



Translating research for human health –

Research on the brain and related diseases, human development and ageing

Brain and brain related diseases

The objectives are to better understand the integrated structure and dynamics of the brain, and to study brain diseases including relevant age related illness (e.g. dementia, Parkinson's disease) and search new therapies. The focus will be to gain a global understanding of the brain by exploring brain functions, from molecules to cognition including neuroinformatics, and brain dysfunction, from synaptic impairment to neurodegeneration. Research will address neurological and psychiatric diseases and disorders, including regenerative and restorative therapeutic approaches.

Topics for first call – *Deadline 19 April 2007*

- Stroke and mechanisms underlying ischemic brain damage

Funding scheme: Collaborative projects (large scale integrating projects)

- Coding in neuronal assemblies
- Neurobiology of anxiety disorders
- Memory loss: underlying mechanisms and therapy
- From basic spinal mechanisms to spinal cord disease and trauma
- Neuron-glia interactions in health and disease
- Restorative approaches for therapy of neurodegenerative diseases
- From mood disorders to experimental models
- Neuronal mechanisms of vision and related diseases

Funding scheme: Collaborative projects (small or medium-scale focused research projects)

Topics for second call – *Deadline 18 September 2007*

- Restorative approaches for therapy of neurodegenerative diseases

Funding scheme: Collaborative Projects (small or medium-scale focused research projects with maximum contribution of €6.000.000/project)

- From mood disorders to experimental models
- Funding scheme: Collaborative projects (large scale integrating projects)*

- Neuronal mechanisms of vision and related diseases

Funding scheme: Collaborative Projects (small or medium-scale focused research projects)

Topics for Specific International Cooperation Action (SICA) – *Deadline 18 September 2007*

- Childhood and adolescent mental disorders

Funding scheme: Collaborative Projects (small or medium-scale focused research projects)

CONTACT

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Human development and ageing

The main objective of this area is to use a wide variety of methodologies and tools to better understand the process of life-long development and healthy ageing. The focus will be on human and model systems, including interactions with factors such as environment, genetics, behavior and gender.

Topics for first Call – *Deadline 19 April 2007*

- Novel approaches to reconstitute normal immune function at old age
Funding scheme: Collaborative projects (large scale integrating projects)
- Termination of developmental processes and their reactivation in adult life
Funding scheme: Collaborative projects (large scale integrating projects)
- Biomarkers of ageing
Funding scheme: Collaborative projects (large scale integrating projects)
- Increasing the participation of elderly in clinical trials
- Research on human development and/or healthy ageing across the EU
Funding scheme: Coordination and Support action

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