Announcing the 2020 Saltin International Graduate Webinar

Keynote Lectures:

Exercise and IL6 – a translational perspective
Bente Klarlund Pedersen, Rigshospitalet, Copenhagen

TGF-ß2 as a novel exercise-inducible adipokine
Laurie Goodyear, Harvard University

Lecture Sessions:
- Cardiorespiratory Physiology
- Muscle & Neural Physiology
- Nutrition-Metabolism
- Metabolism

This year, the Saltin International Graduate Course will be held in a virtual format over 2 days. The course focuses on the integrated physiological responses to exercise and covers key concepts and methods from the molecular to the organ system to whole body levels. The theme of the Webinar this year is ‘Foundations to Frontiers’.

The webinar will cover a broad array of topics, experimental approaches, pan-national and international perspectives in the field of exercise physiology. The course also aims to foster student networks and collaborations between research groups. Students will have a unique opportunity to hear and interact with internationally recognized scholars. Students at the PhD level with a relevant background are welcome to register. There is a $15.00 CDN registration fee. Register today as enrolment is limited.

Registration opens on Tuesday, September 8, 2020. Please add this event to your calendar and standby for updates.

For more details click here or copy and paste this link into your browser: kin.educ.ubc.ca/saltin2020

Contact: saltincourse.kin@ubc.ca
Announcing the 2020
Saltin International Graduate Webinar
October 7-8, 2020
“Foundations to Frontiers”

Scheduled Times Are Set At Eastern Standard Time

Day 1: Wednesday October 7

10:00-10:15  **Introduction:**
Exercise Physiology, Bengt Saltin and the Canadian Perspective
*Robert Boushel, University of British Columbia*

10:15-10:50  **Keynote Lecture**
Exercise and IL6 - a translational perspective
*Bente Klarlund Pedersen, Rigshospitalet, Copenhagen*
Introduced by *Mary-Ellen Harper, University of Ottawa*

10:50-11:00  Q/A Discussion

Session 1:  **Cardiovascular Physiology**
*Chair: Ylva Hellsten, University of Copenhagen*

11:00-11:20  Pulmonary-Circulatory interactions during exercise
*Bill Sheel, University of British Columbia*

11:25-11:45  Role of left ventricular mechanics in meeting the acute and chronic demands of exercise
*Rob Shave, University of British Columbia*

11:50-12:10  Muscle microcirculatory regulation and oxygen flux
*Graham Fraser, Memorial University*

12:15-12:30  Q/A Discussion

**Break**

Session 2:  **Muscle-Neural Physiology**
*Chair: Niels Ørtenblad, University of Southern Denmark*

1:00-1:20  Exercise-dependent plasticity of motoneurons
*Jayne Kalmar, Wilfrid Laurier University*

1:25-1:45  Skeletal muscle adaptation to aerobic exercise training
*Jenna Gillen, University of Toronto*

1:45- 2:00  Q/A Discussion
Day 2: Thursday October 8

10:00-10:15  Introduction:  
Exercise and Clinical Physiology -The Copenhagen Tradition  
*Michael Kjaer, University of Copenhagen*

10:15-10:50  Keynote Lecture  
TGF-β2 as a novel exercise-inducible adipokine  
*Laurie Goodyear, Harvard University*  
Introduced by *Jørgen Wojtaszewska, University of Copenhagen*

10:50-11:00  Q/A Discussion

Session 1:  
**Nutrition-Metabolism**  
*Chair: Cathy Chan, University of Alberta*

11:00-11:20  Exercise and the gut  
*Jane Shearer, University of Calgary*

11:25-11:45  Exercise and the brain  
*Rebecca McPherson, Brock University*

11:50-12:10  Brain activation and neural networks during exercise  
*Kevin Shoemaker, Western University*

12:10-12:25  Q/A Discussion

**Break**

Session 2:  
**Metabolism:**  
*Chair: André Carpentier, Université de Sherbrooke*

1:00-1:20  Exercise and GDF-15 regulation of metabolism  
*David Wright, University of Guelph*

1:25-1:45  Muscle metabolic microstructure and exercise  
*Clara Prats, University of Copenhagen*

1:50-2:10  Skeletal muscle mitochondrial lifecycle: roles of exercise and obesity  
*Mary-Ellen Harper, University of Ottawa*

2:10-2:25  Q/A Discussion

2:30-2:45  Perspectives and Future  
*Jerome Dempsey, University of Wisconsin*  
*Robert Boushel, University of British Columbia*

**Organizing Committee**  
*Robert Boushel, University of British Columbia*  
*David Wright, University of Guelph*  
*Mary-Ellen Harper, University of Ottawa*  
*Kathy Manson, University of British Columbia*  
*Emil Holm Toft, Rigshospitalet, Copenhagen*  
*Inge Holm, Rigshospitalet, Copenhagen*

*Saltin 2021 will take place Oct 4-7, Queen’s Landing, Niagara-on-the-Lake, Ontario*