

## 'HOW TO BUILD A BIOBANK'

### AGENDA

Project Name:	How to build a biobank – Learning by doing
Date:	November 22-24, 2017
Locations:	<ul style="list-style-type: none"> <li>- BIOBANK GRAZ- ZWT Neue Stiftingtalstrasse 2, 8010 Graz</li> <li>- ZMF Stiftingtalstrasse 24, 8010 Graz</li> </ul> Tel +43-316-385-72716 Fax +43-316-385-72731 biobank@medunigraz.at www.medunigraz.at/biobank

#### Detail information

##### This course is set up to:

- Deliver the theoretical, operating and hands-on comprehensive knowledge essential to enable the activities of current and emerging biobanks
- Transfer best practice principles for biobank personnel, investigators, clinicians and interested individuals
- Encourage principle-based exchange of knowledge and skills crosswise between different biobanking activities involved in biospecimen preservation, storage, science and research
- Enhance research quality in and public awareness of biobanks

##### Target groups:

- Biomedical researchers
- Clinicians
- Pathologists
- Biobanking specialists
- Biobanking employees
- Laboratory heads
- Quality managers
- Ethics specialists
- Researchers working with biobanks
- Lab technicians
- Economists working in biobanks

## Topics:

- Definitions and types of biobanking, what and how
- Governance types and possibilities
- Biobanking ethics, privacy, Informed consent and data security
- Design and services of a biobank
- Cost calculation and funding
- Quality management and process Improvement
- Sample collection and processing (Fluid and Tissue)
- Sample storage and retrieval
- Biobank data systems and records management

## Format:

The format of this course is a mixture of presentations and discussion sessions allowing participants to learn from the expert advice and the specific experience of their peers.

**ECTS: 1; DFP: 23**

## Schedule

### Day 1- Nov. 22, 2017:

<u>Type</u>	<u>Content</u>	<u>Time</u>
Registration		08:30-09:00
Welcome	Introduction	09:00-09:15
Work plan & Orientation	Course introduction	09:15-09:45
Lecture	Stations of sample processing	09:45-10:15
Coffee break		10:15-10:30
Guided Tour	Pivotal stations of sample processing at Biobank Graz	10:30-13:00
Lunch		13:00-14:00
Lecture	Definition, function & challenges of biobanks	14:00-14:30
Lecture	Biobanking landscape	14:30-15:00
Coffee break		15:00-15:15
Sponsor Presentation	The ASKION C-line® HS200-series - a modular system solution for high capacity and automated Cryo-Biobanking	15:15-15:30
Lecture	Biobanking networks in Europe	15:30-16:15
Leisure Time		
Social Event	Sightseeing and Dinner	17:40

### Social Event:

On **Wednesday** evening a sightseeing tour through Graz is organized. During this short walk the main sights are shown. Thereafter, all participants are guided to the restaurant where the dinner takes place.

**Day 2- Nov. 23, 2017:**

Type	Content	Time
Welcome Day 2		09:00-09:05
Lecture	Possibilities for improvement of existent manual systems and processes in biobanking	09:05-09:20
Lecture	Information about different sample types	09:20-09:35
Demonstration	Tissue (FFPE) + blood sample processing and documentation (buffy coat, serum, plasma)	09:35-10:05
Coffee break & change of location		10:05-10:30
Hands-on training	- Tissue sample processing (FF, FFPE) & documentation - Cord blood and placenta tissue sample processing - Hair & saliva sample processing for different research questions	10:30-12:10
Lunch		12:10-13:10
Lecture	Cost-covering administration of non-profit biobanks	13:10-13:40
Lecture	Financing and funding for biobanks	13:40-14:10
Sponsor Presentation	Cell Stabilization STRECK: The Worldwide Leader in Sample Stabilization	14:10-14:25
Lecture	Data Management	14:25-14:55
Coffee break & change of location		14:55-15:10
Lecture	Data protection & ethical issues	15:10-15:55
Lecture	QC & Biobanking research	15:55-16:25
Lecture	Sample quality issues	16:25-16:55

**Day 3- Nov. 24, 2017:**

Type	Content	Time
Visit/Lecture	Services for Biobank Graz customers	09:00-11:00
Coffee break		11:00-11:10
Lecture	Quality management: How it can work – case study	11:10-12:00
Lecture	How to build a “Biobank IT-system”	12:00-12:45
Lunch		12:45-13:30
Lecture	Internationalizing Education for the Health Professions	13:30-14:00
Sponsor Presentation	Sample storage tubes as quality-critical components in biobanking	14:00-14:15
Lecture	Digital image analysis	14:15-14:45
Lecture	Minimal requirement to build a biobank	14:45-15:15
Discussion	Open questions, Review	15:15-15:30
Evaluation, Closing remarks and Graduation		15:30-16:00