



## Abstract Book

# Europe Biobank Week 2016

August 22<sup>th</sup> 2016



# Summary

## Oral Communications

**p03**

P – Plenary sessions	p04
A – Innovation sessions	p15
B – Patient and ELSI sessions	p50
C – Data sessions	p86
D – Biomarker sessions	p115
E – Quality management sessions	p145
F – LPC Forum	p 156
G – Biobanking for environmental and biodiversity sessions	p168

## Poster Communications

**p178**

Biospecimen Research	p179
Education & Standards	p201
ELSI	p215
Informatics	p227
Management	p240
New technology	p259
Organisation profiles	p265



# Oral Communications



## Oral Communications

# E – Quality management



**Session:** E2: Sample integrity and quality assured biobanking

### **E2-5: Evaluation of the Compliance of Current Standard Operating Procedures with the CEN/TC 140 Guidelines among Austrian Biobanks**

S. Neururer\*(1), C.Stumptner(2), H.Haslacher(3), P.Hofer-picout(1), G.Göbel(1)

*(1)Medical University of Innsbruck, Innsbruck, Austria, (2)Medical University of Graz, BBMRI.at, Graz, Austria, (3)Medical University of Vienna, Vienna, Austria*

Standard Operating Procedures (SOPs) help to assure quality and describe standardized sample handling, conception of experiments, and analysis [1]. The implementation of harmonized SOPs for biobanking is a key objective of BBMRI.at, the Austrian national node of BBMRI-ERIC [2]. Therefore the current state of implemented SOPs had to be assessed. The aim of this study was to evaluate the compliance of the current pre-analytical procedures in Austrian biobanks with international guidelines, based on the draft versions of the CEN/TC 140 guidelines. In order to conduct this evaluation, we developed a three-stage evaluation approach, that included the (1) structured analysis of the CEN/TC 140, (2) implementation of a web-based evaluation tool (Pre-An Evaluation Tool) [3], and (3) evaluation itself. The tool enabled the assessment of information about the extent of coverage of requirements according to the CEN/140 TC by currently installed SOPs in a quick and useful manner. It was implemented to identify commonalities and differences between SOPs and to put a step towards harmonization and standardization of SOPs. The evaluation was conducted among the BBMRI.at partners who provided information on all material (sub-)types collected in their biobank. In total, we were able to analyze 24 data sets from four different biobanks in detail. Even though the evaluation shows that SOPs are installed in order to guarantee a good sample quality, not all requirements defined by the CEN/TC 140 are fulfilled. Therefore, the implementation of additional processes in order to fulfill the CEN/TC 140 requirements is needed.

**Keynotes:** SOPs, QM, Evaluation