

# Fellow's Day 2010

program

June 18

de Grandpré communications centre

## **8:00 Welcome remarks**

### **MOVEMENT DISORDER**

- 8:15 Receptor DCC in Development and Survival of Midbrain Dopaminergic Neurons Pik Shan Lo
- 8:30 Genetic program for survival of midbrain dopaminergic neurons is dependent on Pitx3 Panojot Bifsha
- 8:45 Creation of a Computerized MRI-integrated High-Resolution Volumetric Atlas of the Basal Ganglia and Thalamus, with Examples of Clinical Applications to Movement Disorders Surgery Vladimir V. Rymar
- 9:00 Parsing out the Role of the Thalamus in the Network which Generates Essential Tremor and Tremor in Parkinson's Disease. Jean-Francois Daneault
- 9:15 Alterations in TrkB and Glutamate Receptor Signaling Contributes Striatal Neuron Survival in Huntington's Disease KQ. Nguyen
- 9:30 BDNF silencing in the parafascicular nucleus of thalamus: Implication for Huntington's disease Pershia Samadi
- 9:45 Uncovering ethical and social challenges in Canadian neurostimulation: Perspectives from a multi-site study of healthcare providers Emily Bell

10:00 – 10:15 BREAK

### **NEURO-ONCOLOGY / MOLECULAR**

- 10:15 SLIT2 Inhibits Brain Tumour Invasion by Downregulating MMP14 Mohamad Seyed Sadr
- 10:30 Control of glioblastoma self-renewal and proliferation by the transcription factor FOXG1 Alessandro Perin
- 10:45 DRR, a Novel Modulator of Focal adhesions in Glioma A.Ajlan
- 11:00 A Continuum of MGMT Promoter Methylation and MGMT Activity J. Alshami
- 11:15 Detection of Temozolomide and MTIC in Blood of Glioma Patients Treated with Temozolomide M. Anan

11:30 Mechanical Properties of Human Brain and Tumour Tissues  
Patricia Debergue

11:45 A novel way to train and assess neurosurgeons: NeuroTouch, a  
virtual reality simulator N. Gelinas-Phaneuf

12:00 – 1:00 LUNCH

### **SURGICAL NEURO-ONCOLOGY**

13:00 A Novel Use of Milrinone in Brain Tumour Surgery  
Mohammad Altaieb

13:15 Intraoperative 3D ultrasound for brain tumor surgery: a case  
report Laurence Mercier

13:30 Five-year experience of McGill University's Adolescent and  
Young Adult Oncology Program - The challenge of  
serving a unique, underserved population Michael Palumbo

13:45 Paediatric Posterior Fossa Tumors and the Prediction of Adverse  
Outcomes Regarding CSF Diverting Procedures O. Lasry

14:00 – 14:15 BREAK

### **FUNCTIONAL / VASCULAR**

14:15 Vena basalis ; A new look at the Vein of Rosenthal with double  
dose Gadolinium MRI study Wisam Al Issawi

14:30 Anatomy of the insula and surgical planning: tractography of  
insular gyri Marcelo M. Valença

14:45 Comparison of Selective Amygdalohippocampectomy Versus  
Anterior Temporal Resection in Mesial TLE Surgery – a  
DTI-based Study Ehsan Sherafat Kazem Zadeh

15:00 The Use of Tripolar Leads in Spinal Cord Stimulation, Initial  
Series Hosam Al-Jehani

15:15 Reversible Neuropsychological Deficits in Dural AV Fistulas  
Dr. Gaurav Goel

15:30 Intracranial blister aneurysms: ambiguity awaited truth. Report  
of four cases and review of literature Ahmed Al Jishi

# 2010 Feindel Lecture

**PSYCHOSURGERY.....revisited**

**Dr G. Rees Cosgrove**



Professor and Chairman

Department  
of Neurosurgery

Brown University

Rhode Island Hospitals