Biobank Standardisation and Harmonisation for Research Excellence in the European Union

Fact Sheet

Project Information

BIOSHARE-EU
Grant agreement ID: 261433

Funded under
FP7-HEALTH

Closed project

Overall budget
€ 15 653 216,47

EU contribution
€ 11 998 152

Start date
1 December 2010

End date
30 November 2015

ACADEMISCH ZIEKENHUIS
GRONINGEN
Netherlands

Objective

Given contemporary understanding of the complexity of the causal architecture of common chronic diseases, the next stage of bioclinical scientific progress will depend critically on large-scale pooled analyses of high quality data from many biobanks and bioclinical studies. Such analyses will only be possible if we are able to harmonise and standardise the collection, storage, and management of data and biosamples across biobanking studies. Recent consortium-based meta-analyses of genome-wide association studies (GWAS) have clearly demonstrated that it is possible to pool and analyse genomic data with broad indicators of disease status. But if health care science is to move quickly towards the exciting goals that have been envisaged for public health, clinical science, and personalised medicine a far
greater challenge must now be overcome. That is, the standardization and harmonization of data and key measures of life-style, social circumstances and environment, as well as critical sub-components of the phenotypes associated with common complex diseases. This is the mission of BioSHaRE-EU. BioSHaRE-EU will work hand-in-hand with BBMRI (Biobanking and Bio-molecular Resources Research Infrastructure) and P3G (Public Population Project in Genomics), to build directly on extensive precursor work in the field of harmonisation and standardisation. The project will deliver tools to harmonize phenotypes of complex diseases, as well as lifestyle and environmental factors. In addition, it provides statistical methods and biostatistical tools for meta-analysis of large scale studies. These tools and methods will be developed and implemented in five large partner-biobanks: HUNT, KORA, LifeGene, LifeLines, UK-biobank. BioSHaRE-EU will also implement these in additional disease consortia of clinical biobanks, and other population-based biobanks.

Fields of science

medical and health sciences › health sciences › health care sciences
medical and health sciences › health sciences › public health

Programme(s)

FP7-HEALTH - Specific Programme "Cooperation": Health

Topic(s)

HEALTH.2010.1.1-1 - Harmonisation of phenotyping and biosampling for human large-scale research biobanks. FP7-HEALTH-2010-single-stage

Call for proposal

FP7-HEALTH-2010-single-stage
See other projects for this call

Funding Scheme

CP-IP - Large-scale integrating project

Coordinator
Participants (16)

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Activity type
Higher or Secondary Education Establishments

EU contribution
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Activity type
Research Organisations

EU contribution
€ 883 212

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LEGAL PATHWAYS BV

EU contribution
€ 106 452,80

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Activity type
Private for-profit entities (excluding Higher or Secondary Education Establishments)

Contact the organisation

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ROYAL INSTITUTION FOR THE ADVANCEMENT OF LEARNING MCGILL UNIVERSITY

EU contribution
€ 265 400

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Activity type
Higher or Secondary Education Establishments
MEDIZINISCHE UNIVERSITAT GRAZ
Austria
EU contribution
€ 40 080
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Activity type
Higher or Secondary Education Establishments

PUBLIC POPULATION PROJECT IN GENOMICS
Canada
EU contribution
€ 639 094,40
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Activity type
Other

Ontario Institute for Cancer Research
Canada
EU contribution
THE CHANCELLOR, MASTERS AND SCHOLARS OF THE UNIVERSITY OF OXFORD

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Higher or Secondary Education Establishments

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EU contribution

€ 697 640

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<th>Activity type</th>
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<td>Beacon House Queens Road</td>
<td>Higher or Secondary</td>
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<tr>
<td>BS8 1QU Bristol</td>
<td>Education Establishments</td>
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Contact the organisation

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Rachel Evans (Mrs.)

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