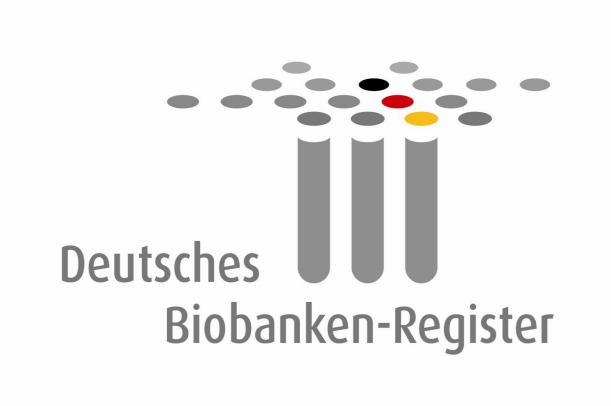
Synergy, quality & standards – shared solutions for health



The TMF Fosters International Visibility of Biobanking in Germany by Establishing a National Biobank Registry with an Integrated User Portal

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BACKGROUND - SUMMARY

As one of the first steps towards any efficient research using resources in human biomaterial banks, it is essential that the biobanks become widely visible to the scientific community. Since there is currently no structured access to information on individual biobanks available in Germany, the TMF (see Infobox at bottom) has set out to establish a national biobank registry with an integrated user portal. This registry will allow participating biobanks to easily maintain an up-to-date and publicly accessible overview of their material and data, and of their research activities. This will add to transparency and increase trust of the public in research with biobanks. The registry will greatly facilitate scientific collaborations at both the national and international level. The project is funded by the German Federal Ministry of Education and Research (BMBF) and is being implemented in its 1st version at www.biobanken.de. There, it will replace a web-based open-access german biobank address registry, previously operated by TMF since 2007.

The German Biobank Registry -(Version 1.0)

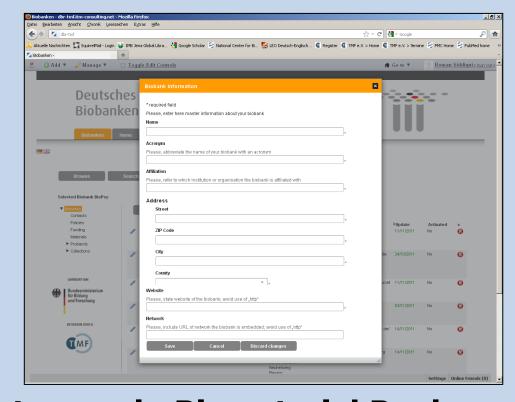
- Web-based interactive registry
- Parsimonious number of elements to become registered
- Easy to keep biobank data up-to-date and controlled by individual biobank operator
- Integration of biospecimen quality codes
- Pragmatic <u>overview</u> on type of materials and sample size
- Overview on disease orientation of biobanks
- Compatible with BBMRI-core data set
- Interfaces for integration of other repositories, e.g. clinically relevant model organisms, biodiversity etc.
- Incorporation of project search portals analogous to CRIP (www.crip.fraunhofer.de)
- Bottom-up approach: Prepared to mirror the national biobank landscape into pan-european infrastructures

