

University of Toronto Spine Program

Update in Research Meeting

Date: Tuesday August 13th 2013

Time: 4:00-6:00.

Location: Surgical Skills Centre, Mount Sinai Hospital, 600 University Avenue, Level 2, Room 250, Toronto.



OBJECTIVE

Stimulate awareness of the breadth of **FUNDAMENTAL** and **TRANSLATIONAL** spine research at the University of Toronto and enhance connectivity among **Clinical Fellows, Research Trainees, Clinicians and Scientists.**



**Fundamental
Research**

**Translational
Research**

AGENDA

4:00-4:30 pm

Surgical Skills Centre Tour

4:30 – 4:40 pm

Introduction

(Dr. Fehlings, Dr. Albert Yee)

4:40-5:40 pm

Research Minutes

Translation and Fundamental Research Updates

5:40-5:55 pm

Round Table Discussion

- 1.0 Fundamental spine research: Innovation and opportunity.
- 2.0 Towards building capacity within the field of Spine Research:
Fundamentals of becoming a clinician scientist.

5:55-6:00 pm

Concluding Remarks

Research Minutes:

- 1 **Mark Erwin, DC, PhD**
[Translational, regenerative strategies concerning degenerative spine disease.](#)
- 2 **Carlo Ammendolia, DC, PhD**
[Degenerative lumbar spinal stenosis](#)
- 3 **Tilak Dutta PhD & Geoff Fernie PEng, CEng, FCAHS, PhD**
[Estimating Cumulative Load from Spine Shrinkage](#)
- 4 **Tyson Beach PhD, David Frost PhD, Doug Richards, MD**
[Musculoskeletal Biomechanics & Injury Prevention Laboratory](#)
- 5 **Karl F Zabjek PhD, Reinhard Zeller MC, FRCSC**
[Pediatric Spinal Deformities](#)

Research Minutes: Trainee

- 1 Stephanie Zhou, Hamid Ebrahimi, Arjun Sahgal, & Cari Whyne
[Quantification of spinal metastasis in SBRT patients](#)
- 2 Cari Whyne, Stewart McLachlin, Brendan Polley, & Normand Robert
[Development of an Open Source Pedicle Screw Simulation Software](#)
- 3 Dan Vena, Karl Zabjek, & Reinhard Zeller
[Characterizing signal properties of the channeling portion of pedicle screw insertion](#)
- 4 Ngai Chow, & Carlo Ammendolia
[Boot Camp for Lumbar Spinal Stenosis](#)
- 5 B Sharma, C Bradbury, D Mikulis, & R Green
[Determining the frequency of missed acute care traumatic brain injury diagnoses in spinal cord injury patients](#)

Research Minutes: Trainee

- 6 Drazen Glisic, Joyce Lee, Samuel J. Howarth, & Tyson Beach
[Influence of prolonged sitting on the flexion-relaxation phenomenon.](#)
- 7 Lindsay Musalem and Tatjana Stankovic, & Tyson Beach
[Electromyographical and Biomechanical demands of two trunk flexor endurance tests variations: Impact of body position and sex.](#)
- 8 Emily King, & Geoff Fernie
[Spinal loading experienced by home caregivers, Technology Team - Toronto Rehab](#)
- 9 Eric Grayson, Shannon Kennedy, Reinhard Zeller, & Karl Zabjek
[Paediatric Spinal Deformities: Development of new measures to better assess outcomes following treatment.](#)

Round Table Discussion

1.0 Fundamental spine research: Innovation and opportunity.

2.0 Towards building capacity within the field of Spine Research:

3.0 Fundamentals of becoming a clinician scientist.