

# CERTIFICATE

## PRINCIPLES OF BIOBANKING



IBBL joined forces with the University of Luxembourg Competence Centre to organise the 5<sup>th</sup> edition of the university **certification in Biobanking**.

The course is delivered by experts in the field and it combines environmental and clinical principles of biobanking into a unique transdisciplinary university certificate covering all technical, scientific and ethical/legal aspects. Its format takes place over **three weeks in June/July 2021** at Kirchberg campus, right at the heart of Luxembourg City.

### LEARNING OUTCOMES & OBJECTIVES

Participants will be able to master theoretical, operational and practical skills required to facilitate the activities of existing biobanks and assist in the creation of new ones. The course encourages the exchange of knowledge and skills across different thematic groups involved in biospecimen conservation, storage, science and research. Networking events will also be an opportunity to learn and exchange experiences.

In particular, participants will:

- ✓ Understand in depth the common principles of practical biobanking
- ✓ Put different types of biobanks in context and draw conclusions regarding the theoretical basis of their operations
- ✓ Apply the scientific basis of biobanking/biospecimen research in Standard Operating Procedure (SOP) development and implementation and in research exploitation of samples
- ✓ Question the logistical, practical and technical steps of biobanking, and evaluate their coherence and adequacy
- ✓ Compare different reports on biobank risk management and mitigation
- ✓ Develop Best Practices/Standard Operating Procedures (SOPs)
- ✓ Validate biobank protocols, training and technology transfers
- ✓ Analyse biobank Quality Management Systems (QMS) and the principles of certification, quality assurance and 3<sup>rd</sup> party ISO accreditation
- ✓ Master the regulatory, legal and ethical aspects of biobanking
- ✓ Produce biobank cost analysis and recovery reports

### CONTENT

The curriculum is based on notions from different types of biobanks and biorepositories - clinical, human, plant, microbial and environmental.

Participants will tackle **16 different modules** and the curriculum includes site visits and practical demonstrations at IBBL. Tutorial-based discussions on the development of a Quality Assurance document (process flow, procedure, SOP), process analysis, the identification of quality indicators and the analysis of an SOP will also be included in the agenda.

Participants will produce an essay which will be submitted in September as a final evaluation. This will allow them to explore a topic of choice and of interest to their organisation. The successful completion of the course will result in a **10 ECTS certificate** delivered by the University of Luxembourg.

## ORGANISATION

The training will take place in June/July 2021 in Luxembourg.

The University of Luxembourg Competence Centre can assist participants in finding a room in the Residency Hall at the University if necessary. For all information (on costs & location), please contact the Competence Centre.

### TARGET AUDIENCE

Biobank managers, biobank auditors, biobank technicians, ethics committee members, clinical researchers, pathologists, and environmental collection curators.

### FEES

**2750€**  
(+3% TVA)

Including lectures, training material and a field trip to IBBL as well as a networking dinner.

### ENROLLMENT

All applications must be submitted via the University of Luxembourg registration platform.

**More details on the criteria on the website.**



## MORE INFORMATION:

### IBBL

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### Competence Centre

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