FIRST HBP CURRICULUM WORKSHOP SERIES
RESEARCH, ETHICS AND SOCIETAL IMPACT
RESPONSIBLE RESEARCH: HOW TO DEAL WITH ANIMALS
AND ICT IN SCIENCE - AN ETHICAL APPROACH

10-12 July 2017
Karolinska Institutet, Stockholm, Sweden

Scientific Programme

This Workshop aims to provide the participants with insights on ethical aspects of the use of ICT and animals in science and research. Designated discussion rounds will provide the possibility for participants to interact with faculty and deepen the understanding of the topics addressed.

This workshop is open to the whole student community and early post-docs upon application. Applications from young female investigators are highly encouraged.

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For more information visit:
https://education.humanbrainproject.eu/web/1st-hbp-curriculum-ethics
EVENT ANNOUNCEMENT
For more information visit:
https://education.humanbrainproject.eu/web/hbp-education-portal/educational-events

YOUNG RESEARCHERS EVENT | INTEGRATING NEUROSCIENCE DATA INTO MODELS AND SIMULATIONS

12-13 September 2017 | Campus Biotech, Geneva, Switzerland
PROJECT SUBMISSION DEADLINE: 18 July 2017
REGISTRATION DEADLINE: 16 August 2017

This year’s theme is integrating neuroscience data into models and simulations. As a participant, you have the opportunity to learn about the Information & Communication Technology Infrastructure offered and developed by the HBP, and learn how to use it for your own research. You can also meet other researchers with similar interests, work in small groups and get support on your project from the HBP Platform experts. The event is targeted towards young researchers (Master and PhD students as well as early postdocs) both from within and outside the HBP.

5TH HBP SCHOOL | FUTURE MEDICINE

27 November - 3 December 2017 | Obergurgl University Center, Austria
APPLICATION DEADLINE: 4 September 2017

The availability of clinical, genomic, proteomic and neuroimaging data sets combined with recent advances in ICT, data mining and computational modelling makes it possible to uncover unique biological signatures of disease from multi-level descriptions of the brain. Medicine of the future will capitalise on these biological signatures of diseases for faster diagnosis, more accurate prognosis and leverage the discovery of mechanistic pathways for new types of drugs, novel treatments and ultimately personalised medicine. The programme of the 5th HBP School combines lectures and practical sessions. In small groups, students will be working on a week-long project. Throughout the school, participants are encouraged to introduce new ideas and suggest original experimental techniques. Speakers will be available throughout the week to go into details of concepts, provide deeper insights, answer questions or help with specific group requests.

2ND HBP STUDENT CONFERENCE

14-16 February 2018 | Ljubljana, Slovenia
ABSTRACT SUBMISSION DEADLINE: 11 October 2017
REGIST. DEADLINE: 31 January 2018

The 2nd HBP Student Conference provides an open forum for exchange of new ideas among young researchers working across various aspects of neuroscience, brain medicine and computer science relevant to the Human Brain Project. The scope of the conference offers a plethora of opportunities for extensive scientific discussions, both intra- and interdisciplinary, among peers and faculty, through a variety of discussion sessions, lectures and social events.

1ST HBP CURRICULUM WORKSHOP SERIES | COGNITIVE SYSTEMS WORKSHOP

13-15 March 2018 | Technical University of Munich, Germany
APPLICATION DEADLINE: 17 January 2018

Cognitive systems are devices that are designed to mimic cognitive skills of higher developed biological organisms at varying levels of complexity and performance. Models of these skills can be either abstract functional descriptions from the vast field of cognitive science or detailed simulations of brain circuits from neuroscience. Novel hardware designs and the steadily increasing availability of cheap computing resources have recently yielded remarkable results especially with the latter models. The goal of this course is to provide a definitive introduction to the theory of cognitive systems. Drawing from advances in brain research, the topic is approached from a computational-neuroscientific perspective rather than an abstract-psychological one, bridging the gap between the physical structure of the brain and the logical organization of its cognitive capabilities. Special focus is put on the role of robotics as a means to ground cognitive function in bodies that physically interact within different types of environments.
Final programme schedule

Monday, 10 July
08:30 - 09:00
Registration and Coffee
09:00 - 09:15
Introduction
Abdul Mohammed (KI/LNU)
09:15 - 10:15
Ethical concerns related to ICT
Christine Mitchell (HU)
10:15 - 11:30
Ethical aspects of using computerized cognitive tests in patients and healthy individuals
Rosemary Abbott (CamCog)
11:30 - 12:00
Discussion
12:00 - 13:30
Lunch
13:30 - 15:30
Team Based Learning - Group Work: Social, Ethical and Legal Responsibilities of Life Scientists
Malcolm Dando (UoB)
Simon Whitby (UoB)
15:30 - 16:00
Coffee Break
16:00 - 17:00
Team Based Learning - Group Work: continued
Malcolm Dando (UoB)
Simon Whitby (UoB)
17:00 - 18:00
Responsible conduct in the global neuroscience enterprise
Malcolm Dando (UoB)
18:00 - 20:00
Social evening

Tuesday, 11 July
09:00 - 10:00
ICT as ethical competence
Iordanis Kavathatzopoulos (UU)
10:00 - 10:30
Coffee Break
10:30 - 11:30
The Thinking Robot
Alan Winfield (UWE)
11:30 - 12:00
Discussion
12:00 - 13:30
Lunch
13:30 - 14:30
The infrastructure and use of experimental animals at KI
Brun Ulfhake (KI)
14:30 - 16:00
Lab visit - Animal departments at Karolinska Institutet
Viveka Hillegaart (KI)
16:30 - 17:30
The consequences of genetic variation in laboratory animals
Björn Rozell (KI)
17:00 - 18:00
Ethics in biomedical research and the 3Rs
Viveka Hillegaart (KI)
18:00 - 20:00
Societal Attitudes to Animal Research
Rafael Frias (KI)
19:00 - 20:00
Discussion

Wednesday, 12 July
09:00 - 10:00
Public engagement in and on research
Lise Bitsch (DBT)
10:00 - 11:30
Lab visit - INCF
Introduction to INCF
Helena Ledmyr (INCF)
Demonstration of INCF services
Mathew Abrams (INCF)
11:30 - 12:30
Research Integrity and Ethics Management - HBP Case Study
Emma Harris (DMU)
12:30 - 14:00
Open discussion round with coffee
17:30 - 18:30
Ethics in biomedical research and the 3Rs
Viveka Hillegaart (KI)
18:30 - 19:00
Societal Attitudes to Animal Research
Rafael Frias (KI)
19:00 - 20:00
Discussion

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