







Advanced Technologies Integration into Medicinal

Chemistry Programs

June 30th,2025

Online, from 14:00 to 16:30 CET

Workshop of the COST Action CA21111 One Health drugs against parasitic vector borne diseases in Europe and beyond OneHealthdrugs

The event is open to PhD, young innovators and senior scientists from both academia and pharma

<u>Description</u>. This workshop aims to showcase how advanced technologies—such as AI-driven drug design, highthroughput screening, and omics integration—can be strategically applied in medicinal chemistry pipelines. Emphasis will be placed on supporting the OneHealthdrugs mission: coordinating the discovery of drugs that effectively combat vector-borne infections in both human and veterinary medicine, while adhering to optimal efficacy profiles across species. Participants will explore tools that enhance target specificity, accelerate development, and reduce environmental impact, fostering cross-disciplinary collaboration aligned with One Health principles.

The day program is reported below

You are invited to **submit your abstract** Friday 27 2025 at the following address: **onehealthdrugs.events@gmail.com** and a.zawistowska-deniziak@uw.edu.pl

The event registration requires two steps : 1) create an e-COST account in the <u>www.cost.eu</u> and 2) register here: <u>https://docs.google.com/forms/d/e/1FAIpQLSdcXCkvyQOfHE9xVTNjB3vVHtLs9upI-EMdNH-XGFzS23qVxA/viewform?usp=header</u>.



PROGRAM hrs 2pm – 4:30pm

Maria Laura Bolognesi

Medicinal Chemistry Meets One Health: Developing Sustainable Antiparasitic Agents from Agro-Industrial Wast Department of Pharmacy and Biotechnology, University of Bologna Via Belmeloro 6, 40126 Bologna, Italy marialaura.bolognesi@unibo.it

Lorenzo Raffellini

In vitro and in silico analysis of nature-based compounds from an ADMET and ecotoxicology perspective PhD University of Pisa, STSM fellow Fraunhofer Hamburg aUniversity of Pisa, Department of Pharmacy, Italy; b Fraunhofer Institute for Translational Medicine and Pharmacology ITMP, Hamburg, Germany lorenzo.raffellini@phd.unipi.it

Calogeropoulou Theodora

New antiparasitic agents based on Cashew Nut Shell Liquid, a by-product of the cashew industry National Hellenic Research Foundation, Greece tcalog@eie.gr

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GERARD Stéphane

Levulinic Acid as a valuable building block for the development of molecules of therapeutic interest University of Reims Champagne-Ardenne, UFR de Pharmacie, ICMR / UMR CNRS 7312, France. stephane.gerard@univ-reims.fr

Evgenia Mitsou

Designing Drug Delivery Carriers for Enhanced One Health Outcomes a Institute of Chemical Biology, National Hellenic Research Foundation, 48, Vassileos Constantinou Ave., Athens, 11635 Greece emitsou@eie.gr