

# Biobanking (Online Course)

2<sup>nd</sup> session starts from December 15th to March 25th, 2022

The Institut Pasteur Paris, the Network of Biological Resources of Institut Pasteur (PIBnet) and the European Virus Archive Global (EVA-GLOBAL, H2020 Grant No. 871029) as well as the HSeT Foundation have developed an online training tool, COLT (Customized online training course), adapted to the training and transfer of knowledge to students and staff of biobank structures, especially in developing countries. This training will emphasize conditions to optimize the functioning and development of individual research infrastructures of biobanking, and the implementation of a common quality management, in particular for bioresources collection associated labs localized in developing countries.

The targets of this training are highly motivated technical staff or students with master level or equivalent professional experience.

## Objectives of the course:

Select samples of interest for a collection  
Implement and apply standard  
characterization and storage procedures  
that meet international quality standards  
Fulfil regulations governing international  
exchanges

Develop an international community and  
network of qualified biobank specialists  
(teachers or other participants).

## General organization:

Trainees will have access to theoretical  
and technical modules via dedicated web  
pages (4 weeks). The course will end  
with a practical one-week session in the  
partner's laboratory where the final exam  
will take place. This practical session will  
give trainees the opportunity to get a more  
practical overview of the different activities  
and to discuss specific issues with experts.

## Co-directors:

Dr Hervé Bourhy  
Dr Jean-Pierre Kraehenbuhl

## Practical information:

**Deadline for application:** January 24th, 2022

**Attendees:** 36 students

**Duration:** 6 Weeks (included practical session in hosted lab)

**Contact:** [Biobanking-training@pasteur.fr](mailto:Biobanking-training@pasteur.fr)

## Program of the course:

### Module 1: Basics of biobanking

- Economics & sustainability
- Types of biobanks
- ELSI
- Governance

### Module 2: Quality Management System

- Best practice guideline
- International standards
- Operational process
- Management processes

### Module 3: Biosafety & biosecurity

- Personal protective equipment
- Risk group classification
- Biosafety level
- Risk assessment
- Biosecurity for biobanking
- Dual use

### Module 4: Regulations & Ethics

- MTA
- The Nagoya Protocol
- Ethics

### Module 5: Case studies

- Human viral,
- Animal viral,
- Human and animal viruses
- Human samples

### Module 6: Technical

- Bacterial preservation
- Viral preservation
- NGS
- Transports

## Practical session

## Online registration:

[Click here to register](#)