Monday, October 3rd

08:30 - 09:00 Welcome - registration

09:00 - 09:15 Welcome address
François Pierrot
V.P. in charge of partnerships and innovation; Executive Director of I-SITE MUSE
Jean-Christophe Gris
Professor in Hematology, University of Montpellier

09:00 - 12:00 Session 1 Jean-Christophe Gris
Professor in Hematology, University of Montpellier

09:15 - 09:55 Isabelle Quere, CHU Montpellier
“The lymphatic system and its impairments”

09:55 - 10:35 John-Bjarne Hansen, the Arctic Univ. of Norway
“Role of the complement system in the pathogenesis of venous thromboembolism”

10:35 - 11:05 Coffee break

11:05 - 11:45 Anat Aharon, University of Tel Aviv
“Extracellular Vesicles (EVs) as Biomarkers and Therapeutic Tools”

11:45 - 12:25 Aurélien Bancaud, LAAS CNRS
“Deformation but not convection induced by intraluminal pressure enhances transport through barrier tissues”

12:25 - 13:50 Lunch

13:45 - 17:00 Session 2 Benoît Charlot
CNRS Researcher – IES Laboratory

13:50 - 14:30 Abdul Barakat, Ladhyx, Ecole Polytechnique
“Engineered Blood Vessels as Platforms for Understanding Vascular Diseases”

14:30 - 15:10 Didier Letourneur, CNRS - INSERM U1148
“Design of vascular tissue engineering grafts”

15:10 - 15:45 Coffee Break

15:45 - 16:25 Fabrice Soncin, INSERM, Université de Lille
“Blood vessel-on-chip model of the vascular barrier”

16:25 - 17:05 Haley Ehlers, Mimetas
“Modeling endothelium-on-a-chip for vascular diseases”

17:05 - 18:00 Flash talks

18:00 - 19:00 Guided tour of the aquarium – Planet Ocean Montpellier

19:30 - 22:00 Cocktail dinner
Tuesday, October 4th

09:00 - 09:15  **Session 3  Damien Isèbe**  
               Research Manager HORIBA Medical

09:15 - 09:55  **Jan Frayne**, University of Bristol  
               “The generation of RBCs in vitro for transfusion therapy and as disease model systems”

09:55 - 10:35 **Koji Eto**, Kyoto university  
               “Turning iPS Cells into Platelets”

10:35 - 11:05  Coffee break

11:05 - 11:45  **Stéphanie Descroix**, IPGG, Institut Curie  
               “Microfluidic approach for circulating tumor biomarkers”

11:45 - 14:00  Lunch and posters

14:00 - 16:30  **Session 4  Raphael Gaudin**  
               CNRS Researcher – IRIM Laboratory

14:00 - 14:40  **Guillaume Dumenil**, Institut Pasteur  
               “Blood vessels as a target for infection, the case of meningococcemia”

               “Biomechanical contribution of the endothelium to tumor metastasis”

15:20 - 16:00  **Esther Nolte-t Hoen**, Utrecht University  
               “Extracellular vesicles and the messages they convey during infection and inflammation”

16:00 - 16:30  Concluding remarks

16:30  Conference adjourn – Jean-Christophe Gris