

# Artificial Organs & Tissue Engineering Day

Engineering Meets Medicine

Friday, October 2<sup>nd</sup> - Genopolys  
Montpellier, France

## PROGRAMME

### MORNING

9.00 Registration & Welcome coffee

#### 9.15 Session 1 - From Basic & Applied Research to Industry

9.15 **Prof. Jörg Vienken (GE)**  
*Vice president of Fresenius Medical Care during 17 years*  
**“Polymers, Devices and Therapies with Closed Loop Feedback: Haemodialysis as a Model for Modern Medical Device Technology.”**  
25 mn + question time

9.50 **Prof. Dimitrios Stamatialis (NL)**  
*Coordinator of the BIOART European project (Initial Training Network)*  
*MIRA Institute of Biomedical Technology and Technical Medicine*  
*Faculty of Science and Technology - University of Twente*  
**“Engineering of (Bio)artificial Organs to Support Human Function.”**  
25 mn + question time

10.25 **Prof. Eric Renard (FR)**  
*Head of the Endocrinology, Nutrition and Diabetes Studies*  
*Montpellier University Hospital & Institute of Functional Genomics*  
*UMR CNRS 5203 / INSERM U1191 / University of Montpellier*  
**“Current Developments of Artificial Pancreas as an Innovative Therapy of Diabetes.”**  
25 mn + question time.

11.00 - 11.20 Coffee break

#### 11.20 Panel Debate 1 - Regulation

**Regulatory affairs and Modern Medical Device Technology.**  
The approval of products used for “regenerative therapies” will be discussed.  
*Chaired by Jörg Vienken, Vice president of Fresenius Medical Care during 17 years.*  
40 mn

12.00 - 13.30 Lunch

Page 1/2

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### AFTERNOON

#### 13.30 Session 2 - Complementary Skills

##### 13.30 Dr. Suming Li

Research Director, Institut Européen des Membranes  
UMR CNRS 5635 / ENSCM / University of Montpellier

**“Surface Chemistry to Improve the Biocompatibility of Medical Devices.”**

15 mn + question time

##### 13.55 Sylvie Arnavielhe (FR)

Project Leader - Kyomed company

**“Smart Data: New Process for Decision Support.”**

15 mn + question time

##### 14.20 Pr. Christian Jorgensen (FR)

Head of the “Mesenchymal stem cells, joint environment and immunotherapies of rheumatoid arthritis” INSERM unit - Montpellier

**“Active Microspheres Supporting Mesenchymal Stem Cells for Cartilage Regeneration”**

15 mn + question time

14.45- 15.00 Coffee break

#### 15.00 Panel Debate 2 - European Experience & Vision

Feedback from the speakers of the day on their participation to European research projects: How do they view the future of European Research & Innovation projects in the field of artificial organs and tissue engineering?

Chaired by Dr. Cécile Legallais - CNRS Senior Researcher  
University of Technology of Compiègne, France.

Expert on flow and mass transfer for the development of bioartificial organs.

##### 15.45 Wrap up & perspectives

Discuss the need for future Engineering-Medicine Days.