Part 1: Identification
Working Group on: CELLULAR BIOLOGY OF THE HEART

Nucleus composition (name):
Chairperson: Rainer Schulz
Vice-chairperson: Michel Ovize
Past chairperson: Pieter AFM. Doevendans
Treasurer: Gary Francis Baxter
Secretary: Cees JA van Echteld
Web editor: Linda van Laake
Nucleus Members: Lino M Goncalves, Ruediger von Harsdorf, Thomas Suter, Giorgio Attilio Vescovo, Kai Christoph Wollert, Peter Ferdinandy

Part 2: Turn-Over of the WG during the year

Election: Chair /Organisation committee: Nucleus
Date: April 30th
Place: Varenna
Position(s) to be occupied: Secretary and Treasurer
Names of Candidates: Kai Christoph Wollert
Number of voting delegates (WG members): 5
Results (elected candidates): Kai Christoph Wollert

Part 3: Activities of the WG during the year

▶ WG Annual Meeting(s)

Joint meeting with the working group on “Myocardial Function” in Varenna (Italy) from 30 April to 3 May, 2009 (see Minutes of the Meeting).

▶ Endorsed Meeting(s)

Joint Meeting with the German Society of Physiology
Sunday 22 March 2009 Hall 1 17:00-18:30
Topic: Myocardial ischemia/reperfusion injury and protection from it
Chairman: Rainer Schulz
Invited speaker: Michel Ovize (Inhibition of MPTP to prevent lethal reperfusion injury)

▶ Education programme(s) – Training, Courses & Grants
None

▶ Publications / Guidelines / Scientific Papers
▶ Position Papers / Consensus Documents
The WG agreed to write a position paper on “Postconditioning”. M. Ovize will be the responsible person and the ESC board agreed to support the project by providing funds for additional meetings.

**Participation to guidelines - writing / reviewing**
None

**Proposals for pre-arranged sessions at the ESC main congress and/or ESC Sub-specialty meetings**

The WG submitted proposals for the Basic Science meeting in Berlin 2010, which became approved and are included in the program:

- New opportunities in stem cell research (P. Doevendans)
- Chemical genetics for in vitro stem cell differentiation.
- Human stem cells as model for cardiac differentiation and disease.
- Functional cardiomyocytes derived from human induced pluripotent stem cells.

Mitochondria and cardioprotection (R. Schulz, M. Ovize)
- Mitochondrial connexin 43 and ischemic preconditioning.
- Mitochondrial STAT3 and ischemic postconditioning.
- RISK and cardioprotection.
- MPTP and cardioprotection.

**Other:**
- Membership: **223 members as of September 2009.** 17 new members have been assigned to the WG through the year.

**Part 4:**

**Future projects**

- The WG will contribute to the Basic Science Congress in 2010 (see above)
- The WG will prepare a position paper (see above)
- The WG tries to arrange for a teaching course at the Heart house on “Protection from ischemia/reperfusion injury”

**Finances:**

- List your Income: Please specify amount & purpose (from ESC entities & from Industry sponsorship)
  
  Income: Servier Germany 3000.- Euro  
  Income: SanofiAventis: 5000.- Euro

- List your main expenses:
  - Joint meeting with the German Physiological Society 5000.- Euro (3000.- Euro from Servier)
  - Joint annual meeting with the WG on Myocardial function (balance sheet to be prepared)