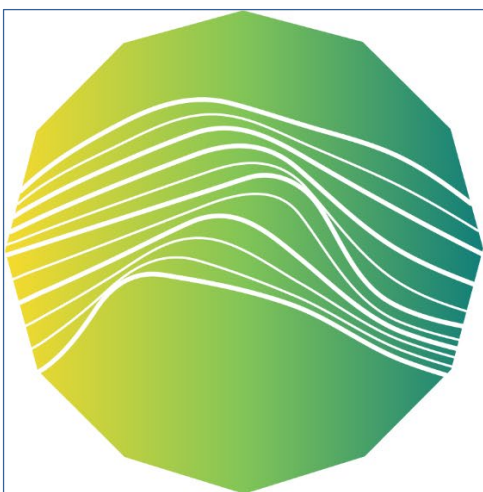


*The HBP SGA3 Calls for Expression of Interest
“COVID-19 and its impact on the brain and mental health”*

Call Text



Human Brain Project



EBRAINS

Project Number:	945539	Project Title:	Human Brain Project SGA3
Document Title:	HBP CEoI for SGA3 - COVID-19 and its impact on the brain and mental health - Call Text		
Document Filename:	HBP SGA3 CEoI - COVID Call Text.docx		
Dissemination Level:	PU=Public		
Abstract:	Calls for Expression of Interest for SGA3, Call Text		
Keywords:	COVID-19, SARS-CoV-2, Coronavirus, Modelling, Simulation, Mental health, drug design, neurological symptoms, psychiatric symptoms, brain structure and function, vaccines, Prophylaxis, long-term effects		
Target Users/Readers:	Applicants, all interested		
Call Publication Date:	19 March 2021		
Proposal Submission Deadline:	30 April 2021 17:00 Brussels time		
Proposal submission online platform	HBP Open Call Platform¹		
Total Call Budget:	EUR 450,000 Direct Costs. Maximum funding per proposal: EUR 225,000 (PLUS 25% Indirect Costs), two proposals will be selected.		
More information:	info@opencalls.humanbrainproject.eu		

¹ <https://opencalls2.humanbrainproject.eu/call/id/88>

With this open Call, the [HBP](#)² and [EBRAINS](#)³ aim to support COVID-19 research, in particular in the field of COVID-19-related brain-disorders and mental health issues, by building on the strengths of EBRAINS. The successful applicant(s), that would become HBP Partner(s), will contribute, in close collaboration with already existing [HBP Partners](#)⁴, to the [HBP project mission](#)⁵, complement expertise already present in the HBP, and use a portfolio of tools and services provided by EBRAINS to conduct the proposed work.

Research topics include:

- COVID-19 research activities that are linked to and supplement HBP/EBRAINS and other activities at European or national level in this research field, e.g. funded by [Horizon Europe](#)⁶, to create synergy and increase impact through including the EBRAINS Research Infrastructure.
- Longitudinal and cross-sectional analyses of patients suffering from neurological and/or psychiatric symptoms after infection with COVID-19, e.g. based on existing large cohorts
- Exploration of changes in brain structure and function in patients that have undergone COVID-19, e.g. targeting brain mechanisms underlying olfaction, memory, fatigue, depression
- Disease mechanisms and genotype-phenotype relationships as far as they concern the brain
- Short- and middle term effects of COVID-19 and related changes on mental health and brain health, e.g. related to age and demographic factors
- Development of mathematical brain models of patients and subjects affected by COVID-19
- Modelling and simulation of COVID-19 disease scenarios using EBRAINS
- Identification, modelling and simulation of drug candidates using EBRAINS
- Research on middle and long-term effects of COVID-19 vaccines on the brain and mental health
- Developing and testing strategies for prophylaxis, based on EBRAINS

² <https://www.humanbrainproject.eu/en/>

³ <https://ebrains.eu/>

⁴ <https://www.humanbrainproject.eu/en/open-ethical-engaged/contributors/partners/>

⁵ <https://www.humanbrainproject.eu/en/science/vision-mission/>

⁶ <https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/covid-19>