FP7 Cooperation Work Programme: Theme 1 - Health

Call Fiche

Call identifier: FP7-HEALTH-2007-A
Date of publication: 22 December 2006

Deadline: 19 April 2007, at 17.00, Brussels local time
 Indicative budget: €628 million from 2007 budget¹

• Topics called:

Activity/Area **Funding scheme Topic** 1. BIOTECHNOLOGY, GENERIC TOOLS AND MEDICAL TECHNOLOGIES FOR HUMAN HEALTH 1.1. HIGH-THROUGHPUT RESEARCH HEALTH-2007-1.1-1: Unifying human and model organism Collaborative project (Large-1.1. genetic variation databases. scale integrating project) HEALTH-2007-1.1-2: Temporal and spatial proteomics to study Collaborative project (Large-1.1. biological processes relevant to human health. scale integrating project) HEALTH-2007-1.1-3: Groundbreaking techniques for DNA Collaborative project (Large-1.1. sequencing and genotyping. scale integrating project) 1.2. DETECTION, DIAGNOSIS AND MONITORING Collaborative project (Small or 1.2. HEALTH-2007-1.2-1: Development of a hybrid imaging system. medium-scale focused research project) Collaborative project (Small or HEALTH-2007-1.2-2: Novel optical methodologies for detection, 1.2. medium-scale focused research diagnosis and monitoring of disease or disease-related processes. project) HEALTH-2007-1.2-3: Novel targeted imaging probes for early in Collaborative project (Large-1.2. vivo diagnosis and/or evaluation of response to therapy. scale integrating project) Collaborative project (Large-1.2. HEALTH-2007-1.2-4: In vivo image-guidance for cell therapy. scale integrating project) 1.3. PREDICTING SUITABILITY, SAFETY AND EFFICACY OF THERAPIES HEALTH-2007-1.3-1: Novel alternative testing strategies for use Collaborative project (Large-1.3. in pharmaceutical discovery and development. scale integrating project) HEALTH-2007-1.3-2: Bottlenecks in reduction, refinement and Coordination and support 1.3. replacement of animal testing in pharmaceutical discovery and action (Coordination or support development. action) HEALTH-2007-1.3-3: Promotion, development, validation, Collaborative project (Small or 1.3. acceptance and implementation of QSARs (quantitative structuremedium-scale focused research activity relationship) for toxicology. project) HEALTH-2007-1.3-4: Alternative testing strategies for the Collaborative project (Small or 1.3. assessment of the toxicological profile of nanoparticles used in medium-scale focused research medical diagnostics. project) Collaborative project (Large-1.3. HEALTH-2007-1.3-5: In silico modelling for ADMET outcomes. scale integrating project) 1.4. INNOVATIVE THERAPEUTIC APPROACHES AND INTERVENTIONS Collaborative project (Small or HEALTH-2007-1.4-1: Development and production of new medium-scale focused research 1.4. generation antibodies. project) Collaborative project (Small or HEALTH-2007-1.4-2: Innovative approaches for the development 1.4. medium-scale focused research of vaccines for young children. project) Collaborative project (Small or 1.4. HEALTH-2007-1.4-3: Immunotherapy of human food allergies. medium-scale focused research project)

Under the condition that the preliminary draft budget for 2007 is adopted without modifications by the budget authority.

