



Workshop II Bioartificial Liver and Tissue Engineering

24-26 September 2014

<http://www.bioart-fp7.eu/>

Mid-Term Review Meeting and 4th Progress Meeting
of BIOART Project FP7-PEOPLE-2012-ITN-316690

22-23 September 2014

Organised by CNR-ITM



Grand Hotel San Michele Cetraro (CS) Italy



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Wednesday September 24, 2014

9:00 – 9:15 Welcome and Opening Remarks – ITM Director L.Giorno

Session I: Membrane bioartificial liver

9:15 – 12:45 Morning Session

9:15 – 10:00 **Plenary lecture “Mayo Spheroid Reservoir Bioartificial Liver”**
Scott L. Nyberg

10:00 – 10:30 Biomimetic strategies for liver regeneration in vivo and difficulties of
in vitro work - A. Bader

10:30 – 11:00 Hepatic membrane bioartificial systems - L. De Bartolo

11:00 – 11:30 *Coffee Break*

11:30 – 12:00 What are the limits in the development of BAL? - C. Legallais

12:00 – 12:30 Transport phenomena in a membrane bioartificial liver - E. Curcio

12:30 – 13:00 Membrane based concepts for tissue regeneration – D. Stamatialis

13:00 – 14:30 *Lunch*

Training course: Membrane bioartificial systems Part I

15:00 – 16:00 Bioreactors for (liver) tissue engineering – C. Legallais

16:00 – 17:00 Automation and control of a membrane device – A. Di Renzo

17:00 – 17:30 *Coffee Break*

17:30 – 18:30 Cell-membrane interactions - S. Morelli

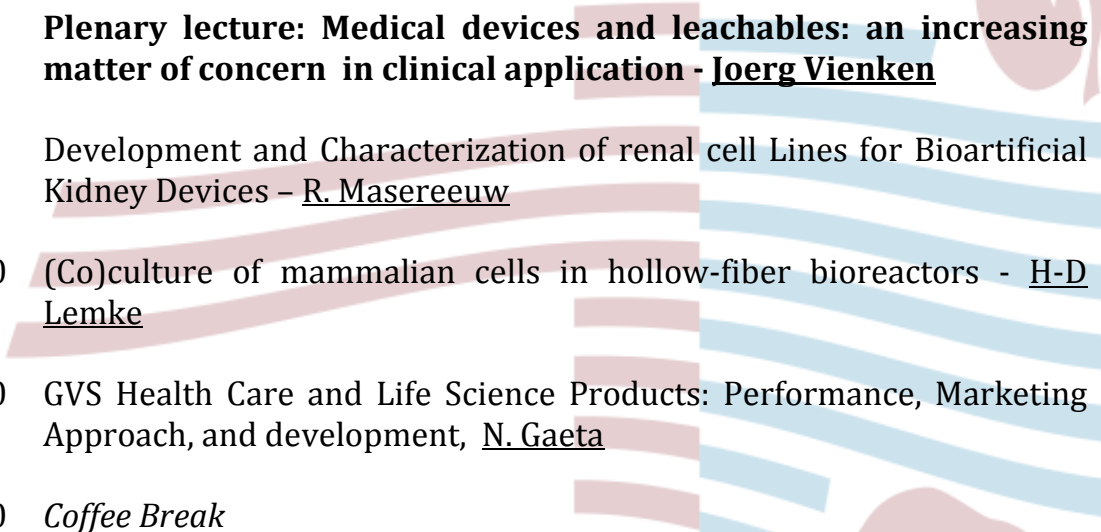
20:00 *Dinner*

Thursday September 25, 2014

**Perspectives for research and development for
biotechnologies and biomaterials**

**Session II: Membrane systems in biomedical applications and
Tissue Engineering**

08:30 – 11:00 Morning Session

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- 8:45 – 9:30 **Plenary lecture: Medical devices and leachables: an increasing matter of concern in clinical application - Joerg Vienken**
- 9:30 – 10:00 Development and Characterization of renal cell Lines for Bioartificial Kidney Devices – R. Masereeuw
- 10:00 – 10:30 (Co)culture of mammalian cells in hollow-fiber bioreactors - H-D Lemke
- 10:30 – 11:00 GVS Health Care and Life Science Products: Performance, Marketing Approach, and development, N. Gaeta
- 11:00 – 11:30 *Coffee Break*

Complementary Skills

11:30 – 13:00 Morning Session

- 11:30 – 12:00 Multi-partner project management and networking - Gilbert Rios
- 12:00 – 12:30 Birth and Life of a Research Paper– P. Aimar
- 12:30 – 13:00 Data quality and analysis – C. Coetsier
- 13:00 – 13:30 Design of experiments (DoE) – C. Coetsier
- 13:30 – 15:00 *Lunch*

Training course: Membrane bioartificial systems Part II

- 15:00 – 16:00 Membrane devices and systems using liver cells L. De Bartolo

Training course: Hepatic tissue engineering Part I

- 16:00 – 17:00 Liver physiology – S. Giri
- 17:00 – 17:30 *Coffee break*
- 17:30-18:30 Organotypic cell culture A. Bader
- 20:00 *Dinner*

Friday September 26, 2014

Training course: Membrane bioartificial systems Part III

- 9:00 – 10:00 Membrane bioreactors - L. Giorno

Session IV: Poster presentation

10:00 – 13:00 Morning Session

Poster exhibition and flash presentation by Bioart ESRs and ERs

- 11:00 – 11:30 *Coffee Break*

Poster exhibition and flash presentation by Bioart ESRs and ERs

- 13:00-14:30 *Lunch*

Training course: Hepatic tissue engineering Part II

- 14:30 – 15:30 Stem cells applications - S. Giri
- 15:30 – 16:30 Molecular modelling for design of membranes and membrane-biomolecule interactions – E. Tocci
- 20:00 *Dinner*