

Mini-symposium and Educational meeting

LIFE AND DEATH OF β CELLS

Lausanne, Switzerland, Friday, May 16, 2008

Auditoire Auguste Tissot (CHUV, BH08)

08:30-09:00 Coffee and croissants

WELCOME

09:00

Christian Widmann (Lausanne)

Session I

Chair

Bernard Thorens (Lausanne)

09:15

Decio Eizirik (Bruxelles) : « Molecular mechanisms of β cell apoptosis in models of diabetes mellitus »

10:00

Philippe Halban (Geneva) : « Role of the islet microenvironment in β cell survival and death »

10:45-11:00

Break

Session II

Chair

Gérard Waeber (Lausanne)

11:00

Thierry Brun (Geneva) : « A focus on the role of Pax4 in mature pancreatic islet β -cell expansion and survival in health and disease »

11:45

Chris Rhodes (Chicago) : « Balancing β cell life and death, and how to avoid the onset of type 2 diabetes »

12:30-14:00

Lunch

14 :30-17 :00

Workshops with the invited mentors and the students of the CVM PhD.

Location Seminar rooms 3, 4 and 6 and seminar room DG (CHUV, BH08).

Preliminary work :

The students have to develop on one page their answer on one of the questions raised by the mentors (see the topics below).

During the workshop :

Present their views on the question in about 10 minutes and actively participate in the ensuing debate.

Topic 1 Mouse models of β cell mass regeneration : how useful are they for The development of new tools to treat diabetes ?

Mentors **Chris Rhodes**

Member of the doctoral school performing the evaluation : **Christian Widmann**

Supporting article : Nir et al, JCI 117 :2553 (2007)

Location seminar room 3

Topic 2 Fundamental differences between human and rodent islet physiology :how can we trick human islets to proliferate ?

Mentors **Thierry Brun**

Member of the doctoral school performing the evaluation : **Romano Regazzi**

Supporting article : Brun et al, Hum Mol Genet, in press (2008)

Location seminar room 4

Topic 3 The unfolded Protein Response (UPR) – how can a physiological Response contribute for beta cell dysfunction and death in the Course of diabetes ?

Menors **Decio Eizirik**

Member of the doctoral school performing the evaluation : **Amar Aberrahmani**

Supporting article : Pirot et al, Diabetologia 50 :1006 (2007), Eizirik et al, Endocrinology Reviews, in press (2008)

Location Seminar room 6

19 :00 Dinner

All speakers and students are invited to share a dinner at the MC's restaurant

