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# Health Research in the Seventh Framework Programme 2007-2013

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European Commission - DG Research





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# FP7 : What's new?

## Main elements:



- Duration increased to seven years
- Annual average budget increase  
€4.47 (FP6) to €7.22 billion (FP7)
- Frontier research (~ €1.1 billion per year)
- New structure:  
Cooperation - Ideas - People - Capacities
- Flexible funding schemes
- Joint Technology initiatives
- Simpler procedures
- Outsourcing



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# FP7 2007 -2013 Specific Programmes

❖ *Cooperation*

❖ *Ideas (external) - European Research Council*

❖ *People (external) - Marie Curie Actions*

❖ *Capacities*





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# Cooperation

## Ten Themes:

- 1 Health
- 2 Food, agriculture and fisheries, biotechnology
- 3 Information and communication technologies
- 4 Nanosciences, nanotechnologies, materials and new production technologies
- 5 Energy
- 6 Environment (including climate change)
- 7 Transport (including aeronautics)
- 8 Socio-economic sciences and humanities
- 9 Space
- 10 Security

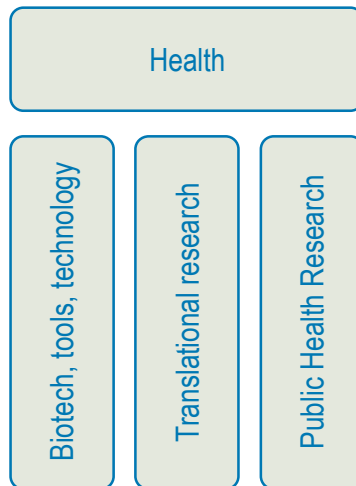


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# HEALTH

## Three pillars:



- Biotechnology, generic tools and technologies for human health
- Translating research for human health
- Optimising the delivery of health care to European citizens



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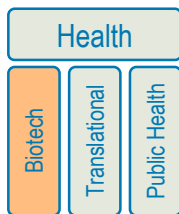
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# HEALTH

## Pillar 1:

Biotechnology,  
generic tools  
and medical  
technologies  
for human health

- High-throughput research
- Detection, diagnosis and monitoring
- Predicting suitability, safety and efficacy of therapies (incl alternatives to animal testing)
- Innovative therapeutic approaches and intervention





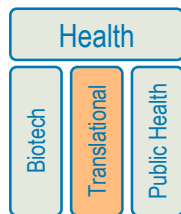
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# HEALTH

## Pillar 2: Translating research for human health

- Integrating biological data and processes:  
large-scale data gathering, systems biology
- Research on the brain and related diseases,  
human development and ageing
- Translational research in infectious diseases:  
drug resistance, HIV/AIDS, malaria,  
tuberculosis, Hepatitis, new and re-emerging  
epidemics, etc.)
- Translational research in major diseases:  
cancer; cardiovascular disease; diabetes/  
obesity; rare diseases; other chronic diseases  
(e.g. rheumatic, respiratory musculo-skeletal  
diseases and arthritis)





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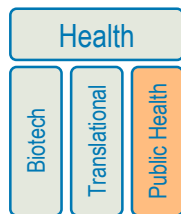
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# HEALTH

## Pillar 3:

Optimising the delivery of health care to European citizens

- Translating clinical outcome into **clinical practice**
- **Quality, efficiency and solidarity of health systems** including transitional health systems (i.e. health systems that are currently under reform)
- **Enhanced disease prevention** and better use of medicines
- Appropriate use of **new health therapies and technologies**







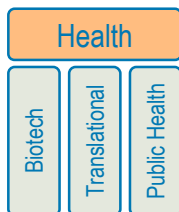
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# HEALTH

## Horizontal Issues:

- Two themes addressed horizontally across the three activity pillars
- Child health and paediatric diseases
- The health of the ageing population





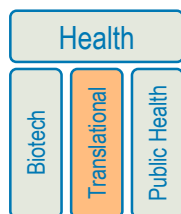
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# HEALTH

## Brain Research:

- Aim: better understanding of brain function and dysfunction
- Brain function: integrated micro and macro structure and dynamics of the brain
- Brain dysfunction: neurological and psychiatric diseases
- Search for new therapies, including regenerative and restorative therapeutic approaches
- Focus on translational clinical and industrial research leading to
  - innovative brain-machine interfaces
  - better diagnosis of brain diseases
  - new drugs





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# Research on the Brain and related diseases:

## Topics from first call (19 April 2007)

- ❖ Stroke and mechanisms underlying ischemic brain damage (IP).
- ❖ Coding in neuronal assemblies (FRP).
- ❖ Neurobiology of anxiety disorders (FRP).
- ❖ Memory loss: underlying mechanisms and therapy (FRP).
- ❖ From basic spinal mechanisms to spinal cord disease & trauma (FRP).
- ❖ Neuron-glia interactions in health and disease (FRP).



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# Research on the Brain and related diseases:

## Topics from second call (18 Sept 2007)

- ❖ Restorative approaches for therapy of neurodegenerative diseases (FRP - max. €6m).
- ❖ From mood disorders to experimental models (IP).
- ❖ Neuronal mechanisms of vision and related diseases (FRP).

### SICA topic:

- ❖ Childhood and adolescent mental disorders (FRP).



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# Thank you for your attention!



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