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2 TRANSLATING	G RESEARCH FOR HUMAN HEALTH	
	G BIOLOGICAL DATA AND PROCESSES: LARGE-SCALE DATA	GATHERING SYSTEMS
BIOLOGY	o Biological Billian I no elegation Lancel contains	0.111121di (0, 5.15.12.115
2.1.1. Large scale d	lata gathering	
	HEALTH-2007-2.1.1-1: Networking biobanking initiatives across	Callabaration maint (Lanca
2.1.1.	Europe: developing standards and norms for existing and future	Collaborative project (Large- scale integrating project)
	human sample biobanks.	scale integrating project)
	HEALTH-2007-2.1.1-2: Molecular epidemiological studies in	Collaborative project (Large-
2.1.1.	existing well characterised European (and/or other) population	scale integrating project)
	cohorts.	
2.1.1.	HEALTH-2007-2.1.1-3: Comparative studies of genetic variation	Collaborative project (Large-
2.1.1.	in humans: towards a reference population in Europe.	scale integrating project)
2.1.1.	HEALTH-2007-2.1.1-4: Characterisation and variability of the	Collaborative project (Large-
2.1.1.	microbial communities in the Human Body	scale integrating project)
	HEALTH-2007-2.1.1-5: Structure-function analysis of	Collaborative project (Large-
2.1.1.	membrane-transporters and channels for the identification of	scale integrating project)
	potential drug target sites.	0 01 0 /
2.1.1.	HEALTH-2007-2.1.1-6: High throughput analysis of lipids and	Collaborative project (Large-
2.1.1.	lipid-protein interactions.	scale integrating project)
	HEALTH-2007-2.1.1-7: Genome-wide association studies in	Collaborative project (Large-
2.1.1.	mammalian non-rodent models for the identification of genes	scale integrating project)
	relevant to human health and disease.	seare integrating project)
2.1.2. Systems biole		1
2.1.2.	HEALTH-2007-2.1.2-1: A system approach to eukaryotic	Collaborative project (Large-
2.1.2.	unicellular organism biology.	scale integrating project)
2.1.2.	HEALTH-2007-2.1.2-2: Modelling of T-cell activation.	Collaborative project (Large-
2.1.2.	_	scale integrating project)
2.1.2.	HEALTH-2007-2.1.2-3: Fundamental approaches to stem cell	Collaborative project (Large-
2.1.2.	differentiation.	scale integrating project)
	HEALTH-2007-2.1.2-4: Developing an integrated in vitro, in vivo	Collaborative project (Large-
2.1.2.	and systems biology modelling approach to understanding	scale integrating project)
	apoptosis in the context of health and disease	
	ON THE BRAIN AND RELATED DISEASES, HUMAN DEVELOPME	ENT AND AGEING
2.2.1. Brain and br	ain-related diseases	_
2.2.1.	HEALTH-2007-2.2.1-1: Stroke and mechanisms underlying	Collaborative project (Large-
2.2.1.	ischemic brain damage.	scale integrating project)
		Collaborative project (Small or
2.2.1.	HEALTH-2007-2.2.1-2: Coding in neuronal assemblies.	medium-scale focused research
		project)
		Collaborative project (Small or
2.2.1.	HEALTH-2007-2.2.1-3: Neurobiology of anxiety disorders.	medium-scale focused research
		project)
	HEALTH-2007-2.2.1-4: Memory loss: underlying mechanisms	Collaborative project (Small or
2.2.1.	and therapy.	medium-scale focused research
	E.A.	project)
221	HEALTH-2007-2.2.1-5: From basic spinal mechanisms to spinal	Collaborative project (Small or
2.2.1.	cord disease and trauma.	medium-scale focused research
		project)
221	HEALTH-2007-2.2.1-6: Neuron-glia interactions in health and	Collaborative project (Small or
2.2.1.	disease.	medium-scale focused research
22211		project)
2.2.2. Human devel		lanı :
2.2.2.	HEALTH-2007-2.2.2-1: Novel approaches to reconstitute normal	Collaborative project (Large-
	immune function at old age.	scale integrating project)
2.2.2.	HEALTH-2007-2.2.2-2: Termination of developmental processes	Collaborative project (Large-
	and their reactivation in adult life.	scale integrating project)
2.2.2.	HEALTH-2007-2.2.2-3: Biomarkers of ageing.	Collaborative project (Large-
<u> </u>		scale integrating project)
2.2.2	HEALTH-2007-2.2.2-4: Increasing the participation of elderly in	Coordination and support
2.2.2.	clinical trials.	action (Coordination or support
		action)
222	HEALTH-2007-2.2.2-5: Research on human development and/or	Coordination and support
2.2.2.	healthy ageing across the EU	action (Coordination or support action)
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2.3 TRANSLATION	JAL RESEARCH IN MAJOR INFECTIOUS DISEASES: TO CONFR	ONT MAJOR THREATS TO		
PUBLIC HEALTH				
	drug resistance including fungal pathogens			
2.3.2. HIV/AIDS, ma	llaria and tuberculosis			
2.3.2.	HEALTH-2007-2.3.2-1: HIV/AIDS Drug Discovery and Preclinical Development.	Collaborative project (Small or medium-scale focused research project)		
2.3.2.	HEALTH-2007-2.3.2-2: Highly innovative approaches for research into host-pathogen interaction in tuberculosis.	Collaborative project (Small or medium-scale focused research project)		
2.3.2.	HEALTH-2007-2.3.2-3: Development of fast tests for the diagnosis of Multi-Drug-Resistant strains of HIV, malaria and tuberculosis and of latent tuberculosis infection (LTBI).	Collaborative project (Small or medium-scale focused research project)		
2.3.2.	HEALTH-2007-2.3.2-4: Addressing knowledge gaps in pregnancy malaria.	Collaborative project (Small or medium-scale focused research project)		
2.3.2.	HEALTH-2007-2.3.2-5: Paediatric formulations of drugs against HIV/AIDS, malaria and tuberculosis.	Coordination and support action (Coordination or support action)		
2.3.2.	HEALTH-2007-2.3.2-6: New HIV Vaccines inducing broadly- reactive neutralising antibodies.	Collaborative project (Large- scale integrating project)		
2.3.3. Potentially new	and re-emerging epidemics			
2.3.3.	HEALTH-2007-2.3.3-1: Development of broadly protective influenza vaccine candidates.	Collaborative project (Small or medium-scale focused research project)		
2.3.3.	HEALTH-2007-2.3.3-2: Identifying immunological mechanisms of protection for influenza vaccines.	Collaborative project (Small or medium-scale focused research project)		
2.3.3.	HEALTH-2007-2.3.3-3: Standardisation of immunological assays including surrogate markers for evaluation of new influenza vaccines in clinical trials.	Coordination and support action (Coordination or support action)		
2.3.3.	HEALTH-2007-2.3.3-4: Innovative point-of-care diagnostic tests for influenza.	Collaborative project (Small or medium-scale focused research project targeted to SMEs)		
2.3.3.	HEALTH-2007-2.3.3-5: Development of additional treatment strategies for patients suffering from highly pathogenic influenza.	Collaborative project (Small or medium-scale focused research project)		
2.3.3.	HEALTH-2007-2.3.3-6: Development of pandemic influenza containment and mitigation strategies.	Collaborative project (Small or medium-scale focused research project)		
2.3.3.	HEALTH-2007-2.3.3-7: Supporting highly innovative inter-disciplinary research on influenza.	Collaborative project (Small or medium-scale focused research project)		
2.3.3.	HEALTH-2007-2.3.3-8: Influenza research in collaboration with Asian partners.	SICA: Collaborative project (Small or medium-scale focused research project)		
2.3.4. Neglected infec				
	VAL RESEARCH IN OTHER MAJOR DISEASES			
2.4.1. Cancer	HEATTH 2007 2 41 1 7 1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	To #1		
2.4.1.	HEALTH-2007-2.4.1-1: Translating the knowledge on non- coding RNAs linked to the aetiology of cancer into novel diagnosis and therapy strategies.	Collaborative project (Small or medium-scale focused research project)		
2.4.1.	HEALTH-2007-2.4.1-2: Translating clinical 'omics'-technology (genomics, proteomics, metabolomics) into innovative cancer biomarkers aiding in early diagnosis, prognosis and treatment selection of cancer patients.	Collaborative project (Small or medium-scale focused research project)		
2.4.1.	HEALTH-2007-2.4.1-3: Genomic instability and genomic alterations in pre-cancerous lesions and/or cancer.	Collaborative project (Small or medium-scale focused research project)		
2.4.1.	HEALTH-2007-2.4.1-4: Novel cancer screening methods.	Collaborative project (Small or medium-scale focused research project)		
2.4.1.	HEALTH-2007-2.4.1-5: Optimising research on end of life care of cancer patients.	Coordination and support action (Coordination action)		
1 manual (coordination metron)				

