

P140: The VetBiobank: Leading the way in incorporating veterinary samples into the BBMRI consortium

Wieser, Monika (1); Burger, Stefanie (1); Kummer, Stefan (1); Schär, Joana (1); Stargardt, Melanie (1); Walter, Ingrid (1)

(1) University of Veterinary Medicine, Vienna, Austria

Description

The Austrian national node (BBMRI.at) of the European Biobanking and BioMolecular Resources Research Infrastructure (BBMRI-ERIC) unites the Austrian medical universities and their biobanks but also includes the University of Veterinary Medicine Vienna and its VetBiobank as a fully accepted consortium partner. The VetBiobank collects biospecimens, primarily tumor tissue from dogs and cats, after clinical interventions. Like its human counterparts, the VetBiobank is committed to establishing a pre-analytical sample management system that complies with relevant ISO standards. These standards include, for example, documentation of ischemia times, transportation conditions, processing details, type of fixation, fixation time, and more. The sample processing and data collection on animal patients, diagnosis, treatment, and sample management are harmonized with clinical samples from human biobanks, providing the foundation for comparative research in the One Health field. Cats and in particular, dogs have already been recognized as valuable models for human medicine, as they are affected by similar diseases. There is no doubt that cooperation between human and animal biobanking will be mutually beneficial. BBMRI-ERIC acknowledges the great potential in collaborating with the University of Veterinary Medicine, the sole entity within the network focused on veterinary samples. Considering this, BBMRI-ERIC aims to inspire and encourage other nodes to support their veterinary partners within the network. BBMRI-ERIC will offer support in utilizing the established infrastructure. Additionally, VetBiobank, with its expertise in sample processing and data collection, is prepared to share valuable insights with the community.

Keywords

Veterinary biospecimens, Comparative Medicine, One-Health, preanalytics, BBMRI-ERIC