Structural and functional aspects of targets involved in vector borne diseases

17th April 2024 **14:00-18:00 CEST**

online

WG1 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

Description. Investigating structural and functional aspects of macromolecular targets provide key information for the rational development of drugs against vector borne diseases. On this purpose, structural biology, combining different techniques, such as NMR, X-ray crystallography, bioSAXS, and cryoEM, is a powerful research field to obtain atomic-level information on the targets. Functional aspects are also investigated by different methods, such as *in silico* and bioinformatic studies, artificial intelligence, and biochemical and biophysical techniques. Additional ecotoxicological aspects will be included in the target description to expand the safety of the future drugs towards a protection not only of the human livings but also of environmental organisms. And then to human and animal life again, in a One Health approach. This workshop aims to spread knowledge on structural and functional aspects of key targets involved in vector borne diseases.

The workshop will include keynote lectures from invited speakers and short presentations selected from submitted abstracts.

You are invited to **submit your abstract by the 05/04/2024** at the following address: cecilia.pozzi@unisi.it and ulrike.wittig@h-its.org and **onehealthdrugs.events@gmail.com**, using the provided format: https://www.onehealthdrugs.com/events/scientific-meeting/structural-and-functional-aspects-of-targets-involved-in-vector-borne-diseases/

The event registration requires two steps :
1) create an e-COST account in the www.cost.eu and
2) register here: https://docs.google.com/forms/d/e/1FAIpQLSdy4Y-T6p7b7sFVzru0AHr1ycY7O3DwVVLM6tUo01sD2xF5gQ/viewform?usp=sharing **by the 14/04/2024**