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2.4.1.	HEALTH-2007-2.4.1-6: Understanding and fighting metastasis.	Collaborative project (Small or medium-scale focused research project)
2.4.1.	HEALTH-2007-2.4.1-7: Improving targeted drug delivery to cancer cells for cancer therapeutics other than gene therapy.	Collaborative project (Small or medium-scale focused research project)
2.4.1.	HEALTH-2007-2.4.1-8: Developing high-throughput bioassays and models for human cancers in lower species.	Collaborative project (Small or medium-scale focused research project)
2.4.2. Cardiovascula	ır disease	projecty
2.4.2.	HEALTH-2007-2.4.2-1: Molecular basis of the inflammatory	Collaborative project (Large-
2.4.2.	response and associated vascular remodelling in arteriosclerosis.	scale integrating project)
2.4.2.	HEALTH-2007-2.4.2-2: Vascular remodelling in aneurysmal disease.	Collaborative project (Large- scale integrating project)
2.4.2.	HEALTH-2007-2.4.2-3: Combating stroke.	Collaborative project (Large- scale integrating project)
2.4.3. Diabetes and o	besity	
2.4.3.	HEALTH-2007-2.4.3-1: Early processes in the pathogenesis of type 1 diabetes and strategies for early prevention.	Collaborative project (Small or medium-scale focused research project)
2.4.3.	HEALTH-2007-2.4.3-2: Combined forms of diabetes in children.	Collaborative project (Small or medium-scale focused research project)
2.4.3.	HEALTH-2007-2.4.3-3: Insulin resistance as a key factor in the development of diabetes and metabolic syndrome.	Collaborative project (Small or medium-scale focused research project)
2.4.3.	HEALTH-2007-2.4.3-4: Pathophysiological mechanisms related to excess fat.	Collaborative project (Small or medium-scale focused research project)
2.4.3.	HEALTH-2007-2.4.3-5: A road-map for diabetes research.	Coordination and support action (Coordination or support action)
2.4.4. Rare diseases		/
2.4.4.	HEALTH-2007-2.4.4-1: Natural course and pathophysiology of rare diseases.	Collaborative project (Small or medium-scale focused research project)
2.4.4.	HEALTH-2007-2.4.4-2: Research capacity-building in the field of rare diseases.	Coordination and support action (Coordination or support action)
2.4.5. Other chronic of	diseases	/
2.4.5.	HEALTH-2007-2.4.5-1: Osteoarthritis.	Collaborative project (Large- scale integrating project)
2.4.5.	HEALTH-2007-2.4.5-2: Inflammatory bowel disease.	Collaborative project (Small or medium-scale focused research project)
2.4.5.	HEALTH-2007-2.4.5-3: Osteoporosis: signalling pathways in bone formation and homeostasis.	Collaborative project (Small or medium-scale focused research project)
2.4.5.	HEALTH-2007-2.4.5-4: Genetic factors of Osteoporosis.	Collaborative project (Small or medium-scale focused research project)
2.4.5.	HEALTH-2007-2.4.5-5: Intervertebral disc degeneration: prevention and repair.	Collaborative project (Small or medium-scale focused research project)
2.4.5.	HEALTH-2007-2.4.5-6: Innovative concepts in chronic obstructive pulmonary disease pathogenesis (COPD).	Collaborative project (Small or medium-scale focused research project)
2.4.5.	HEALTH-2007-2.4.5-7: Hearing impairment and degeneration.	Coordination and support action (Coordination or support action)
2.4.5.	HEALTH-2007-2.4.5-8: Impairment of touch and proprioception at old age.	Coordination and support action (Coordination or support action)
2.4.5.	HEALTH-2007-2.4.5-9: Visual impairment and degeneration.	Coordination and support action (Coordination or support action)

