

## **Program-at-a-Glance**

### **Day 1 – Sunday, June 9<sup>th</sup>**

15:00-19:00 Registration

18:30-20:30 Welcoming Reception and Dinner

### **Day 2 – Monday, June 10<sup>th</sup> – Victoria Ballroom**

8:45-9:00 Opening remarks – Torsten Wiesel, HFSP Secretary General  
Welcoming address – Arthur Carty, President, National Research Council Canada

9:00-10:40 Presentations

10:40 Coffee

11:10-12:10 Presentations

12:30-13:30 Lunch

14:00-16:00 Poster session

16:00-18:00 Chalkboard sessions

18:00 Plenary Lecture

### **Day 3 – Tuesday, June 11<sup>th</sup>**

9:00-10:40 Presentations

10:40 Coffee

11:10-12:30 Presentations

12:30 Lunch and free afternoon

18:15 Shuttle bus departure

18:30 Reception / Dinner at the Canadian Museum of Civilization

### **Day 4 – Wednesday, June 12<sup>th</sup>**

9:00-10:40 Presentations

10:40 Coffee

11:10-12:30 Presentations

12:30-13:30 Lunch

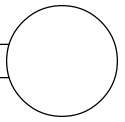
14:00-16:00 Poster session

16:00-18:00 Chalkboard sessions

18:00 Plenary Lecture

19:00 Farewell reception





## Program

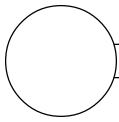
### Sunday, June 9<sup>th</sup>

- 15:00-19:00 Registration – *Marriott Hotel, Second Floor*
- 18:30-20:30 Welcoming Reception and Dinner – *Victoria North Ballroom, Second Floor*

### Monday, June 10<sup>th</sup>

- 8:45-9:00 Opening remarks – Torsten Wiesel, *HFSP Secretary General*  
Welcoming address – Arthur Carty, *President, National Research Council Canada*
- 9:00 Molecular analysis of the segmentation clock in vertebrates and invertebrates  
*Pourquié, O., Ish-Horowicz D., Niehrs, C., Patel, N.*
- 9:20 Four dimensional receptor tyrosine kinase signaling during mouse development  
*Corson, L.B., and Rossant, J.*
- 9:40 Protein tyrosine phosphatase 1B as a negative regulator of growth hormone signaling by controlling JAK2 dephosphorylation  
*Gu, F., Dubé, N., Boisclair, Y.R., Tremblay, M.L.*
- 10:00 Developmental origins of hematopoietic stem cells  
*Dzierzak, E., Orelio, C., de Bruijn, M., Ma, X., Robin, C., Peeters, M., Oostendorp, O., Patient, R., Hara, T., Keller, G., Charbord, P. and Peault, B.*
- 10:20 Developmental biology of color polymorphisms in butterfly wing patterns  
*Cieslak, A., Collins, S., Heckel, D.G., Nijhout, H.F., Sekimura, T., Vane-Wright, R.I., Vogler, A.P.*
- 10:40 Coffee – *Ballroom Foyer*
- 11:10 Molecular misreading and cellular quality control in Alzheimer's disease  
*Hol, E.M., Nair S.M., de Vrij, F.M.S., Jäck, H.-M., Roelofs, R.F., Sluijs, J.A., Racchi, M., Verhaagen, J. and van Leeuwen, F.W.*
- 11:30 Early transcription regulation of *Drosophila* primordial germ cells  
*Martinho, R.G., Kunwar, P., Lehmann, R.*
- 11:50 Direct DNA targets and Chromatin profiling for the *Drosophila* dMyc transcriptional network using tethered Dam methyltransferase (Dam-ID)  
*Orian, A., Van Steensel, B., Loo, L., Henikoff, L., Delrow, J., Parkhurst, S.M., and Eisenman, R.N.*
- 12:10 Novel small RNA-encoding genes in the intergenic regions of *Escherichia coli*  
*Wagner, E.G.H., Altuvia, S., Margalit, H., Argaman, L., Hershberg, R., Vogel, J. and Bejerano, G.*
- 12:30-13:30 Lunch – *Merlot Restaurant, 28th Floor*
- 14:00-16:00 Poster session – *Victoria South/Alta Vista*

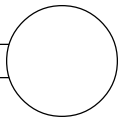




- 16:00-18:00 Chalkboard sessions:
- #1 Developmental Genetics (Chair: Paul Lasko) *Capital/Carleton Rooms*
  - #2 Structural Biology (Chair: Emil Pai) *Dalhousie Room*
  - #3 Cellular and Molecular Neuroscience (Chair: Gill Bates) *Rideau Room*
  - #4 Gene Expression and Regulation (Chair: Gerhart Wagner) *Wellington Room*
- 18:00 **Plenary Lecture** – *Victoria North Ballroom*  
Ion Channels – Lecturer: Rod MacKinnon

