



FIT4 MED ROB

Workshop

Fit for Medical Robotics

Napoli 9 – 10 Settembre 2024
Università degli Studi di Napoli
Federico II
Aula Scipione Bobbio

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

Monday, 9 September 2024

12.30 Lunch Aula Scipione Bobbio

14:00 Opening

Loretta del Mercato (CNR-NANOTEC, Lecce); Paolo Netti (UniNA); Laura Pastorino (UniGe)

14.15 **Sub-Activity 1:** Biosensing in human in vitro neurodegenerative processes

Speaker(s): Donatella Di Lisa (UniGE)

15:15 **Sub-Activity 2:** Functional nanoparticles for biorobotics and rehabilitation

Speaker(s): Emma Chiaramello e Luigi Carbone (CNR-NANOTEC, Lecce)

16:15 Coffee Break

16:30 **Sub-Activity 3:** Bioactive scaffolds for skin-implants integration in intrasosseous transcutaneous amputation prostheses

Speaker(s): Francesca Scalera (CNR-NANOTEC, Lecce)

17:30 **Sub-Activity 4:** Development of a multi-functional nerve guide for long gap nerve regeneration

Speaker(s): Daniela Pezzolla (CNR-NANOTEC, Lecce)

18.30 End of activities

Tuesday, 10 September 2024

8.30 Coffee Aula Scipione Bobbio

9:00 **Sub-Activity 5:** Fabrication of hybrid multifunctional constructs for muscular and neural integration and control

Speaker(s): Francesco Urciuolo, Sara Sibilio (UniNA)

10:00 **Sub-Activity 6:** Implantable microelectrodes array for electrical stimulation and signal collection from muscle tissue

Speaker(s): Luciano Velardi (CNR-IMM, Lecce)

11:00 Conclusions

Loretta del Mercato (CNR-NANOTEC, Lecce); Paolo Netti (UniNA); Laura Pastorino (UniGe)

12:00 End of meeting

Additional Info

- **Wi-Fi Connection /** SSID: FIT4MEDROB - PW: Fit4m&dROb
- **Monday, 9 September 21:00 / Dinner**
Ristorante "Il Transatlantico", Borgo Marinari
Napoli, Castel dell'Ovo

Organizing Committee

Paolo Netti, Valeria Panzetta, Sara Sibilio,
Francesco Urciuolo.