4 OTHER ACTIONS	A CD OOG THE HEAT THE THEME	
	ACROSS THE HEALTH THEME	
4.1. COORDINATIO	N AND SUPPORT ACTIONS ACROSS THE THEME	.
4.1.	HEALTH-2007-4.1-1: Reinforcing the network of National Contact Points (NCP) for the Seventh Framework Programme under Health Theme by promoting trans-national co-operation.	Coordination and support action (Coordination or support action)
4.1.	HEALTH-2007-4.1-2: Promoting participation of high- technology research intensive SMEs, operating in the biomedical engineering and other medical technology sectors relevant to Health Theme.	
4.1.	HEALTH-2007-4.1-3: Assessment and valorisation of project outcome for high-technology and research intensive SME participating to Framework Programmes of Research in the healthcare sector.	Coordination and support action (Support action)
4.1.	HEALTH-2007-4.1-4: Identifying patients' needs in the clinical trials context.	Coordination and support action (Coordination or support action)
4.1.	HEALTH-2007-4.1-5: Science communication actions.	Coordination and support action (Support action)
4.1.	HEALTH-2007-4.1-6: Initiatives to foster dialogue and debate on heath research issues of interest to the public.	Coordination and support action (Support action)
4.1.	HEALTH-2007-4.1-7: Studies on impact of EU legislations on health research and related developments and applications.	Coordination and support action (Support action)
4.2. RESPONDING T	O EU POLICY NEEDS	·
4.2.	HEALTH-2007-4.2-3: Research to assess the economic dimension of occupational health and safety.	Coordination and support action (Support action)
4.2.	HEALTH-2007-4.2-4: Health statistics and rare events.	Collaborative project (Small or medium-scale focused research project)

