

PREPARE4VBD SUMMER SCHOOL

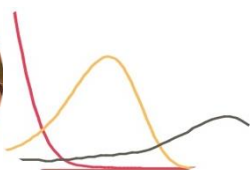
New molecular detection and monitoring tools for VBDs



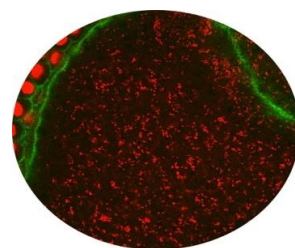
February 24-25, 2024, Nairobi, Kenya

Description:

Funded by the European Union, the PREPARE4VBD (A Cross-Disciplinary Alliance to Identify, PREdict and prePARE for Emerging Vector-Borne Diseases) Network (see attached flyer) will conduct a 2-day summer school. The aim is to offer a holistic understanding of vector-pathogen systems for the control of vector-borne diseases, with a focus on those transmitted by ticks, snails and mosquitoes. The training will cover tick and snail identification, tick dissection, molecular diagnostics, VBD surveillance, lab analysis of eDNA samples for snail-borne flukes, bioinformatics, and **how to isolate and stimulate bovine peripheral blood mononuclear cells for synthetic biology and manipulation**. The two-day course will be delivered using a mixture of lectures (molecular, microbiological, morphological identification), hands-on practical sessions and an interactive session where users can discuss practical exercises with the trainers and fellow attendees. The trainers will be experienced entomologists, molecular biologists, bioinformaticians, and biologists from *icipe*, University of Copenhagen, and University of Bern. The course will be held at the International Centre of Insect Physiology and Ecology (*icipe*) Duduville Campus, Nairobi, Kenya.



Fasciola hepatica



Participant Requirements

- Graduate or postdoctoral students and early career researchers.
- Work in field related to vector biology, with special interest in ticks, snails, and associated veterinary diseases.

Participant Registration

Workshop costs including registration, including local transport stipend (Ksh/day), and lunch will be sponsored.

Application Criteria

Interested applicants must submit the following documents by email to the coordinator of the summer school: kathrin.heitztokpa@csrs.ci:

- 1) Application cover letter (≤ 100 words) describing your background, personal area of interest and potential synergy between the training and activities ongoing at your current place of employment. Please make reference to how the knowledge gained during this course could be implemented in your current line of work.
- 2) Short research abstract
- 3) Curriculum vitae
- 4) One recommendation letter from persons familiar with the applicant is an advantage

Closing date for applications: 5th February, 2024





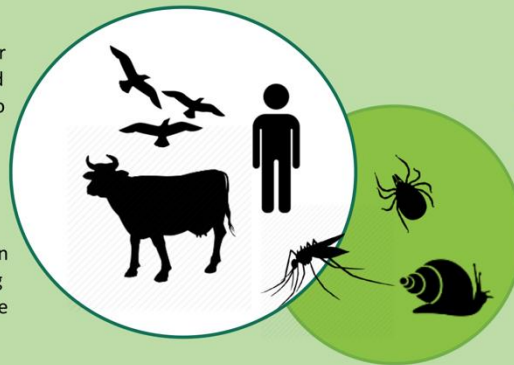
PREPARE4VBD: A Cross-Disciplinary Alliance to Identify, PREDict and prePARE for Emerging Vector-Borne Diseases

About PREPARE4VBD

Our mission:

Vector-borne diseases (VBDs) constitute a major challenge facing African healthcare systems and economies today - a threat that is anticipated to increase in the future. The PREPARE4VBD project addresses these challenges as a multidisciplinary consortium.

Our overall aim is to improve preparedness in Africa and Europe for a new Era of emerging zoonotic vector-borne diseases under climate change and globalization.



Our approach is:

- pro-active, rather than re-active – seeking to prevent and control zoonotic tick-, mosquito and snail-borne diseases at the early phases of

- cross-organismal, “casting the net wide” to address a diverse range of zoonotic vector-borne diseases and enable cross-organismal learning and integrated and synergistic approaches to vector-borne surveillance, prevention and control.

Framework

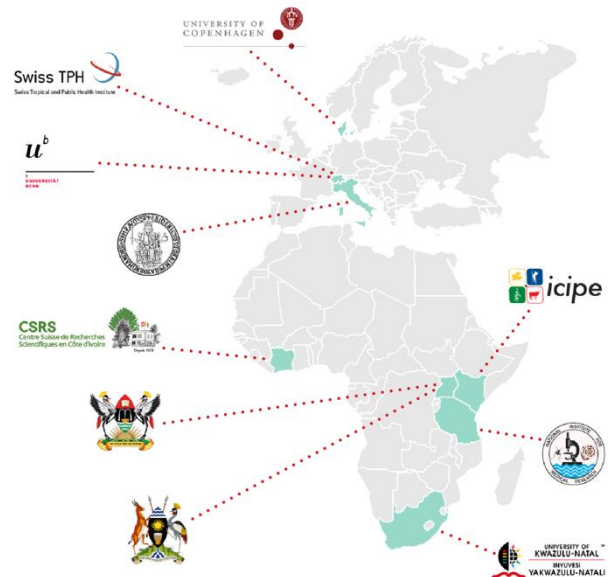
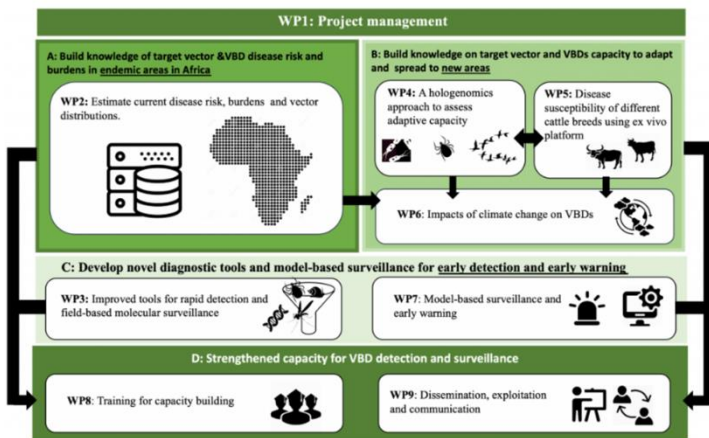
The project is organised...

Is it relevant to include something about work packages?

Or would we rather use more space talking about vector-borne diseases?

Our partners

The PREPARE4VBD Consortium consists of 10 university and ministerial partners in Africa and Europe. The consortium is highly complementary in terms of the expertise and multi-disciplinarity, including veterinary and human health, anthropology/social science, epidemiology, disease- and vector biology and ecology, molecular biology, movement ecology, biostatistics and modelling in relation to tick- mosquito- and snail-borne diseases.



Find us on:



@prepare4vbd

<https://www.prepare4vbd.eu>

Contact

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