PROGETTI DI RICERCA PRIN2022

Finanziati dall'Unione europea – *Next Generation EU*

- Harnessing the potential of the THP: moving toward the development of a clinical-grade kit for a peptide-based PET imaging agent for real-time imaging and treatment of aberrant c-Met cancers for another giant step in cancer treatment - **dr. Giuseppe Floresta (P.I.)**.
- Tackling neurodegeneration with by-product-based-nanohydrogels for the nose-to-brain-delivery of natural bioactive compounds (TANDEM) - **prof.ssa Teresa Musumeci**; PI: P. Di Martino (Univ. di Camerino).
- Development of broad-spectrum coronavirus antiviral agents acting as allosteric modulators of the host protein sigma-1 - **prof. Agostino Marrazzo**; PI: G.P. Mangiatordi, Institute of Crystallography (CNR-IC).
- "Running away" from PTSD: from mechanisms of vulnerability towards innovative combined therapies - **prof. Filippo Caraci**; PI: P. Campolongo, Università degli Studi di ROMA "La Sapienza".
- **F**uture challenges in management of recurrent/resistant **I**nfection: development of antimicrobial **N**anoparticulate systems and physical-chemical investigation of their **I**nteractions with biofilm-associated infection (**FINI**) - **prof. V. Pistarà**; PI: V. Venuti, Univ. di Messina.
- In silico-design, synthesis and characterization of innovative two components Light-absorber (LA)-G-quadruplex (G4) binder conjugates: a new paradigm to afford a dual anti-cancer approach (LA-G4-DACA) - **Prof.ssa Aurore Fraix**; PI: M.E. Alberto, Univ. della Calabria.
- Dissecting the mechanisms associated with cognitive deficits in Alzheimer's disease: the GAT3 connection - **prof.ssa Agata G. Copani**; PI: S. Oddo, Università di Messina.
- Revealing the Impaired MEchanisms underneath aspirin low-responder patients with DIabetes mellitus (RIMEDI) - **Prof. Luca Vanella**; P.I.: F. Santilli, Università degli Studi "G. d'Annunzio" Chieti-Pescara.
- Reconfigurable Low-Dimensional Nano-Structures at Liquid Interfaces (ReLoDS) - **Prof. Francesco Punzo**; P.I.: G.C. Li Destri Nicosia, Università di Catania.
- Supramolecular catalysis in self-organized nanocontainers (CAGED) - **prof. Antonio Rescifina**; PI: C. Talotta, Univ. di Salerno.
- Investigation of Tau-dependent epigenetic reprogramming in Alzheimer's disease - **prof.ssa Lorella Pasquinucci** (PI: prof. F. Basolo, Univ. di Pisa).