
15+5

Mohammed Hannan (Wu lab): Recipe tips: making Oligopaints in your lab
5+5

Caroline Kim (Wu lab): Towards Live FISH
10+5

Balint Kascoh (Bosco lab): Maybe something about pairing, but likely not
15+5

Manasi Apte (Meller lab): Care about Sex?.. Well, Heterochromatin does!
15+5

1h30m

6:30PM Dinner

8:00PM Crazy like a fox II

Michelle Longworth (Longworth lab): Links between the anti-bacterial functions of CAP-D3 and Inflammatory Bowel Disease-real or just crap?
10+5

Jack Bateman (Bateman lab): Something about triangles
10+5

Thomas Merritt (Merritt lab): ...more craziness
10+5

Gio Bosco (Bosco lab): ...even more craziness

1h

Sunday, November 10

Nothing scheduled – say your goodbyes and head home!