



MOOC Medical Entomology

**A NEW FREE ONLINE COURSE
OF THE INSTITUT PASTEUR**

About 25% of annual deaths worldwide are related to infectious diseases and 23% of them are directly related to vector-borne diseases (VBD). Vector-borne pathogens are maintained by alternate replication in both vertebrate hosts and insect vectors. Pathogens such as bacteria, parasites and viruses primarily circulate within an enzootic cycle between animals and zoophilic vectors. This "wild" cycle sometimes spills over with infections of humans and domestic animals causing outbreaks and pandemics. The design of control strategies for VBD should be guided by research to understand how a wild cycle can produce a pathogen that goes on to cause devastating urban epidemics.

The MOOC "Medical entomology" will teach the role of vectors in the functioning of ecosystems and how to interrupt the vector transmission chain. It is organized from an entomological perspective, with each session devoted to a particular taxonomic group of insects and ticks. The MOOC is dedicated to students in biological or medical sciences, public health advisors (human and animal health), stakeholders in vector control, researchers and NGO members.

This MOOC is organized in 6 weeks of 3-6 sequences. Each sequence is composed of a 10 minutes video and a multiple choice test to help students check their understanding. The videos are in English subtitled in French and English.

-  Starts on March 12, 2018
-  FREE
-  Certificates available
-  English with French subtitles
-  Estimated effort: 2h30/week
-  Forum to exchange opinions, etc.

6
WEEKS

26
SPEAKERS





29
VIDEOS

180
QUESTIONS

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