The HBP Calls for Expression of Interest for SGA3
"Data and models for studying the neural basis of cognition"

Call Text

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More information:	info@opencalls.humanbrainproject.eu

This Call for Expression of Interest (CEoI) is meant to attract leading organisations interested in gathering data which inform the neural basis of cognition, and in data-driven modelling of cognitive processes.

This Call targets both acquisition and analysis of experimental data and multi-scale modelling, which are required to integrate models into the overall backbone modelling structure in SGA3. The call is intended for (i) adding new modules mediating specific cognitive functions (see below), and (ii) collecting data, including multi-area and multi-scale data from humans, nonhuman primates and/or rodents gathered during the execution of cognitive and behavioural tasks.

The **focus of this Call** is on cognitive and systems neuroscience studies that are complementary to ongoing work in the core Consortium, specifically on:

(i)   prefrontal cortex-dependent capacities such as working memory, action selection, planning and related executive functions

(ii)   semantic processing and semantic memory, associated with temporal lobe structures

(iii)   behavioural sequencing, spatial navigation and spatial imagery