

Minisymposium

“Cardiac stem cell therapy, from bench to bedside”

Friday, December 11, 2009

Auditoire César Roux, Centre Hospitalier Universitaire Vaudois,
Lausanne, Switzerland

Organizers : Dr Didier Locca et Dr Etienne Pruvot

Enquiries : Mrs Zadia Berzin (Zadia.Berzin-Piazza@chuv.ch)

This meeting is free of charge

*For organization purposes, please register by sending the registration form
to Mrs Zadia Berzin at her mail address.*

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| 08:30-09:00 | (Coffee and croissants) |
| 09:00 | Welcome: D. Locca and E. Pruvot

Chair: Didier Locca |
| 09:15-10:00 | Michel Pucéat (INSERM, Genopôle, Evry)
“Derivation of early cardiovascular progenitors from human pluripotent stem cells” |
| 10:00-10:45 | Daniël Pijnappels (Leiden University Medical Center)
“Injection of MSC, embryonic, IPS... what about the 3D nature of the cardiac architecture?” |
| 10:45-11:00 | Break

Chair: Etienne Pruvot |
| 11:00-11:45 | Korff Thomas Krause (Asklepios Clinic, Hamburg)
“Cardiovascular stem cell therapy in humans: a critical appraisal of the literature” |
| 11:45-12:30 | To be announced, (University College London) |
| 12:30-14:00 | Lunch |

14:30 – 16:30 **Afternoon workshop** (see below)

19:00 Dinner. Speakers and participants of the afternoon workshop

Afternoon workshop. 14h30 - 16h30

Workshop: Discussion with the invited speakers. The workshop is also open to anyone interested in the topics.

The participants of the afternoon workshop will have to discuss one of the following papers with the speakers. The paper to be discussed by each participant will be assigned two weeks before the workshop.

Papers for discussion:

1 - [Forced alignment of mesenchymal stem cells undergoing cardiomyogenic differentiation affects functional integration with cardiomyocyte cultures.](#) Pijnappels DA, Schalij MJ, Ramkisoensing AA, van Tuyn J, de Vries AA, van der Laarse A, Ypey DL, Atsma DE. *Circ Res.* 2008 Jul 18;103(2):167-76. Epub 2008 Jun 12.

2 – [Progressive increase in conduction velocity across human mesenchymal stem cells is mediated by enhanced electrical coupling.](#) Pijnappels DA, Schalij MJ, van Tuyn J, Ypey DL, de Vries AA, van der Wall EE, van der Laarse A, Atsma DE. *Cardiovasc Res.* 2006 Nov 1;72(2):282-91. Epub 2006 Jul 29

3 - [Combined delivery approach of bone marrow mononuclear stem cells early and late after myocardial infarction: the MYSTAR prospective, randomized study](#) Gyöngyösi M, Lang I, Dettke M, Beran G, Graf S, Sochor H, Nyolczas N, Charwat S, Hemetsberger R, Christ G, Edes I, Balogh L, Krause KT, Jaquet K, Kuck KH, Benedek I, Hintea T, Kiss R, Préda I, Kotevski V, Pejkov H, Zamini S, Khorsand A, Sodeck G, Kaider A, Maurer G, Glogar D. *Nat Clin Pract Cardiovasc Med.* 2009 Jan;6(1):70-81. Epub 2008 Nov 11.

4 – [Endocardial Electrogram Analysis after Intramyocardial Injection of Mesenchymal Stem Cells in the Chronic Ischemic Myocardium](#) Korff Krause, M.D., Carsten Schneider, M.D., Claudia Lange, Ph.D., Bulent Kokturk, M.D., Sigrid Boczor, Stephan Geidel, M.D., Ahmed Salhi, M.D., Jusuf Alaser, M.D., Axel R. Zander, M.D., Karl-Heinz Kuck, M.D., Kai Jaquet, Ph.D. And Evgeny Pokushalov, M.D., Ph.D. *Pacing Clin Electrophysiol.* 2009 Oct;32(10):1319-28. Epub 2009 Aug 19.

5 – [Oct-3/4 Dose Dependently Regulates Specification of Embryonic Stem Cells toward a Cardiac Lineage and Early Heart Development](#) Dana Zeineddine, Evangelia Papadimou, Karim Chebli, Mathieu Gineste, Jun Liu, Corinne Grey, Sherry Thurig, Atta Behfar, Valerie A. Wallace, Ilona S. Skerjanc, and Michel Puceat *Dev Cell.* 2006 Oct;11(4):535-46.

6 - Interplay of Oct4 with Sox2 and Sox17: a molecular switch from stem cell pluripotency to specifying a cardiac fate Sonia Stefanovic, Nesrine Abboud, Stéphanie Désilets, David Nury, Chad Cowan, and Michel Pucéat *J Cell Biol.* 2009 Sep 7;186(5):665-73.