



WG4 Workshop 1 “Environmental impact of pharmaceuticals and International Organizations monitoring”

03/04/2023

VIRTUAL

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, Institutions and pharma

Drugs for human and animal vector-borne diseases are scarce. Emerging environmental problems in pharmaceutical use/manufacturing increase attention. Cooperation is needed among different expertise to develop new drugs in a sustainable way. OneHealthdrugs aims at discovering optimized drugs and is platform using synergies among multidisciplinary stakeholders within academies, SMEs, industries, governments.

In WG4, knowledge in drug design and in environmental impact will be integrated to provide a sharable guideline-like document. Assessing environmental risks is important in relation to societal benefits. With this workshop, environmental risks of pharmaceuticals are classified, taking into account regulatory requirements. Some mitigation measures will be presented and discussed, and the presentation of a case study on the use of antiparasitics for malaria vector control brings together the areas of human/animal health and environmental protection. This workshop is following WG3-WS1 - "Ecotoxicology in product development and environmental impact assessment" held on 24th of March and represents a second event focused on the drugs specific impact.

Programme

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| 09:00-09:05 | Welcome (R.-A. Düring) |
| 09:05-09:15 | Introduction to the COST Action (M.P. Costi, University of Modena and Reggio Emilia) |
| 09:15-10:00 | “Environmental impact of pharmaceuticals” (R.-A. Düring, Justus Liebig University Giessen) |
| 10:00-11:00 | “Towards a greener and more sustainable Pharmacy” (K. Kümmerer, Leuphana University Lüneburg) |
| 11:00-12:00 | “Embedding malaria control and ecological balance in a One Health approach: the Anivermate project” (K. Mouline, Institute of Research for Development, Montpellier) |
| 12:00-12:30 | Discussion/Round Table about monitoring pharmaceutical pollution in the field of antiparasitic drugs/pharmaceuticals (all participants of the workshop) |