Announcing the 2020 Saltin International Graduate Webinar

Save the Date: October 7-8, 2020

"Foundations to Frontiers"

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

2020 Saltin International Graduate Webinar in Exercise and Clinical Physiology

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-ß2 as a novel exercise-inducible adipokine
Laurie Goodyear, Harvard University
Introduced by *Jørgen Wojtaszewski, 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

1:25-1:145 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*