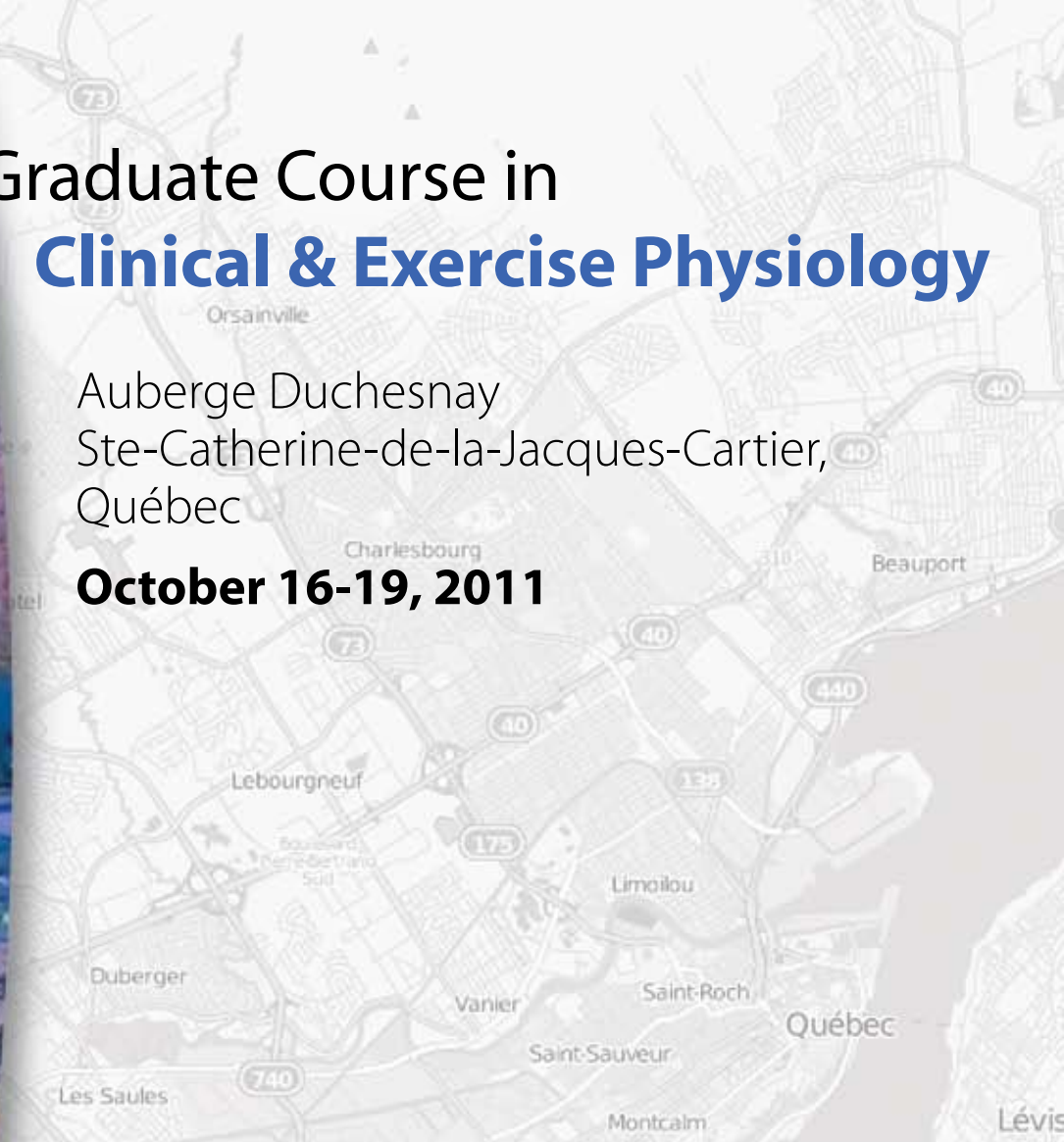


October 16-19, 2011

International Graduate Course in **Clinical & Exercise Physiology**

Auberge Duchesnay
Ste-Catherine-de-la-Jacques-Cartier,
Québec

October 16-19, 2011



Academy of Muscle Biology, Exercise & Health Research (AMBEHR)



