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

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

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>16:00 – 17:00</td>
<td>Liver physiology – S. Giri</td>
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<td>17:00 – 17:30</td>
<td>Coffee break</td>
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<tr>
<td>17:30-18:30</td>
<td>Organotypic cell culture A. Bader</td>
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<td>20:00</td>
<td>Dinner</td>
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### Friday September 26, 2014

#### Training course: Membrane bioartificial systems Part III

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>9:00 – 10:00</td>
<td>Membrane bioreactors - L. Giorno</td>
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**Session IV: Poster presentation**

10:00 – 13:00 Morning Session

Poster exhibition and flash presentation by Bioart ESRs and ERs

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>11:00 – 11:30</td>
<td>Coffee Break</td>
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<td>13:00-14:30</td>
<td>Lunch</td>
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#### Training course: Hepatic tissue engineering Part II

<table>
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<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>14:30 – 15:30</td>
<td>Stem cells applications - S. Giri</td>
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<tr>
<td>15:30 – 16:30</td>
<td>Molecular modelling for design of membranes and membrane-biomolecule interactions – E. Tocci</td>
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<tr>
<td>20:00</td>
<td>Dinner</td>
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