



Research Retreat September 13th, 2021

Aula C03 via Mangiagalli 25, Milan
and online at this [link](#)

Scientific Program

8:50-9:00 Welcome Message by prof. Maria Luisa Gelmi, DISFARM Director

9:00-10:20 “Innovative strategies in the study and delivery of bioactive compounds”

Chair Alessandra Maroni

- 9:00-9:20 **Sancho Maria**, “Organosilica nanocages for medical applications”
9:20-9:40 **Baron Giovanna**, “Metabolomics studies to identify *Vaccinium macrocarpon* urinary metabolites effective as inhibitors of *Candida albicans* biofilm formation”
9:40-10:00 **Pepe Giovanna**, “Tamoxifen off-target activity in macrophages and inflammation”
10:00-10:20 **Melocchi Alice**, “Drug Delivery Systems developed via 3D and 4D printing”

Coffee break (10:20-10:40)



10:40-12:00 “Bio-inspiration for DISFARM research in infections and beyond”

Chair Elisabetta Vegeto

- 10:40-11:00 **Bucci Raffaella**, “Playing with Non Standard Amino Acids to develop Bioinspired Molecular Architectures”
11:00-11:20 **Scarpa Edoardo**, “Polymersome nanoparticles eradicating intracellular bacteria”
11:20-11:40 **Mori Matteo**, “Structural insights into the inhibition of *M. tuberculosis* salicylate synthase (*MbtI*)”
11:40-12:00 **Musazzi Umberto**, “Topical propranolol for the treatment of infantile haemangiomas: printing of cutaneous patches”

Lunch break (12:00-13:00)



13:00-14:20 “Molecular approaches in the modern diseases”

Chair Sara Pellegrino

- 13:00-13:20 **Facchetti Giorgio**, “New platinum-based chemotherapeutics: a journey beyond cisplatin”
13:20-13:40 **Marangon Davide**, “MiR-125a-3p impairs oligodendrocyte differentiation and endogenous remyelination: a new potential target for myelin repair”
13:40-14:00 **Straniero Valentina**, “Structural analogues of methylphenidate as Parkinson's disease-modifying agents”
14:00-14:20 **Bollati Carlotta**, “Health-promoting activity of lupin peptide as ingredients for cardiovascular disease prevention”

Coffee break (14:20-14:40)



14:40-16:00 “Emerging trends in pharmaceutical and life science research”

Chair Lucia Tamborini

- 14:40-15:00 **Pirovano Valentina**, “Catalytic approaches to the synthesis and functionalization of polycyclic indole scaffolds”
- 15:00-15:20 **Ieraci Alessandro**, “Different short- and long-term consequences to sub-chronic stress exposure in male and female BDNF knock-in Val66Met mice”
- 15:20-15:40 **Biswas Akash Deep**, “A computational study on the hydration-shell properties of antifreeze and non-antifreeze proteins”
- 15:40-16:00 **Moutaharrik Saliha**, “Oral Colon Delivery Platform Based on a Combination Approach: Exploitation of High-Amylose Starch as a Microbially Degradable Targeting Component”

16:00-17:00 Seminar: “The super-fast development of anti-Covid vaccines”

by prof. **Abrignani Sergio** -Dipartimento di Scienze Cliniche e di Comunità - Unimi