Committees



Course Overview

The 1-week intensive advanced graduate-level course brings together faculty and students from Canadian and European Universities focusing on topics in exercise and clinical physiology. This integrative research-based course covers basic science topics on various physiological systems and extends to common clinical physiological applications. The international aspect of the course facilitates diverse exchange of research perspectives, themes and experimental approaches. The lecture topics and discussion format is intended to maximize student-student and student-faculty exchange.

Participants

Master's and Ph.D. students focusing on basic science research on topics related to Exercise and Clinical Physiology.

Format

Plenary Lectures, Seminars, Discussion Sessions & Student Research Presentations. Invited faculty will give Topical lectures followed by discussion periods, where all students are encouraged to actively participate. An important component of the course is for students to present their own research. This will take the form of an oral presentation in sub-groups supervised by faculty. Each student will give a talk of 10 min covering their ongoing or proposed research, followed by interactive discussion.

Organizing Committee

Mary Duggan, CSEP
Celena Scheede-Bergdahl, McGill University
Denis Joannis, Laval University
Audrie Hicks, CSEP President

University Administration

Liz Fradette, Concordia University
Marianne Arbirk, University of Copenhagen
Else Pedersen, University of Copenhagen
Graham Carr, Concordia University
Robert Kilgour, Concordia University

Faculty

Ylva Hellsten, University of Copenhagen
Peter Schjerling, University of Copenhagen
Robert Boushel, University of Copenhagen
Bengt Saltin, The Copenhagen Muscle Research Centre
Erich Gnaiger, University of Innsbruck
Johannes van Lieshout, Amsterdam Medical U
Jose Calbet, University of Las Palmas
Charles Hoppel, Case Western University
Terry Graham, University of Guelph
Graham Holloway, University of Guelph
Mary-Ellen Harper, University of Ottawa
Patrice Brassard, Laval University
Kristi Adamo, University of Ottawa
Maureen MacDonald, McMaster University
Kevin Shoemaker, University of Western Ontario
Phillip Gardiner, University of Manitoba
Andreas Bergdahl, Concordia University

Course Program Committee

Robert Boushel, University of Copenhagen
Bengt Saltin, Copenhagen Muscle Research Centre
Terry Graham, University of Guelph

Course Credits

- * Canadian Students can apply for graduate credits (3cr) from their home institution
- * University of Copenhagen (4.5 ECTS)

Sponsored by:

- * Faculty of Arts & Science
Concordia University
- * School of Graduate Studies,
Concordia University
- * Faculty of Health Sciences
University of Copenhagen
- * Academy of Muscle Biology, Exercise &
Health Research (AMBEHR)

