

Call Text: Scientific lead for HBP Curriculum Workshops 2020/21

Through this Call for Expressions of Interest (CEoI), the HBP Education Programme is looking to identify the Scientific Chairs (from within and outside the HBP) to take over the scientific lead of HBP Curriculum Workshops in 2020/21. In total, between 3 and 6 proposals will be selected for winter (October-March) 2020/21 and summer term (April-July) 2021.

The Human Brain Project

The Human Brain Project (HBP, <https://www.humanbrainproject.eu/>) is an ambitious 10-year research initiative, and part of the EU FET Flagship programme. The Project's unique goal is to interconnect computer science, medicine and neuroscience to accelerate the understanding of the human brain and its diseases, and to harness that knowledge to the benefit of society. To achieve this, the Project has built EBRAINS (<http://ebrains.eu>) - the world's first integrated ICT infrastructure for brain research and development, offering growing capabilities in neuroinformatics, brain simulation, medical informatics, neuromorphic computing and neurorobotics, underpinned by high-performance analytics and computing.

The HBP Education Programme

The HBP Education Programme¹ is an interdisciplinary teaching programme offering innovative training formats for early-career researchers working in and between the fields of neuroscience, ICT, and medicine. The programme especially targets advanced Master students, PhD students and early post-doctoral researchers. It currently comprises various formats:

- HBP Curriculum: A combination of distance learning courses and complementary face-to-face workshops
- HBP Schools: Advanced trainings that provide in-depth lectures and tutorials
- HBP Student Conferences: A platform for collaboration and scientific exchange between early-career scientists
- HBP Infrastructure Training events: Hands-on training in the use of the various services and tools offered by the HBP
- Young Researchers Events: Introductory format to introduce participants to the Research Infrastructure offered and developed by the HBP
- HBP Education Programme E-Library: Educational video material publicly available

HBP Curriculum

The HBP Education Programme has developed a distance learning course programme: the HBP Curriculum - Interdisciplinary Brain Science. The courses aim to address students outside their area of specialisation (e.g. neuroscience for computer scientists). This is complemented by offering teaching in transversal competencies relevant to the Project's goals, such as research ethics, broader ethical issues raised by scientific research, IPR management or legal and organisational solutions for exploiting project results. Each course is completed by a short face-to-face workshop as a supplement to the respective online course.

¹ <https://humanbrainproject.eu/education>

The workshop themes should be related to one or several of the six online courses offered by the HBP Education Programme and should discuss their contents on an advanced basic level, considering that the audience comes from different scientific backgrounds and different levels of education (Master, PhD, early post-docs). The online courses currently offered are:

- ICT for non-specialists
- Cognitive systems for non-specialists
- Brain medicine for non-specialists
- Neurobiology for non-specialists
- Research ethics & societal impact
- IPR, translation and exploitation of research

An interdisciplinary workshop theme and programme that touches multiple topics of the online courses is encouraged.

Already established or planned workshops can be combined with a Human Brain Project Curriculum Workshop, if the content is related to the subjects of the HBP Curriculum online courses.

At least one workshop per topic will be held in 2020/21. Any date in October-March/April-July 2020/21 can be suggested for a workshop.