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# CSBMCB 47th Annual Meeting

## Preliminary Program

### Cellular Signalling: From the membrane to the nucleus

**THURSDAY MAY 27TH, 2004**

**OPENING SESSION**

Opening remarks:

John Orłowski and Terry Hébert

**CSBMCB AWARDS LECTURES**

19h30 – 21h30 pm

**Merck-Frosst Prize**

Richard Wozniak

Department of Cell Biology, University of Alberta  
*Cell cycle specific regulation of nuclear transport*

**Jeanne Manery Fisher**

**Memorial Lectureship**

Morag Park

Molecular Oncology Group, McGill University  
*The Met receptor tyrosine kinase: from tubes to tumorigenesis*

**OPENING RECEPTION**

Sponsored by Affymetrix

21h30-23h00

**FRIDAY MAY 28TH, 2004**

**MORNING SESSION I:**

Ion channels/transporters: roles in cellular signalling and gene regulation

Chairs: Lucie Parent and Céline Fiset

8h00 Morris Karmayzn

Department of Physiology and Pharmacology,  
University of Western Ontario  
*The cardiac Na-H exchanger: a key downstream mediator for the cellular hypertrophic effects of paracrine, autocrine and hormonal factors*

8h35 Ligia Toro

Department of Anesthesiology,  
David Geffen School of Medicine, UCLA  
*Regulation of smooth muscle K<sup>+</sup> channels by sex hormones*

9h10 Jacques Barhanin

Institut de Pharmacologie du CNRS,  
Valbonne Sophia-Antipolis, France  
*Heteromeric KCNQ1 K<sup>+</sup> channels: heterogeneity and physiological roles*

9h45 Alvin Shrier

Department of Physiology, McGill University  
*Localization of Kv4.2 and other membrane proteins*

10h20 Francisco Benzanilla

Department of Physiology,  
David Geffen School of Medicine, UCLA  
*Voltage sensors in voltage-gated ion channels: what have we learned from the crystal structure?*

10h55 Coffee Break

**MORNING SESSION II:**

Tyrosine kinase receptor signalling - interplay between kinases and phosphatases

Chair: Jana Stankova

11h15 Michel Tremblay

McGill Cancer Centre, McGill University  
*Physiological consequences of insulin receptor and Janus family kinases modulation by protein tyrosine phosphatases*

11h50 Kenneth Hillan

Department of Pathology, Genentech  
*Predicting response to targeted therapeutics*

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12h25 Amira Klip

Division of Cell Biology,  
Hospital for Sick Children  
*Insulin regulates the intracellular traffic,  
docking and fusion of the muscle cell glu-  
cose transporter GLUT4*

13h00 Lunch

**AFTERNOON SESSION:**

Large Scale Approaches and Model Systems  
for Cellular Signalling

Chairs: Bruce Allen and Angelino Calderone

14h00 Albert Berghuis

Departments of Biochemistry, Microbiology  
and Immunology, McGill University  
*Cellular signalling and antibiotic resistance:  
What are you doing there?*

14h35 Sergio Grinstein

Division of Cell Biology,  
Hospital for Sick Children)  
*Phosphoinositide signalling during bacterial  
invasion and phagocytosis*

15h10 **Coffee Break**

15h30 Vanessa Auld

Cell Biology Group, Department of Zoology,  
UBC  
*Genetic approaches to understanding glia  
and blood-brain barrier development*

16h05 Susan Parkhurst

Fred Hutchison Cancer Research Center,  
Seattle Washington  
*Rho GTPases in early Drosophila  
development*

**POSTER SESSION I: 17h00-19h00**

19h00 **Supper**

21h00 Plenary Session on Signal Integration:

Gary Johnson

Department of Pharmacology,  
University of North Carolina  
*A connections map for MEKK1-4 regula-  
tion of MAPKs and control of cellular  
physiology*

J. Sylvio Gutkind

NIH/NIDCR Bethesda, MD  
*A new RHOad linking G protein-coupled  
receptors to the nucleus*

22h30 **Posters/Social**

**SATURDAY MAY 29TH, 2004**

**MORNING SESSION I:**

G protein-coupled receptor signalling

Chairs: Jean-Luc Parent and Eric Thorin

8h00 Audrey Claing

Département de pharmacologie,  
Université de Montréal  
*G protein-coupled receptor endocytosis:  
role of ARF proteins*

8h35 William Miller

Department of Molecular Genetics,  
University of Cincinnati  
*Regulation of HCMV GPCR signal  
transduction by host cell proteins*

9h10 David Siderovski

Department of Pharmacology,  
University of North Carolina  
*RGS proteins: more than just  
G-alpha GAPs*

9h45 **Coffee Break**

**MORNING SESSION II:**

Scaffolding proteins/adaptors and signalling  
networks

Chair: Terry Hébert

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**10h15 Michel Bouvier**  
Département de biochimie,  
Université de Montréal  
*Oligomeric assemblies of 7TM receptors  
within modular signalling complexes*

**11h05 Susan Steinberg**  
College of Physicians and Surgeons,  
Columbia University  
*Beta-adrenergic receptor signalling in car-  
diomyocyte caveolae*

**11h40 Angela Clerk**  
NHLI Division (Cardiac Medicine) Imperial  
College London, London, UK)  
*Signalling through the MAPKs in the  
cardiac myocyte*

**12h00 Lunch**

**AFTERNOON SESSION:**

Apoptosis- sponsored by BD Biosciences

Chair: David Andrews

**14h00 Doug Green**  
La Jolla Institute of Allergy and Immunology,  
La Jolla, CA  
*Mitochondria and apoptosis:  
A dance of death*

**14h35 Sally Kornbluth**  
Department of Pharmacology and Cancer  
Biology, Duke University  
*In vitro reconstitution of apoptotic  
processes*

**15h10 Richard Youle**  
NIH, NINDS  
*Role of Bcl-2 family members and  
mitochondrial morphology in apoptosis*

**15h45 Coffee Break**

**16h00 Don Nicholson**  
Merck-Frosst  
*Caspase modulation*

**16h35 Eileen White**  
Department of Molecular Biology and  
Biochemistry, HHMI, Rutgers University  
*Role of apoptosis in suppression of  
tumorigenesis*

**POSTER SESSION II 17h30-19h00**

**19h00 Banquet**

**22h00 Posters/Social**