Digital Education
Massive Open Online Courses
MOOCs

In light of the increasing role of the digital technology in education, the Institut Pasteur is actively involved in the development of online teaching, and in particular in the production MOOCs (Massive Open Online Courses).

MOOCs answer multiple objectives and can address students who follow an academic path (teaching unit of Master's programs or graduate schools for instance) or the broader public, in the framework of popular science MOOCs.

The Institut Pasteur has already developed several MOOCs and reached between 3 300 and 4 600 learners according to the MOOCs, with a significant share abroad.

The Institut Pasteur has created the following Moocs:

- **Concepts and Methods in Epidemiology MOOC**, co-directed by Arnaud Fontanet (Unit of Emerging Disease Epidemiology). The third edition of this MOOC occurred in April 2016

- **Vaccinology MOOC** co-directed by Armelle Phalipon (Unit of Molecular microbial pathogenesis) and Frédéric Tangy (unit of Viral genomics and vaccination). The second edition of this MOOC will be launched Dec. 5, 2016, builds on the current Pasteur Vaccinology course

- **From neuron to behavior MOOC**, co-directed by Pierre-Marie Lledo (Perception and Memory Unit), launched for the first time during spring 2016. This Mooc builds on the Development & Plasticity of the Nervous System course

- **Medical entomology course**, led by Anna-Bella Failloux (Unit of Arbovirus and insect vectors) and Robert Vincent (IRD), which will be offered on FUN from January 2017

Several MOOCs are under construction and should be available in 2017:

- **Innate Imunity MOOC, Microbes and brain MOOC, and the Advances in stem cell biology MOOC**

Moreover two MOOCs were conducted in collaboration with the University of Geneva:

- **In the footsteps of ... Zika approaching the unknown MOOC**, available on the American platform Coursera since summer 2016. Several sessions of this MOOC, co-organized by the University of Geneva, Institut Pasteur, Paris Descartes University and Virchow-Center Villermé, were filmed at the International Zika summit, held at the Institut Pasteur in April 2016

- **The One health MOOC**, also in collaboration with the University of Geneva, features interviews conducted on the campus of the Institut Pasteur and sequences shot in the field with teams from the Institut Pasteur Network (Hong Kong, Phnom Penh, Tunis). This MOOC will be offered “on-demand” on Coursera in Spring 2017

Discover more: https://www.pasteur.fr/en/education/programs-and-courses/e-learning-mooc