Features & Screenshots

BIOBANK-BROWSER

 intuitive browsing through the inventories of biobanks

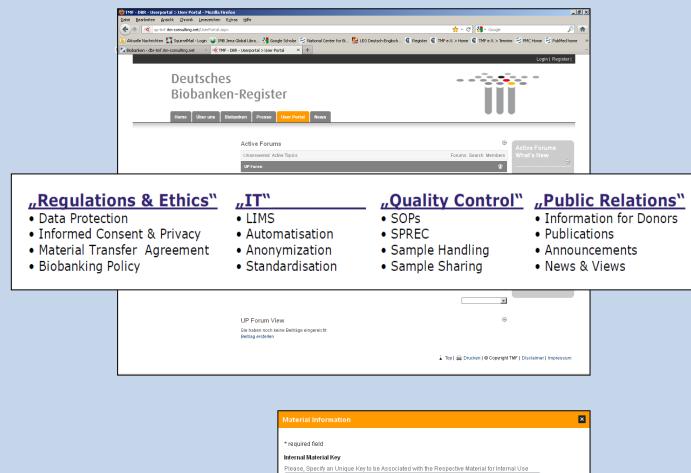


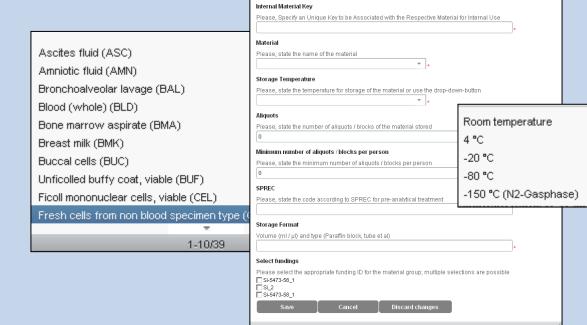


Entry mask: Biomaterial Bank

COMMUNICATION – User Portal

• User fora for ethics, regulation and methodology in state of the art-biobanking

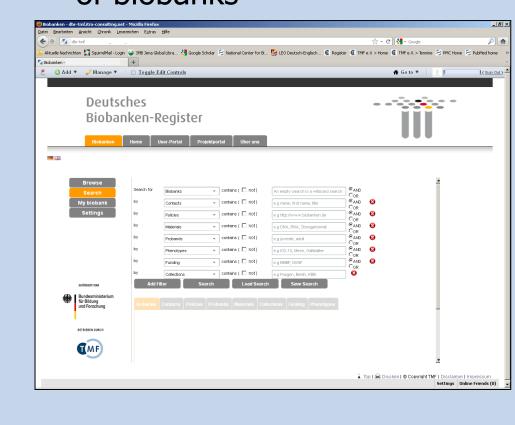


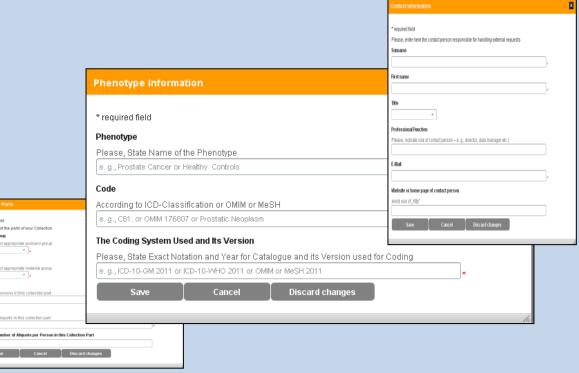


Entry on material. Note, Standard Preanalytical Coding for Biospecimens included (Betsou et al. 2010. DOI:10.1158/1055-9965.)

SEARCH by FILTERS

 searching through the inventories of biobanks





Further examples of entry masks

Infobox for TMF (more at www.tmf-ev.de)

TMF - Technology, Methods, and Infrastructure for Networked Medical Research e. V. - is an umbrella organization for medical research networks in Germany. As of October 2011, 89 mostly academic medical research networks and institutes across the country are members of TMF. The TMF was founded as a non-profit organization in 1999 and is funded by the Ministries of Education and Research (BMBF), of Health (BMG), of Economics and Technology (BMWi), and the German Research Council (DFG). The TMF aims at improving the organization and infrastructure for networked medical research, i.e. clinical, epidemiological and translational research.



Medical science research-networks in Germany being members of the TMF

Main Expertise at TMF

- Legal and ethical framework conditions
- Quality management & controlling
- Interconnection of research and health care
- Standards and terminology
- IT infrastructure for clinical research

Philosophy at TMF

- Bottom-up approaches & consensus-driven
- Address scientist-defined needs
- Develop generic solutions

TMF working groups (WG)

- WG Biobanking
- WG IT infrastructure and quality management
- WG Data protection, privacy and security
- WG Management of clinical trials
- WG Medical technology
- WG Molecular medicine
- WG Zoonosis and infection research
- WG Forum grid
- WG Patients representatives forum develop:
- expert & legal opinions consulting eServices - IT infrastructure & tools etc.

available for free!

TMF book & publication series (more at www.tmf-ev.de/Produkte/Uebersicht.aspx) Biospecimen quality Biobanking regulations Data protection Informed consent Funded by



