



Università  
degli Studi di  
Messina

DIPARTIMENTO DI SCIENZE  
MATEMATICHE E INFORMATICHE,  
SCIENZE FISICHE E SCIENZE DELLA TERRA

# Vademecum per un progetto di successo 4<sup>a</sup> edizione

**ORGANIZZATORI**

Prof. Valentina VENUTI | Dott. Francesco BARRECA

**"Progetti di Rilevante Interesse Nazionale (PRIN)"**

14:30 - 2/9/16 Dicembre 2024 - Aula "Leonardo"

# Programma

## Lunedì 2 dicembre 2024

- Francesco Caridi** - ATHENA - A novel approach Towards the management of building materials of particular Historical-artistic interest: assessment of the radon Exhalation and the radiological risk due to Natural radioActivity content
- Giuseppe Paladini** - FINI - Future challenges in management of recurrent/resistant Infection: development of antimicrobial Nanoparticulate systems and physical-chemical investigation of their Interactions with biofilm-associated infection
- Valeria Conti Nibali** - Unveiling the mutual interaction between lipid rafts and amyloid oligomers at the neuronal membrane
- Caterina Branca** - Applicazione di tecniche spettroscopiche per la caratterizzazione di vescicole extracellulari derivate da microalghe

## Lunedì 9 dicembre 2024

- Giancarlo Consolo** - A multidisciplinary approach to evaluate ecosystems resilience under climate change
- Francesco Oliveri** - Models for the birth of volcanoes and magma transport
- Antonino Galletta** - Gan Approaches For Non IID Aiding Learning In Federations (GANDALF)
- Antonino Galletta** - A sustainable and trusted Transfer Learning platform for Edge Intelligence (STRUDEL)

## Lunedì 16 dicembre 2024

- Mariosimone Zoccali** - gReen analytical methods for PAHs detection in EVOO: from lABoratory to smart LabEl (RELIABLE)
- Lorenzo Torrisi** - Carbon dots luminescence via carbon laser ablation in biocompatible solution
- Giovanna D'Angelo** - GlaSs-like phonon Transport in ecO-friendly Perovskites for tHermoelectric Energy generATion (StopHeat)
- Rosalba Saija** - EnantioSelex: Mapping and controlling nanoscale optomechanical forces for separation of chiral analytes