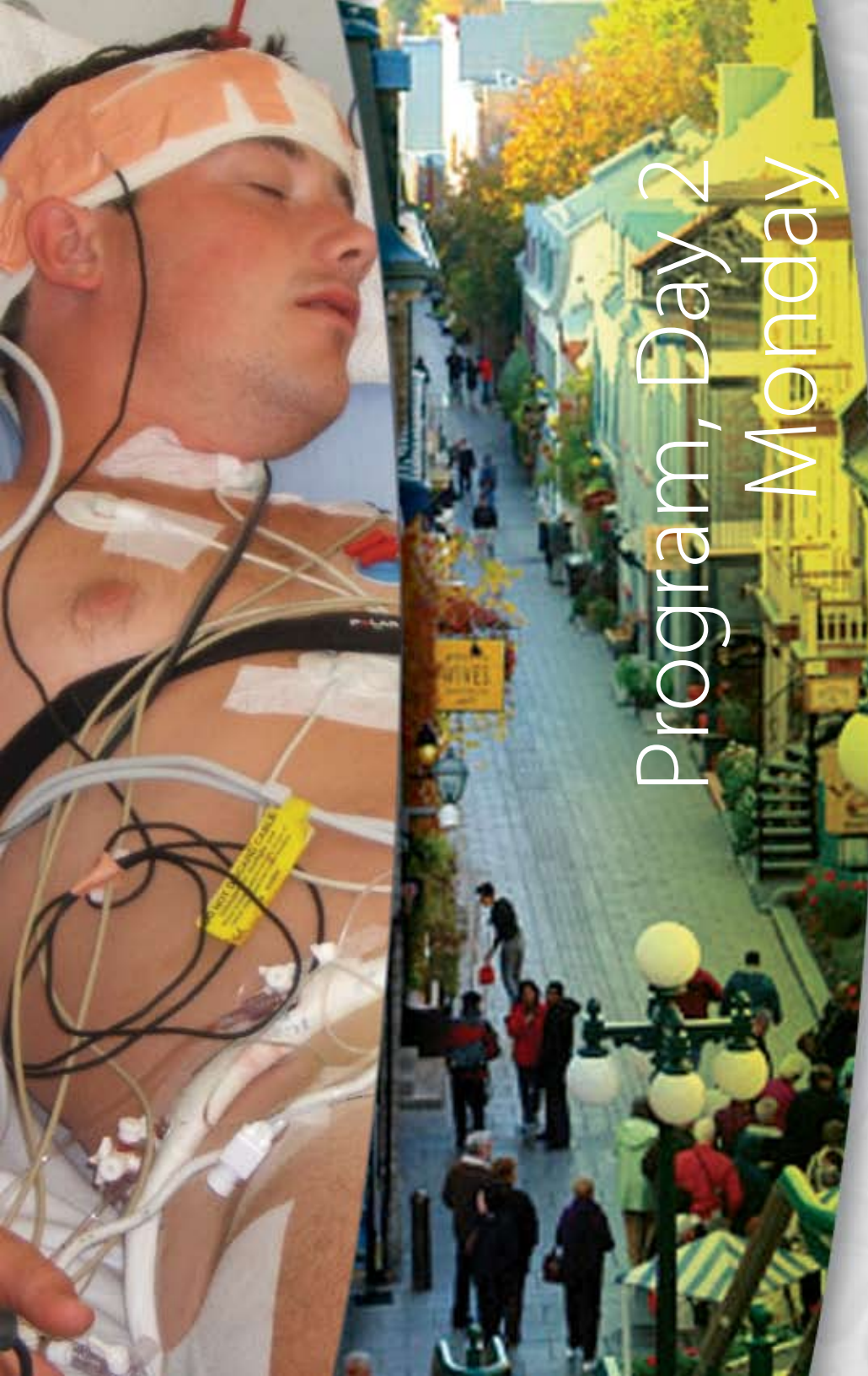


Program, Day 1 Sunday

Program, Day 1, Sunday

Experimental Approaches in Mitochondrial Function

- Welcome: Graham Carr, Dean of Graduate Studies
Concordia University
- Chair** Charles Hoppel, Case Western University
- 8:45 - 9:30 *'Approaching in-vivo Mitochondrial Function?'*
Erich Gnaiger, University of Innsbruck
- 9:30 - 10:15 Interactive Discussion
- 10:15 - 10:45 **Coffee/ Tea**
- Chair:** Graham Holloway, University of Guelph
- 10:45 - 11:30 *'Control of Mitochondrial Substrate oxidation'*
Mary Ellen Harper, University of Ottawa
- 11:30 - 12:00 *'Interactive Discussion'*
- 12:00 - 13:45 **Lunch**
- 13:45 - 16:00 *Student Research Presentations with Faculty*
- 19:00 - 20:00 **Dinner**
- Topical Lecture:
Chair: Erich Gnaiger, University of Innsbruck
- 20:00 - 20:30 *'Mitochondria: The Meter of Health and Disease'*
Charles Hoppel, Case Western University
- 20:30 - 21:00 Interactive Discussion



