

Program:

Thursday May 26, 2005

16.00-19.00 Registration at Residence Dining Hall

19.00-20.30 Opening remarks and Mixer at Residence Dining Hall

Note that all talks on Friday, Saturday and Sunday will be held in Room 3520 in the West Mall Complex and posters will be in the lounge on the same floor. All breakfasts and lunches will be in the Residence Dining Hall and coffee breaks will be by the posters.

Friday May 27, 2005

08.00-09.00 Breakfast

09.00-10.20 Platform session I- Epithelial Morphogenesis

9.00 **David Hipfner** The Drosophila Slik Sterile-20 kinase regulates Moesin phosphorylation to promote epithelial integrity

9.20 **Ryan Conder** The serine/threonine kinase dPak is required for planar polarization of the actin cytoskeleton and apical-basal polarity in the Drosophila follicular epithelium.

9.40 **Ulrich Tepass** How Drosophila photoreceptors take shape

10.00 **Dorothea Godt** Cadherin Cad99C is a regulator of microvilli morphogenesis

10.20-10.45 Coffee break

10.45-11.45 Platform session II- Signal Transduction I

10.45 **Dennis Venema** Dynamic rearrangement of the septate junction patterns the Drosophila wing independently of Frizzled

11.05 **Bari Zahedi** The non-receptor tyrosine kinase ACK participates in Dpp signaling during Drosophila embryogenesis

11.25 **Yi Ariel Zeng** Drosophila Nemo kinase antagonizes BMP signalling by inhibition of Mad nuclear localization

12.00-13.30 Lunch

13.30-14.30 Platform session III- Chromosome Structure and Function

13.30 **Shelagh Campbell** Functional analysis of Drosophila ATM and its role in chromosome stability and telomere maintenance

13.50 **Greg Gloor** Mutant Alleles of E(Pc) and esc increase gene conversion in Drosophila Somatic Tissue

14.10 **Andrew Wilde** RanGTP regulates pre- and post- metaphase events in Drosophila embryos

14.30-15.00 Coffee break

15.00-16.00 Platform session IV- Oogenesis

15.00 **Laura Nilson** Regulatory targets of Capicua in follicle cell fate determination in the Drosophila ovary

15.20 **Jarred Chicoine** Analysis of Bicaudal-C auto-repression and over-expression phenotypes

15.40 **David Dansereau** *midlife crisis* is required for germline stem cell maintenance in the ovary.

16:00-18:00 Poster session 1

Saturday May 28, 2005

08.00-09.00 Breakfast

09.00-10.20 Platform session V- Regulation of Gene Expression I

9.00 **Leola Chow** Functional dissection of the role of scalloped (sd) in *Drosophila* wing and eye development

9.20 **Ankush Garg** Re-examining the Binding Properties of Scalloped

9.40 **Hugh Brock** Additional sex combs is required for the heat shock response and is required to recruit Trithorax

10.00 **Jacob Hodgson** Mechanisms for regulation of hsp70 by heat induced recruitment of Asx and Trx

10.20-10.45 Coffee break

10.45-11.45 Platform session VI- Regulation of Gene Expression II

10.45 **Scott Neal** A functional and comparative genomic analysis of heat-induced gene expression in *Drosophila*

11.05 **Anthony Percival-Smith** The HOX protein Proboscipedia regulates the EGF receptor pathway during maxillary palp development

11.25 **Carol Schwartz** Tandem RNA Affinity Purification (TRAP): A new technique to purify protein complexes that bind to RNA

12.00-13.30 Lunch

13.30-14.30 Platform session VII- Functional Genomics

13.30 **Jean-Baptiste Peyre** Application of the Gene Search system to screen for genes affecting nervous system development or function.

13.50 **Edan Foley** My Part in the War on Terror - A Preemptive Innate Immune Strike

14.10 **Tim Westwood** Recent Developments at the Canadian *Drosophila* Microarray Centre

14.30-16.00 Coffee break

14:30-16:30 Poster session 2

Sunday May 29, 2005

08.00-09.00 Breakfast

09.00-10.20 Platform session VIII- Signal Transduction II

9.00 **Andrew Swan** Specialized roles for two *Drosophila* Cks genes in cell cycle progression

9.20 **Gilberto Dos Santos** Apical mRNA localization regulates the extracellular movement and activity of the WINGLESS protein in *Drosophila*

9.40 **Ho-Chun Wei** Phosphoinositides are required for spermatid elongation, axoneme outgrowth and septin organization during spermatogenesis in *Drosophila*

10.00 **Sharon Gorski** Molecular Characterization of Autophagic Cell Death

10.20-10.45 Coffee break

10.45-11.45 Platform session IX- Chromatin Structure

10.45 **Vett Lloyd** Genomic Imprinting In Sexually Produced And Cloned Flies

11.05 **Monica Syrzycka** Genetic and Molecular Analysis of Proximal Heterochromatin of Chromosome 3

11.25 **Sandra Schulze** The Nuclear Envelope and Human Disease: Modeling Laminopathies in *Drosophila*

11.45-1.30 Closing remarks, lunch and departure