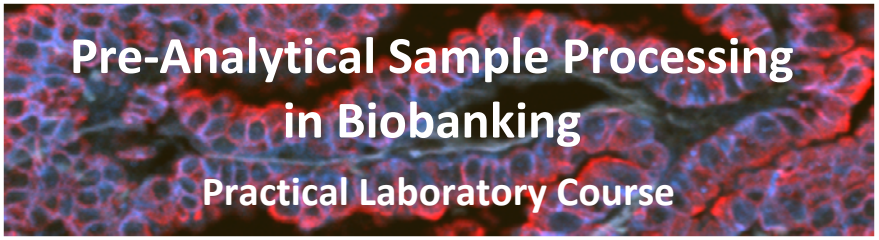

Pre-Analytical Sample Processing in Biobanking

Practical Laboratory Course

Date	**February 4 - 6, 2015**
Location	**Institute of Pathology, Medical University of Graz, Auenbruggerplatz 25, A-8036 Graz, Austria**
Organizers & contact	BBMRI.at -- Medical University of Graz -- Christian-Doppler-Laboratory for Biospecimen Research and Biobanking Technologies • Kurt ZATLOUKAL, national node director BBMRI.at Medical University of Graz; kurt.zatloukal@medunigraz.at • Cornelia STUMPTNER, project manager BBMRI.at Medical University of Graz; cornelia.stumptner@medunigraz.at www.bbmri.at

Course description	
Course objective	This course will provide in-depth theoretical insight and practical experience concerning variables during pre-analytical sample processing that are critical determinants for the quality of biological samples and further molecular analyses. The participants will have the opportunity to perform major steps in pre-analytical sample processing in the laboratory.
Course content	• Assessment of critical pre-analytical steps in sample processing from patient to storage to analysis • Influence of different sample stabilization procedures (tissue: formalin fixation, PAXgene fixation, snap freezing; blood: for analysis of free circulating DNA; urine: for metabolome analysis) • Influence of different storage conditions • Isolation of biomolecules • Performance of quality control assays (RIN, spectrophotometer, electrophoresis, qRT-PCR) • Documentation and data management • Quality management (SOPs, ISO and CEN standards) • Biosafety and biosecurity • Ethical and legal requirements • Presentation and visit of the Biobank Graz
Target group	MD, PhD, students, and technicians who work or are planning to work in the field of biobanking
Course structure	Lecture (L); Practical Laboratory Work (P); Demonstration (D)

Preliminary program	
DAY 1 (L, P, D)	**Sample preparation** (of tissue, blood, urine with focus on sample collection, ischemia time, fixation methods, and storage conditions)
DAY 2 (L, P, D)	**Isolation of biomolecules** (e.g. isolation of RNA and free circulating DNA using various methods) **Quality control** (quality assessment of samples using different assays)
DAY 3 (L, P, D)	**Quality control** (continued) **Documentation & data management; quality management; biosafety & biosecurity; ethical & legal requirements**

Registration & fee	
Registration period	July 24, 2014 – October 14, 2014
Application & contact	Please register by sending an email to Cornelia Stumptner - cornelia.stumptner@medunigraz.at • providing your contact data (name, organization, address, telephone number, email, function in your organization) • and a short CV and a description of the relevance of the workshop to your work. **Deadline** for registration and sending the CV is **October 14, 2014.** The organizers will choose the participants based on the relevance of the workshop to the participants' work. You will be notified of your acceptance for the laboratory course by the end of October 2014.
Participation fee	€ 650,- (incl. coffee breaks and lunch). Payment details will be provided after confirmation of acceptance.
No. of participants	The number of participants is limited to 15.
Credits	The course will be approbated with DFP/CME credits points.

Travel & accommodation

Travel and accommodation have to be organized by the participants. We will provide general information and a list of hotels together with the confirmation of acceptance.