



The Human Brain Project (HBP) FET Flagship Call for Expressions of Interest (CEoI) on "Systems and Cognitive Neuroscience"

Call publication date:	15 May 2015
Proposal Submission Deadline:	3 July 2015 at 17:00 CET
Total Budget of new SP (EU funding under HBP SGA1):	Projects selected will form a new Subproject 3 (Systems & Cognitive Neuroscience) in the SGA1 period. The HBP plans to allocate EUR 8.9 million EUR of SGA1 funding to the new SP3 (EUR 8 million for 4 research Proposals/Work Packages & EUR 0.9 million for Coordination).
More information	www.humanbrainproject.eu/web/public/call-eoi
Proposal submission	www.humanbrainproject.eu/web/public/call-eoi

- Proposals must be submitted by Groups of Partners consisting of 3-5 major research laboratories established in at least two different EU Member States or H2020 Associated Countries.
- This Call forms an integral part of the HBP's SGA1¹ funding proposal - it does not have its own standalone budget. Selected applicants will become part of the HBP's Subproject 3: Systems and Cognitive Neuroscience, and will form part of the HBP Consortium's application for SGA1 funding. Within the application, the planned budget for SP3 is EUR 8.9 million, although this may be modified by the Commission during negotiations after submission of the application. The requested funding for each EoI Proposal should not exceed EUR 2 million per Proposal.
- 4 Groups of Partners will be selected for funding. Upon selection, the Partners will all become full Members of the HBP Consortium.
- The project duration should be 2 years (1 April 2016 to 31 March 2018). Continuation of SP3's work beyond these two years (e.g. into SGA2) is envisaged.
- The selected Projects should contribute to the aims of the HBP, addressing a cognitive function in "Systems and Cognitive Neuroscience", and thereby link the existing HBP Subprojects (see <https://www.humanbrainproject.eu/>) by addressing ambitious cognitive and systems neuroscience questions. The Projects selected through this CEoI are expected to play an exemplary role within HBP: they would constitute the first examples of actual use of the HBP ICT Platforms and of their integration into the HBP Neuroscience Subprojects. Proposed activities should include highly innovative scientific knowledge, concepts and models that bring the field closer to the solution of a concrete and important problem in cognitive and systems neuroscience, in an interdisciplinary research approach.
- In particular, the research theme you propose should reflect as many of the following HBP crosscutting requirements as possible:
 - Have the capacity to bridge from basic anatomy & physiology to mapping and cognition, as well as theory and modelling;
 - Provide the capacity to interact with (use and/or feed) the HBP Platforms (at least 2 Platforms should be addressed) including specification of data and/or tools, which are accessible to the scientific community through the HBP Platforms;
 - Include two or more spatial and/or temporal scales;
 - Demonstrate the capacity to provide actual simulation models; include research work on disease models related to the cognitive function you will study; and
 - As far as possible, have potential for real-world applications (e.g. in software, atlas, robotics, neuromorphic computing, drug design, etc.).

¹ The HBP will submit its proposal for the first Specific Grant Agreement (SGA1) under Horizon 2020, covering from April 2016 until March 2018, to the European Commission in Autumn 2015, including EUR 8.9 million for the Systems and Cognitive Neuroscience work covered by this EoI Call. EC approval is expected in early 2016.