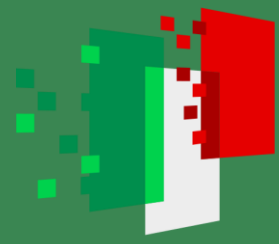




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# FIT4 MED ROB

Workshop

## Fit for Medical Robotics

MEETING OF ACTIVITY 10 – BIOHYBRID INTERFACES AND BIOMATERIALS (MISSION 3)

PROGETTO PNC0000007 - REALIZZATO CON IL COFINANZIAMENTO DEL MINISTERO DELL'UNIVERSITÀ E DELLA RICERCA NELL'AMBITO DEL PNC - D.D. N. 1511 DEL 30.09.2022

LECCE, 21 | 22 SEPTEMBER 2023

CNR NANOTEC - SEMINAR ROOM 'RITA LEVI MONTALCINI'

### THURSDAY, 22 SEPTEMBER 2023

- 09:00 **Opening**  
LORETTA L. DEL MERCATO (CNR-NANOTEC, Lecce); PAOLO NETTI (UNiNA); LAURA PASTORINO (UniGE)
- 09:15 **Sub-Activity 1: Biosensing in human *in vitro* neurodegenerative processes**  
DONATELLA DI LISA (UniGE)
- 10:15 **Sub-Activity 2: Functional nanoparticles for biorobotics and rehabilitation**  
LUIGI CARBONE (CNR-NANOTEC, Lecce)
- 11:15 *Coffee break*
- 11:45 **Sub-Activity 3: Bioactive scaffolds for skin-implants integration in intraosseous transcutaneous amputation prostheses**  
FRANCESCA SCALERA (CNR-NANOTEC, Lecce)
- 13:00 *Lunch*
- 14:00 **Sub-Activity 4: Development of a multi-functional nerve guide for long gap nerve regeneration**  
FRANCESCA GERVASO (CNR-NANOTEC, Lecce)
- 15:00 **Sub-Activity 5: Fabrication of hybrid multifunctional constructs for muscular and neural integration and control**  
FRANCESCO URCIUOLO (UNiNA)
- 16:00 **Sub-Activity 6: Implantable microelectrodes array for electrical stimulation and signal collection from muscle tissue**  
LUCIANO VELARDI (CNR-IMM, Lecce)
- 17:00 **Conclusions**

#### ORGANISING COMMITTEE

STEFANIA D'AMONE, GIANVITO DE IACO, LORETTA L. DEL MERCATO, FRANCESCA GERVASO,  
PAOLO NETTI, LAURA PASTORINO, ALESSANDRO POLINI, GABRIELLA ZAMMILLO