# Foundation Meeting on the New MRC Strategy

The Foundation for Science and Technology
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#### MRC Strategic Plan 2009-2014

- Reputation as one the world's most successful biomedical research funders
- 28 Nobel Prizes
- Discoveries across all of biomedicine from monoclonal antibodies to link between smoking and cancer

## Other Participants in Medical Research environment

- Many other funders (Wellcome Trust, CRUK, BHF, other Charities)
- Commercial Research (Pharma, Biotech, drugs, dx and devices)
- NIHR and the NHS
- MRC accounts for 20% of research spend from public sector

#### **OSCHR**

- Coordination of the 2 major health research budgets (MRC and NIHR). Cross dept working
- Eliminate redundancy and ensure support for the translational pipeline (lead organisation model)
- UK Wide working
- Strengthen Translational Medicine, e-Health and Public Health
- Increase the research budget to accommodate new activities and protect basic science
- 'Ring fence' around health research budget
- Monitor success

#### **OSCHR**: Unfinished business

- Communication
- Engagement with Industry
- Capacity Building
- Public Health
- E-health
- NHS



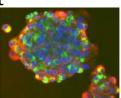
### MRC – Strategic Plan 2009-2014

#### **Issues**

- Working with other funders
- Maintaining excellence in basic science
- Improving translational capacity
- Global reach

#### Picking research that delivers

- Resilience, repair and replacement
  - Natural protection
  - Tissue disease and degeneration
  - Mental health
  - Repair and replacement
- Living a long and health life
  - Genetics and disease
  - Lifecourse
  - Lifestyles affecting health
  - Environment and health



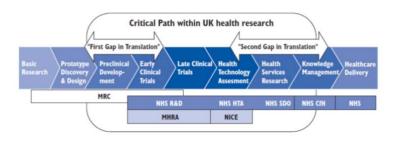


#### Lessons from the Ageing Agenda

- Lead Cross-council priority for 5 years
- Little impact on basic biomedical science
- Priorities
  - dietary restriction
  - IGF1
  - Sirtuins
  - oxidation
  - stem cell senescence
  - Glucocorticoids
  - DNA repair
- Interdisciplinary work should not constrain within discipline science

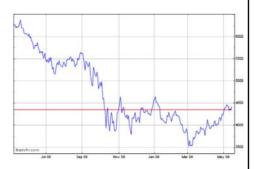
#### Research to People

- Translation
- Regulation, Ethics, Governance
- Communication



#### The Economy

 'Improving economic competitiveness' in the Charter



- Developing new programmes for translation
  - DPFS scheme
  - Centre for Drug Discovery
  - TSB programme in stratified medicine
- Communication
- What else ??

#### Working with Industry

- Communication much improved
- Alignment in programs with large and small companies
- Established success of MRCT
- Limited by academic capabilities and lack of a single industry view of priorities
- Stratified medicine is an important challenge

#### **Going Global**

- Partnership and shaping the agenda
- Global health
- Infections
- Chronic Disease
- Europe?
- ROW?

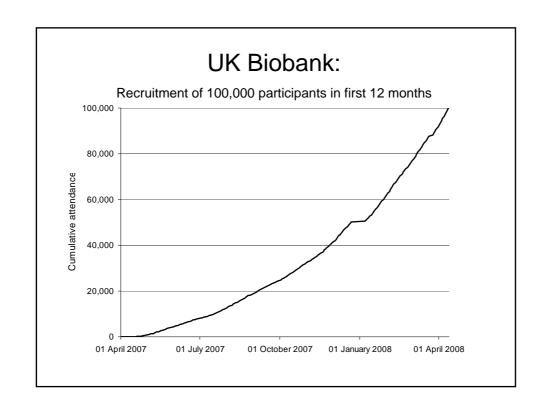




## **Supporting scientists**

- Capacity
- Use of population based data
- Research environment





#### Challenges in Public Health

- Budget constrained
- Multisectoral input from Government departments (Health, Education, Transport, etc.)
- Diverse participants and programs (infectious disease, chronic disease, mental health)
- MRC experience in obsevational epidemiology

#### **General Issues**

- Large versus small
- How much should the MRC focus
- Is the ring fence secure?
- Top-down versus bottom-up
- Should the MRC make choices?
  - Effectiveness of total Health Research spend
  - Health Care need
  - Capacity and skill base
  - Scientific tractability and opportunity
  - Need to balance interdisciplinary and single discipline activity
  - Critical mass required in centres of excellence