A week-course in October every year. This course, taught in English, delivered within the framework of the Pasteur school is dedicated to candidates with a medical or scientific training background who are interested in all aspects of this discipline: medical and public health students, scientific Master 2 and PhD students (Virology, Retrovirology), physicians, pharmacists, veterinarians and other health professionals.

**Objectives of the course:**
The aim of the course is to educate graduates and post-graduates with understanding and expertise in retrovirology with a particular focus on mechanisms of replication and role played by these viruses leading to pathogenesis, as well as therapeutic and vaccinal approaches.

To ensure a maximum of interactivity, conferences, tutorials and round table will be organized to allow students to discuss with experts, to ask questions and globally to exchange and pave the way for future collaborations.

**Program of the course:**
Retroviruses comprise a diverse family of enveloped RNA viruses. The course will be focused essentially on human immunodeficiency virus (HIV), Human T lymphotropic viruses (HTLV), as well as other retroviruses such as foamy viruses and endogenous retroviruses. During this course, specific aspects will be developed as the regulation of viral gene expression, host restriction factors to infection, various aspects of pathogenesis, the immune response to retroviral infection, the use of retroviruses as gene delivery devices and recent antiretroviral therapies.

**Online registration:**
https://www.pasteur.fr/en/retroviruses

**Co-directors:**
Pierre-Emmanuel Ceccaldi,
Nolwenn Jouvenet
Jean-Pierre Vartanian

**Practical information:**
Deadline for application: July 31, 2017
Attendees: 16 students
Contact: enseignement@pasteur.fr