

Advancing biobanking in europe to foster cancer research

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Abstract

Background/Objectives: BBMRI-ERIC is the European research infrastructure for biobanking and biomolecular resources in health and life sciences. BBMRI-ERIC encompasses 24 Members and Observer countries and IARC/WHO; comprising 25 National Nodes, 473 biobanks and affiliated partners. BBMRI-ERIC enables the development of innovative technology and processes as transnational European infrastructure that facilitates responsible access to high quality samples, data and biomolecular resources.

Methods/Results: This is facilitated through services and advancements in the areas of Ethical, Legal and Societal Issues (ELSI), Quality Management (QM), Information Technology (IT), Biobank Development (BBD), Public Affairs (PA), Outreach, Education & Communications (OEC), and Finance- and Project Management (FPM). Hereby, BBMRI-ERIC engages its community and partners in more than 23 active EU projects, including various projects for advancing cancer research that are strongly aligned with Cancer Mission and the EU Cancer beating plan namely, canSERV, EOSC4Cancer, EUCAIM, and the newly granted UNCAN projects. Our federated access and analysis platform has become a strong asset and reference point for major EU initiatives (e.g., EHDS, 1+Mio, GDI, EUCAIM) and helps scientists and clinicians to accelerate their personalised medicine research: BBMRI's fully GDPR-compliant pipeline enables access to samples and data of over 7 Mio. patients facilitated across 32 countries. The data comprise 7,834 distinct OMOP variables with biochemical measurements plus different types of OMICS data including e.g., over 150,000 genomes.

Conclusions: We will showcase how to access and make use of the richness of BBMRI-ERIC's resources and how to collaborate with our wider community on different topics through in-house or EU funding – locally, nationally or EU wide to foster cancer research.

Do you have any conflicts of interest?

No, I do not have a conflict of interest.