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Age Gene/Environment Susceptibility-Reykjavik Study



Risk factors for cohort death

- “Inter-disciplinary, translational, bench-to-beside, systems biology, precision medicine, systems biology, big multi-dimensional datasets’
- Change in:
 - Technology
 - Infrastructure
 - The mix and types of scientific disciplines
 - Funding structure and amounts
 - Training/Reward Systems
- UK example of an integrated approach



UK DEMENTIA PLATFORM PUBLIC-PRIVATE PARTNERSHIP MRC AND INDUSTRY

Other Government/EU
and Industry initiatives

Biomarker cross validation with
population/disease specific
cohorts

Familial
cohorts

Stat
method
develop.

Novel
biomarker/
'omics'
eval

Readiness
cohort:
Repeat
measures in
Bio-bank

Outcome
adjudication
(incl. EMR)
for web-
based eval

Existing population-based cohort
integration

Portal for access

Data harmonization

Experimental
medicine
studies

Ethics, legal,
social issues

Other Government/EU
and Industry initiatives