• Evaluation procedure:

- The general eligibility criteria are set out in Annex 2 to this work programme.
- A one-stage submission procedure will be followed.
- Proposals may be evaluated remotely.
- The evaluation criteria (including weights and thresholds) and subcriteria, together with the eligibility, selection and award criteria, for the different funding schemes are set out in Annex 2 to this work programme.
- Indicative evaluation and contractual timetable:
 - Evaluations are expected to be carried out during the months May-July 2007. It is expected that the contract negotiations for the shortlisted proposals will be opened in July/August.
- Consortium agreements: Participants in Large-scale integrating projects are required to conclude a consortium agreement.
- Particular requirements for participation, evaluation and implementation:

It is important to note that the following funding thresholds will be applied as eligibility criteria and that the proposals which do not respect these limits will be considered as ineligible:

- Small or medium-scale focused research projects: the requested EC contribution shall not exceed € 3 million unless otherwise indicated in the topic description.
- Large-scale integrating projects: the requested EC contribution shall be over € 6 million and not exceed € 12 million unless otherwise indicated in the topic description.

The minimum number of participating legal entities required, for all funding schemes, is set out in the Rules for Participation and presented in relevant parts below.

Funding scheme	Minimum conditions
Collaborative project	At least 3 independent legal entities, each of which is established in a MS or AC, and no two of which are established in the same MS or AC.
Collaborative project for specific cooperation actions dedicated to international cooperation partner countries (SICA)	At least 4 independent legal entities. Of these, 2 must be established in different MS or AC. The other two must be established in different international cooperation partner countries
Co-ordination and support action (coordination action)	At least 3 independent legal entities, each of which is established in a MS or AC, and no two of which are established in the same MS or AC.
Co-ordination and support action (support action)	At least 1 independent legal entity
Research for the benefit of specific groups, such as SMEs	At least 3 independent legal entities, each of which is established in a MS or AC, and no two of which are established in the same MS or AC.

For Small or medium-scale focused research projects targeted to SMEs all consortia should aim at having 40 % of the requested EC contribution budget going to SMEs.

• The forms of grant and maximum reimbursement rates which will be offered are specified in Annex 3 to the Cooperation work programme.