

Workshop Program SEED 4EU+

PNA and Photoactive Systems for Antimicrobial Applications

18 September

- 9:30-10:00** ● **Opening Remarks and Welcome** (University of Milan)
- 10:00-10:35** ● **Joanna Trylska** (University of Warsaw)
Delivering peptide nucleic acid oligomers to E. coli cells through the TonB-dependent transport system
- 10:35-11:30** ● *Coffee break*
- 11:30-12:00** ● **Andrea Fin** (University of Turin)
Isomorphic emissive nucleobases in PNA chemistry
- 12:00-12:15** ● **Monika Wojciechowska** (University of Warsaw)
Peptide nucleic acids as sequence-specific inhibitors of bacterial ribosome function
- 12:15-12:30** ● **Uladzislava Tsylents** (University of Warsaw)
Hydroxamate siderophores as peptide nucleic acid carriers into bacterial cells
- 12:30-14:00** ● *Lunch break*
- 14:00-14:30** ● **Francesca Cardano** (University of Turin)
Design insights toward new bright probes in chemical biology
- 14:30-15:00** ● **Timothée Cadart** (Charles University)
Design of Fluorescent Azonia Salts in the Development of Medicinal Probe
- 15:00-15:15** ● **Paolo Bonino** (University of Turin)
Micellar catalysis as a green method to build C-C bonds and molecules for potential applications

19 September

- 9:30-10:00** ● **Jiří Mosinger** (Charles University)
Generation of singlet oxygen in photoactive systems
- 10:00-10:30** ● **Carlo Matera** (University of Milan)
Light-Responsive Molecular Tools for Biomedical Applications
- 10:30-11:15** ● *Coffee break*
- 11:15-11:30** ● **Vojtěch Liška** (Charles University)
Photoactive nanoparticles for antibacterial, antiviral and antifungal applications
- 11:30-11:45** ● **Luca Zecchinello** (University of Milan)
New versatile room temperature phosphorescence systems based on triazinic core
- 11:45-12:00** ● **Federico Turco** (University of Milan)
Synthesis of photoactive luminescent PNA bioconjugates
- 12:00-12:15** ● **Closing and Remarks**
- 12:15-13:30** ● *Lunch break*
- 13:30-15:00** ● **Roundtable and Discussion**