**Tuesday, June 11<sup>th</sup>**

- 9:00 Understanding corticogenesis through the analysis of genes involved in neuronal migration disorders  
*Chelly, J., Francis, F., Friocourt, G., Orly Reiner, O., McConnell, S.K., Schaar, B.S.*
- 9:20 Design and testing of rational therapeutic approaches for Huntington's disease  
*Bates, G.P., Apostol, B.L., Bodai, L., Dröge, A., Engelman, S., Göhler, H., Hockly, E., Kazantsev, A., Mahal, A. Pallos, J., Slepko, N., Smith, D., Steffan, J.S., Woodman, B., Housman, D., Marsh, J.L., Davies, S.W., Wanker, E. E. and Thompson, L. M.*
- 9:40 Reconstitution of the spliceosome's U1 snRNP from all recombinant subunits: dissection of interacting subunits and study of their provisional stability by electrospray Q-tof mass-spectrometry  
*Pomeranz Krummel, D.A., Hernández, H., Muto, Y., Robinson, C.V., and Nagai, K.*
- 10:00 The Nova-2 paraneoplastic neurologic disease antigen is necessary for survival in the mouse and regulates RNA splicing in neurons.  
*Ruggiu, M., Zhong, R, and Darnell, R.B.*
- 10:20 Study of the function of nuclear receptors in the mouse through conditional somatic mutagenesis  
*Desvergne, B., Metzger, D., Chambon, P., Samarut, J., Kato, S., Ichinose, H., Wahli, W.*
- 10:40 Coffee – *Ballroom Foyer*
- 11:10 Heparan -proteoglycan dependent axon branching induced by the Kallmann syndrome gene kal-1  
*Buelow, H., Berry, K., Soussi-Yanicostas, N., Hardelin, J.P., Topper, L., Peles, E., Petit, C. and Hobert, O.*
- 11:30 Prediction and design of protein protein interactions  
*Kortemme, T., Baker, D.*
- 11:50 A distinct pathway remodels mitochondrial cristae and mobilizes cytochrome C during apoptosis  
*Scorrano, L., Ashiya, M., Buttle, K., Weiler, S., Oakes, S.A., Mannella, C.A., and Korsmeyer, S.J.*

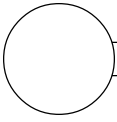


- 12:10 Importation of RNA into mitochondria: mechanisms and biomedical significance  
*Tarassov, I., Entelis, N., O., Rubio, M.A.T, Kolesnikova, Kaneko, T., Kapushoc, S.T., Watanabe; Pesant, G., K., Steinberg, S., Aphasizhev, R., Martin, R., Suzuki, T., Alfonzo, J.A., Simpson, L.*
- 12:30 Lunch and free afternoon – *Merlot Restaurant, 28th Floor*
- 18:15 Shuttle bus departures to the Canadian Museum of Civilization leave from the Marriott Hotel lobby
- 18:30 Reception / Dinner at the Canadian Museum of Civilization  
Guest Speakers:  
Tom Brzustowski, *President, Natural Sciences and Engineering Research Council of Canada (NSERC)*  
Alan Bernstein, *President, Canadian Institutes of Health Research*

### Wednesday, June 12<sup>th</sup>

- 9:00 Language and the Infant Brain  
*Kuhl, P.K.*
- 9:20 Targets of homeobox genes in the nematode *C.elegans*  
*Eizinger, A., and Kim, S.K.*
- 9:40 Replication and protection of chromosome ends  
*Cooper, J.P., Cech, T.R., Hiraoka, Y., Lingner, J.*
- 10:00 Establishment of asymmetric division in *B. subtilis*  
*Ben-Yehuda, S., and Losick, R.*
- 10:20 Internal models for multiple tasks in sensorimotor controls  
*Kalaska, J., Wolpert, D., Lemon, R., Kawato, M., Kitazawa, S., Flanagan, R.*
- 10:40 Coffee – *Ballroom Foyer*
- 11:10 A WAVE1-complex mediates actin nucleation by Rac1 and NCK  
*Eden, S., Rohatgi, R., Podtelejnikov, A.V., Mann, M. and Kirschner, M.*
- 11:30 Cell movements during gastrulation are dependent on the ARID gene, *dril*.  
*Callery, E.M., and Thomsen, G.H.*
- 11:50 Regulation of developmental gene expression by chromatin –mediated mechanisms.  
*Rupp, R.A.W., Wolffe, A.P., Otte, A.P.*
- 12:10 Transcription-Associated Recombination (TAR)  
*Wahls, W.P., Aguilera, A., and Ohta, K.*
- 12:30-13:30 Lunch – *Merlot Restaurant, 28th Floor*
- 14:00-16:00 Poster session – *Victoria South/Alta Vista*





- 14:00-16:00    Poster session – *Victoria South/Alta Vista*
- 16:00-18:00    Chalkboard sessions:
- #1    Developmental Cell Biology (Chair: Janet Rossant)    *Capital/Carleton Rooms*
  - #2    Systems and Cognitive Neuroscience (Chair: John Kalaska)    *Dalhousie Room*
  - #3    Cell Signalling (Chair: NN)    *Rideau Room*
  - #4    Chromosomes (Chair: Ralf Rupp)    *Wellington Room*
- 18:00            **Plenary Lecture** – *Victoria North Ballroom*  
Protein synthesis, proteolysis, and the control of cell cycle transitions  
Lecturer: Tim Hunt
- 19:00            Farewell reception – *Mackenzie Room, 28th Floor*