

Programme de la journée

09h00 - 09h15 Accueil et présentation de la journée

09h15 - 09h30 Implication of the mechanical environment for the conservation of cell phenotypes in pulmonary oncology F. DELEBOSSE – LTM/Cell&Soft

09h30 - 09h45 A new way of designing medical implants from battery miniaturization to power transfer and encryption P. TACYNIAK – TIMA

09h45 - 10h00 Design of polyacrylamide-based hydrogels supports for cell culture at the air/liquid interface R. DREYER – LTM/CERMAV

10h00 - 10h15 Marine antibiofouling properties of TiO₂ and Ti-Cu-O films deposited by AA-MOCVD L. DEBLOCK – LMGP

10h15 - 10h30 Controllable antimicrobial coatings based on silver nanowires networks C. SANCHEZ-VELASQUEZ – LMGP

10h30 - 10h45 Pause

10h45 - 11h00 An open gate 4H-SiC junction field effect transistor for pH sensing O. KARKER – LMGP/IMEP-LaHC

11h00 - 11h15 Optimizing Neural Interface Passivation with PECVD a-SiC:H Films S. GREENHORN – LMGP/IMEP-LaHC/FORTH

11h15 - 11h30 Fabrication of silicon carbide microelectrode array for neural implants G. POUND-LANA – LTM

11h30 - 11h45 Physical study of the cellular response induced by low-frequency vibrations of magnetic nanoparticles A. VISONA – LTM/SPINTEC

11h45 - 13h30 Buffet en salle Z103

13h30 - 13h55 Dispositif Médical implantable actif, réussir le passage du concept au produit G. CRETEUR – UroMems

13h55 - 14h20 Soft culture plates for pleased cells. C. MIGDAL – Cell&Soft

14h20 - 14h45 2 instruments from academic researches for life sciences and microfluidics L. COLIN – MicroLight3D

14h45 - 15h10 Dispositif médical implantable pour thérapie de neuroprotection chronique de la maladie de Parkinson A. BEN TAHAR – The Element

15h10 - 15h30 Pause

15h30 - 15h55 Pathogen identification using a combination of lensless holographic imaging and AI for microbiological diagnostics M. GOUGIS ou P. SCHIAVONE - BAIO DX

15h55 - 16h20 Portable immunodiagnosics, towards point-of-care infectious panel screening O. CUGAT – Magia-Diagnostics

16h20 - 16h45 La rhéologie du mucus comme outil d'évaluation et de suivi des maladies respiratoires obstructives M. ROBERT DE SAINT VINCENT – REONOVA

16h45 - 17h00 Clôture de la journée