

Scientific Program

8.30 – 5.00 REGISTRATION DESK OPEN

8.45 – 9.00 OPENING REMARKS

THEME: SENSORY AND MOTOR SYSTEMS

CHAIR: DR. BRENT FEDIRCHUK, FACULTY OF MEDICINE, UNIVERSITY OF MANITOBA

9.00 – 9.25 PREVENTING OTOTOXICITY AND RESCUING HAIR CELLS

DR. BRIAN BLAKELY
DEPARTMENT OF OTOLARYNGOLOGY
UNIVERSITY OF MANITOBA

9.35 – 10.00 POSTERIOR CORTICAL ATROPHY: INSIGHTS INTO PERCEPTION AND ACTION

DR. JONATHAN MAROTTA
DEPARTMENT OF PSYCHOLOGY
UNIVERSITY OF MANITOBA

10.00 – 10.20 COFFEE BREAK

10.30 – 10.45 DIFFERENCES IN FLEXOR AND EXTENSOR MOTOR OUTPUT RESPONSES TO 5-HT RECEPTOR ACTIVATION

DR. JEREMY CHOPEK
DEPARTMENT OF PHYSIOLOGY
SPINAL CORD RESEARCH CENTRE
UNIVERSITY OF MANITOBA

10.55 – 11.20 INVESTIGATING THE SPINAL NEUROCHEMICAL MECHANISMS CONTRIBUTING TO GAIT AND POSTURE

DR. KRISTINE COWLEY
DEPARTMENT OF PHYSIOLOGY
SPINAL CORD RESEARCH CENTRE
UNIVERSITY OF MANITOBA

11.30 – 11.55 HOW DOES THE NERVOUS SYSTEM DO WHAT IT DOES? UNDERSTANDING NETWORKS OF NEURONS THROUGH COMPUTATIONAL MODELS.

DR. DAVE MCCREA
DEPARTMENT OF PHYSIOLOGY
SPINAL CORD RESEARCH CENTRE
UNIVERSITY OF MANITOBA

12.05 – 1.05 LUNCH, POSTER VIEWING

THEME: DEVELOPMENTAL AND DISORDERS OF THE CNS

CHAIR: DR. HASSAN MARZBAN, FACULTY OF MEDICINE
UNIVERSITY OF MANITOBA

1.05 - 1.30 PREMATURE BIRTH AND THE DEVELOPING BRAIN

DR. MARC DEL BIGIO
DEPARTMENT OF PATHOLOGY
UNIVERSITY OF MANITOBA

1.40 - 2.05 MECHANISM OF PANNEXIN CHANNEL ACTIVATION FOLLOWING ENDOPLASMIC RETICULUM STRESS

DR. MICHAEL JACKSON
DEPARTMENT OF PHARMACOLOGY & THERAPEUTICS
KLEYSSEN INSTITUTE FOR ADVANCED MEDICINE
UNIVERSITY OF MANITOBA

2.15 - 2.35 COFFEE BREAK

2.35 - 3.00 RATIONALE FOR USE OF MESENCHYMAL STROMAL CELLS IN TRANSPLANTATION.

DR. DONNA WALL
DEPARTMENTS OF PEDIATRICS AND CHILD HEALTH, IMMUNOLOGY AND INTERNAL MEDICINE
REGENERATIVE MEDICINE PROGRAM
UNIVERSITY OF MANITOBA

3.10- 4.00 VISITING SPEAKER:

A PTEN INHIBITOR, BISPEROXOVANADIUM (PHEN) INCREASES CNS MYELINATION BY AMPLIFYING IGF-1 SIGNALING
DR. GUILLERMINA ALMAZAN
DEPARTMENT OF PHARMACOLOGY
MCGILL UNIVERSITY

4.10 - 6.30 POSTER SESSION AND SOCIAL RECEPTION