

Mini-symposium and Educational meeting

## **"The Developing Heart"**

**Lausanne, Switzerland, Friday, March 20, 2009**  
**Auditoire Auguste Tissot (CHUV, BH08)**

Organizers : Prof Eric Raddatz, Prof Thierry Pedrazzini  
Enquiries : Mrs Marina Leuba ([Marina.Leuba@chuv.ch](mailto:Marina.Leuba@chuv.ch))

*This meeting is free of charge but for organization purposes we would like the participants to register by sending the below registration form to Mrs Marina Leuba at her mail address.*

08:30-09:00	(Coffee and croissants)
09:00	Welcome : Prof Eric Raddatz
Chair:	<a href="#">Hugues Abriel</a>
<a href="#">09:15-10:00</a>	<b>Daniel Constam</b> (Lausanne) « <b>Molecular mechanisms specifying left-right asymmetry</b> »
<a href="#">10:00-10:45</a>	<b>Elisabeth Ehler</b> (London) « <b>Myofibrillogenesis in the developing heart</b> »
10:45-11:00	Break
Chair:	<a href="#">Eric Raddatz</a>
<a href="#">11:00-11:45</a>	<b>David Sedmera</b> (Prague) « <b>Development of cardiac conduction patterns</b> »
<a href="#">11:45-12:30</a>	<b>Anna Jazwinska</b> (Fribourg) « <b>Heart regeneration in Zebrafish</b> »
12:30-14:00	Lunch
<a href="#">14:30 – 16:30</a>	<b>Discussion</b> (4 topics, see below)
19:00	Dinner. All speakers and PhD students of the CVM are invited to share a dinner.

**Afternoon workshop.** 14h30 - 16h30

Workshop with the invited speakers and the PhD students of the CVM. Note that this workshop is also open to anyone interested in the topics.

Preliminary work to be done by the PhD students of the CVM: the students have to read the eight proposed papers (see below) they will discuss in detail with the invited speakers.

**Papers for discussion:**

Mentor: **Daniel Constam**

Location: Séminaire BH-2

**Article 1:** Nonaka et al. Randomization of Left-Right Asymmetry due to Loss of Nodal Cilia Generating Leftward Flow of Extraembryonic Fluid in Mice Lacking KIF3B Motor Protein. *Cell* Vol. 95: 829-837, 1998

**Article 2:** Nonaka et al. De Novo Formation of Left-Right Asymmetry by Posterior Tilt of Nodal Cilia. *PLoS Biology* Vol.3:e268, 0001-0006, 2005

Mentor: **Elisabeth Ehler**

Location: Séminaire BH-3

**Article 1:** Ehler et al. Myofibrillogenesis in the Developing Chicken heart: Assembly of Z-Disk, M-Line and the Thick Filaments. *Journal of Cell Science* 112: 1529-1539, 1999.

**Article 2:** Ahuja et al. Sequential Myofibrillar Breakdown Accompanies Mitotic Division of Mammalian Cardiomyocytes. *Journal of Cell Science* 117: 3295-3306, 2004

Mentor: **David Sedmera**

Location: Séminaire BH-4

**Article 1:** Sedmera et al. Changes in Activation Sequence of Embryonic Chick Atria Correlate with Developing Myocardial Architecture. *Am J Physiol Heart Circ Physiol* 291: H1646-H1652, 2006

**Article 2:** Sedmera et al. Cardiac Expression Patterns of Endothelin-Converting Enzyme (ECE): Implications for Conduction System Development. *Developmental Dynamics* 237: 1746-1753, 2008

Mentor: **Anna Jazwinska**

Location: Salle Andros BL08.1205

**Article 1:** Poss et al. Heart Regeneration in Zebrafish. *Science* 298: 2188-2190, 2002

**Article 2:** Poss et al. Getting to the Heart of Regeneration in Zebrafish. *Seminars in Cell & Developmental Biology* 18: 36-45, 2007

CardioMet Mini-Symposium

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**REGISTRATION FORM**

Name	
Surname	
Address	
Phone	
E-mail	
I will attend to the symposium – Morning Yes/No	
I will attend to the lunch Yes/No	
I will attend to the discussion – Afternoon Yes/No	

Thank to send this form to [Marina.Leuba@chuv.ch](mailto:Marina.Leuba@chuv.ch)

**Deadline : Thursday, 12 March, 2008**