Program, Day 2 Monday

Program, Day 2, Monday

Experimental Approaches in Type 2 Diabetes

Chair

Graham Holloway, University of Guelph

8:45 - 9:30

'Metabolic studies in Obesity & Type 2 Diabetes'
Kristi Adamo, University of Ottawa

9:30 - 10:15

Interactive Discussion

10:15 - 10:45

Coffee/ Tea

Chair:

Patrice Brassard, Laval University

10:45 - 11:30

'The Restricting Brain in Type 2 Diabetes'
Johannes van Lieshout, Amsterdam Medical University

11:30 - 12:00

Interactive Discussion

12:00 - 13:45

Lunch

13:45 - 16:00

Student Research Presentations

19:00 - 20:00

Dinner

Topical Lecture:

Chair:

Andreas Bergdahl, Concordia University

20:00 - 20:30

*'Gene-environment Interaction in Metabolic Health:
The Greenland and Sweden Expeditions'*
Robert Boushel, University of Copenhagen
Jose Calbet, University of Las Palmas

20:30 - 21:00

Interactive Discussion



Program, Day 3 Tuesday

Tuesday, Day 3

Experimental Approaches in Exercise Training

Chair

Phil Gardiner, University of Manitoba

8:45 - 9:30

'Dose-Response- Hi-Low Intensity Training'
Maureen MacDonald, McMaster University

9:30 - 10:15

Interactive Discussion

10:15 - 10:45

Coffee/ Tea

Chair:

Mary-Ellen Harper, University of Ottawa

10:45 - 11:30

'Food- exercise interactions: the here and now'
Terry Graham, University of Guelph

11:30 - 12:00

'Interactive Discussion'

12:00 - 13:45

Lunch

13:45 - 16:00

'Student Research Presentations'

