



# 2020 Saltin International Graduate Webinar Program Schedule

*"Foundations to Frontiers"*

Wednesday October 7 & Thursday October 8, 2020

[kin.educ.ubc.ca/saltin2020](http://kin.educ.ubc.ca/saltin2020)

## 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*

# 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- $\beta$ 2 as a novel exercise-inducible adipokine  
*Laurie Goodyear, Harvard University*  
Introduction: TBD

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*

11:50-12:00 Q/A Discussion

### **Break**

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

12:30-12:50 Exercise and GDF-15 regulation of metabolism  
*David Wright, University of Guelph*

12:55-1:15 Muscle metabolic microstructure and exercise  
*Clara Prats, University of Copenhagen*

1:20-1:40 Skeletal muscle mitochondrial lifecycle: roles of exercise and obesity  
*Mary-Ellen Harper, University of Ottawa*

1:45-2:00 Q/A Discussion

2:00-2:15 Perspectives and Future  
*Jerome Dempsey, University of Wisconsin*

### **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 Toft, Rigshospitalet, Copenhagen*

*Inge Holm, Rigshospitalet, Copenhagen*

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