BBMRI
Expert Centres

K. Zatloukal
Medical University of Graz, Austria

Stakeholder Meeting
Paris, December 15th 2009
BBMRI Expert Centres

A new model of public-private-partnership to improve efficacy of biospecimen research for academia and industry
Why Expert Centres?

- To generate best possible use of biological samples
  - Specific medical/scientific expertise required for proper sample selection and data interpretation
  - Standardized state of the art analysis platforms prerequisite for data sharing
  - High level quality management is prerequisite for industry to trust in data generated in public environment

- Alternative to sample shipment
  - Opportunity for research collaborations with countries with export restrictions
  - Improved access to industry
  - Avoids impression of sample commercialisation

BBMRI
Biobanking and Biomolecular Resources Research Infrastructure
Access by the Industry

Surgeons
Pathologists
Radiologists
Oncologists
Lab medicine etc.

Patient's Sample Med. data

Samples Med. data
Cost recovery
Industry

Problem if no scientific collaboration is possible since financial compensation is no reasonable incentive for contributors and not accepted by public
Expert Centers: Model A

Provides efficient access to samples, data and expertise
Mutual benefit from expertise and in-kind contributions
Reduces requirements for sample shipment
Gateway for global collaborations
Expert Centers: Model B

- Hospital Patients
  - Samples
  - Med. data
  - Expertise
  - Data
  - Cost recov.

- Biobank
  - Samples
  - Med. data
  - Expertise
  - Data
  - Cost recov.

- Expert Centers
  - Research data
  - Expertise
  - In-kind
  - Cost recov.

- Industry
  - Private – competitive
  - (for-profit)

Public
(not-for-profit)

Provides efficient access to samples, data and expertise
Mutual benefit from expertise and in-kind contributions
Reduces requirements for sample shipment
Gateway for global collaborations
Expert Centers: Model C

Hospital Patients → Biobank → Expert Centers → Industry

Public (not-for-profit)

Sample, Med. data, Expertise, Cost recov.

Processed samples, Expertise, Cost recov.

Private – competitive (for-profit)

Provides efficient access to samples, data and expertise
Reduces requirements for raw sample shipment
Expert Centers Features

- Specifications defined together with industry
- Industry participates in QM
- Participation in ring trials
- Common reference samples
- Certification / Accreditation
- Confidentially guaranteed like by CRO
- Different models, great flexibility
Global Integration of BBMRI by Implementation of the OECD GBRCN Concept in Europe
Expert Centres as Highways for Transnational Research Collaborations

Europe

Biological Resource Centre

Samples
Medical Data

Expert Centre

Research Data

Biological Resource Centre

Samples
Medical Data

Expert Centre

China
Thank you

www.bbmri.eu