19:00 - 20:00

Dinner

20:00 - 21:00

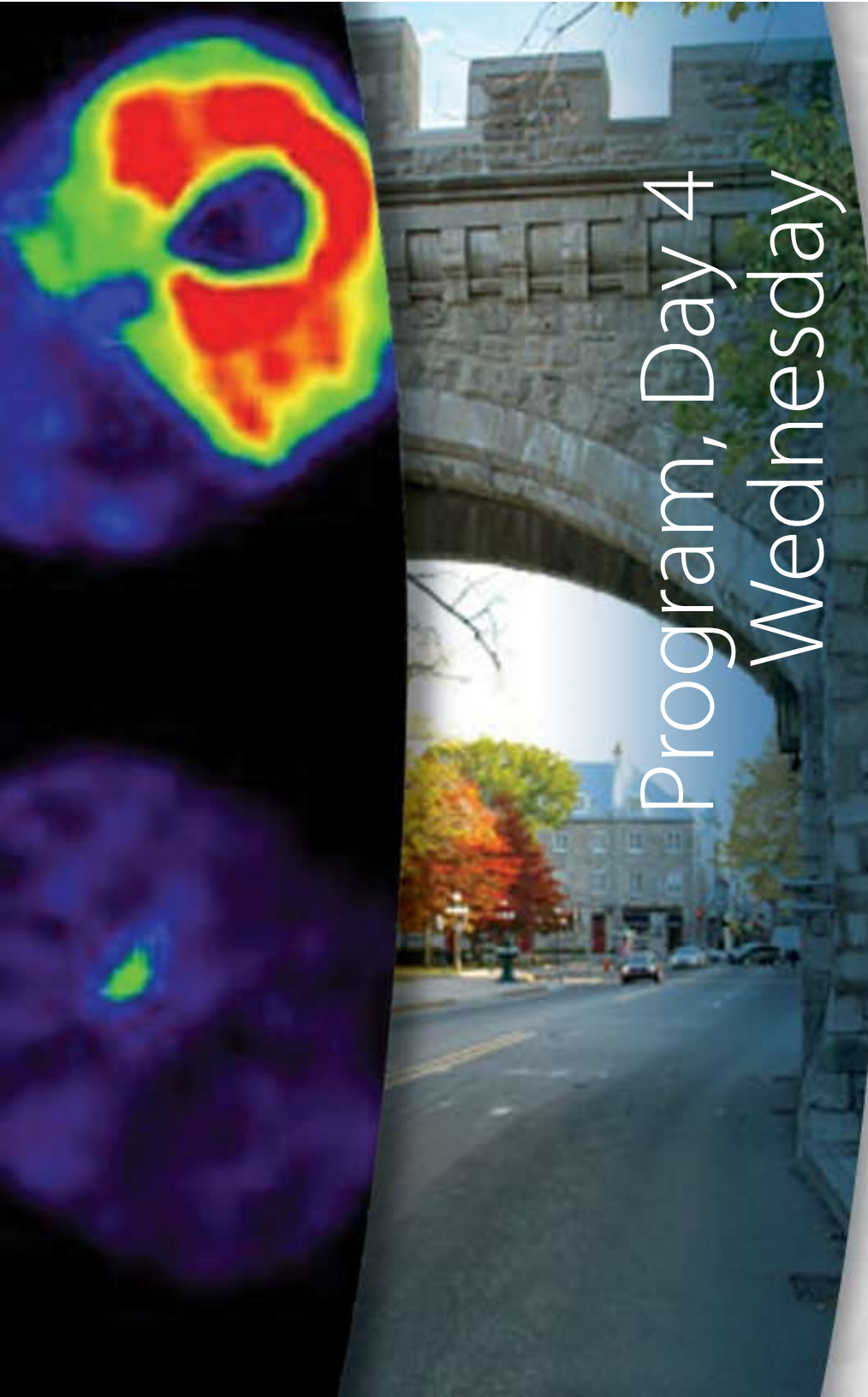
Round Table- *'Training Approaches-
Training Responses'*

Chairs:

Ylva Hellsten, University of Copenhagen

Panel:

Kristi Adamo, Phil Gardiner, Jose Calbet,
Maureen MacDonald, Bengt Saltin



Program, Day 4
Wednesday

Wednesday, Day 4

**Molecular-to-Organ Approaches in Exercise
& Clinical Physiology**

Chair

Jose A Calbet, University of Las Palmas

8:45 - 9:30

'Genes & microRNAs'

Peter Schjerling, University of Copenhagen

9:30 - 10:15

Interactive Discussion

10:15 - 10:45

Coffee/ Tea

Chair:

Bengt Saltin, The Copenhagen Muscle Research Centre

10:45 - 11:30

'Positron Emission Tomography & fMRI'

Ylva Hellsten, Kevin Shoemaker

11:30 - 12:00

'Interactive Discussion'

12:30 -

Bus Departure to Montreal

**'PERFORM Centre',
Concordia University, Montreal
Kevin Little, PhD, Concordia University**

19:00

**Departure/ Arrival to CSEP meeting,
Loews Le Concorde, Québec City**

Registration, Information

PERFORM
New Centre Concordia University

Registration

- Registration open until September 15, 2011 @ the CSEP website www.CSEP.ca
- Enrollment limit: 60 students
- Registration Fee: \$850 CAD (Registration fee covers accommodation, meals, ground transport and venue fee)

Contact Information:

- Mary Duggan, Canadian Society for exercise Physiology
mduggan@csep.ca
- Robert Boushel, University of Copenhagen boushel@sund.ku.dk
- * Danish Students: register through the Ph.D School at University of Copenhagen

Course Venue:

Station Touristique Duchesnay, Qc. www.aubergeduchesnay.com



140 Montée de l'Auberge
Ste-Catherine-de-la-Jacques-Cartier (Québec)
Station Touristique Duchesnay

www.aubergeduchesnay.com