

## INSTITUT PASTEUR COURSE - EDUCATION CENTER

# Biobanking (Online Course)

3<sup>rd</sup> session

from May 23<sup>th</sup> to June 15<sup>th</sup> and from Sept 11<sup>th</sup> to 14<sup>th</sup>, 2023

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:** April 20, 2023

**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 biobanks
- 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 part

- Bacterial preservation
- Viral preservation
- NGS
- Transports

**Practical session : Sept 11<sup>th</sup> to 14<sup>th</sup>, 2023**

### Online registration:

[Click here to register](#)

WWW.PASTEUR.FR/EN/EDUCATION

