

Full Schedule**Sunday, October 7th**

- 3:00 – 6:00 pm **Check-in**
- 6:00 pm **Reception**
- 7:00 pm **Dinner**
- 8:00 pm **Bar** is open at posters
- 8:00–10:00 pm **Poster Session 1**

Monday, October 8th

- 7:30 am **Breakfast**
- 9:00 am **Session 1: Gerry Rubin, Chair**
- 9:00 am **Opening remarks**
- 9:10 am **Jeff Sekelsky**, University of North Carolina
Taking advantage of DNA repair defects to manipulate the genome
- 9:30 am **Dana Carroll**, University of Utah
Gene Targeting in Drosophila with Zinc-finger Nucleases
- 9:50 am **Steven Henikoff**, Fred Hutchinson Cancer Research Center/HHMI
A mutation discovery service for the Drosophila community
- 10:10 am **Jack Bateman**, Harvard Medical School
Site-specific transformation of Drosophila via phiC31 integrase-mediated cassette exchange
- 10:40 am **Break**
- 11:00 am **Koen Venken**, Baylor College of Medicine
P[acman] transgenesis
- 11:20 am **Roger Hoskins**, Lawrence Berkeley National Laboratory
Molecularly defined P[acman] duplications
- 11:40 am **Stephen Small**, New York University
Transformation via Cre-mediated cassette exchange

- 12:00 pm **Konrad Basler**, Universität Zürich
Site specific recombinases
- 12:30–1:30 pm **Lunch**
- 2:00 pm **Session 2: Liqun Luo, Chair**
- 2:00 pm **Opening remarks**
- 2:10 pm **Norbert Perrimon**, Harvard Medical School/HHMI
New tools for mosaic analysis
- 2:30 pm **Tzumin Lee**, University of Illinois, Urbana-Champaign
Expanding MARCM for systematic identification of individual brain cells
- 2:50 pm **Stephen Crews**, University of North Carolina, Chapel Hill
Genome-scale analysis of CNS midline cell transcription, development, and function
- 3:10 pm **Gerald Rubin**, Janelia Farm Research Campus/HHMI
Generating GAL4 drivers by high throughput promoter bashing
- 3:40 pm **Break**
- 4:20 pm **Ron Davis**, Baylor College of Medicine
Control of transgene expression in time and space/Functional optical imaging of neuronal activity
- 4:40 pm **Haig Keshishian**, Yale University
Novel methods for examining neural circuitry in Drosophila
- 5:00 pm **Gero Miesenböck**, Yale University School of Medicine
Change of mind: control of circuits and behavior
- 5:20 pm **Julie Simpson**, Howard Hughes Medical Institute
Temperature sensitive ways to change neural activity and GAL80 tricks to refine spatial expression
- 5:40 pm **Benjamin White**, National Institutes of Health
Dissection of a neuronal network using the Split Gal4 System
- 6:00 pm **Reception**
- 7:00 pm **Dinner**
- 8:00 pm **Bar** is open at posters

8:00–10:00 pm **Poster Session 2**

Tuesday, October 9th

7:30 am **Breakfast**

9:00 am **Session 3: Lynn Cooley, Chair**

9:00 am **Opening remarks**

9:10 am **Eric Lai**, Sloan-Kettering Institute
Small RNA pathways in Drosophila

9:30 am **Richard Carthew**, Northwestern University
Gene regulation via small RNAs

9:50 am **Stephen Cohen**, EMBL Heidelberg
MicroRNA functions assessed by knock-out mutations

10:10 am **Brian Oliver**, National Institutes of Health
Integrating genetics and small compounds in high throughput assays

10:40 am **Break**

11:00 am **Susan Celniker**, Lawrence Berkeley National Laboratory
Comprehensive characterization of the Drosophila transcriptome

11:20 am **Michael Eisen**, University of California, Berkeley
An interdisciplinary analysis of the transcriptional control network in the Pregastrula the Drosophila

11:40 am **Ward Odenwald**, NINDS, National Institutes of Health
Deciphering the cis-regulatory code of coordinate gene expression

12:00 pm **Gos Micklen**, Cambridge University
The FlyMine and InterMine Projects

12:30–1:30 pm **Lunch**

2:00 pm **Session 4: Sue Celniker, Chair**

2:00 pm **Opening remarks**

2:10 pm **Kai Zinn**, California Institute of Technology
Using deficiency and ectopic expression screens to identify ligands for orphan receptors

- 2:30 pm **Lynn Cooley**, Yale School of Medicine
Protein expression profiling in intact cells
- 2:50 pm **Allan Spradling**, Carnegie Institution of Washington/HHMI
*Capturing the cellular diversity and dynamics of *Drosophila* tissues*
- 3:10 pm **Andrea Brand**, University of Cambridge
*Regulation of self-renewal and differentiation in the *Drosophila* nervous system*
- 3:40 pm **Break**
- 4:20 pm **Mark Biggin**, Lawrence Berkeley National Laboratory
High throughput methods to quantitate 3D morphology, gene expression, and DNA binding
- 4:40 pm **Liqun Luo**, Stanford University/HHMI
Improved piggyBac transposon to generate insertional mutants
- 5:00 pm **Michael Ashburner**, University of Cambridge
*New chromosome aberration sets for *Drosophila**
- 5:20 pm **Hugo Bellen**, HHMI/Baylor College of Medicine
The genome disruption project: Minos transposable elements to create swappable alleles
- 4:40 pm **Steven Russell**, University of Cambridge
Transposons as tools for genome engineering and proteomics
- 6:00 pm **Scheduling of informal breakout groups**
- 6:15 pm **Reception**
- 7:00 pm **Dinner**
- 8:00 pm **Bar is open**
- 8:00–10:00 pm **Informal breakout groups**
- Wednesday, October 10th**
- 7:30 am **Breakfast**
- 9:00 am **Session 5: Barbara Wakimoto, Chair**

- 9:00 am **Opening remarks**
- 9:10 am **Henry Krause**, University of Toronto
Reagents for the identification of protein and RNA-associated factors
- 9:30 am **Marc Vidal**, Dana-Farber Cancer Institute
Interactome networks
- 9:50 am **Break**
- 10:20 am **General Discussion** and reports from breakout groups
Hugo Bellen, Chair
- 12:30 pm Box lunches & shuttles to airport available