



Human Brain Project
Education Programme

2ND HBP CURRICULUM WORKSHOP SERIES
RESEARCH, ETHICS AND SOCIETAL IMPACT
DUAL USE AND RESPONSIBLE RESEARCH:
ETHICAL CHALLENGES

15-17 NOVEMBER 2018
KAROLINSKA INSTITUTET, STOCKHOLM

APPLICATION DEADLINE:
4 OCTOBER 2018



@hbp_education



@hbpeducation



HBP Education



HBP Education Programme



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

WORKSHOP INFORMATION

This workshop aims to provide participants with insights on ethical aspects of dual-use research in neuroscience and Responsible Research and Innovation (RRI). Lectures will be given by some of the world's leading experts on dual use in neuroscience research, and by active researchers on RRI. The topics covered will include the chemistry of the brain and dual action of drugs, novel incapacitants, ethics awareness and engagement and RRI. An important ingredient of the workshop is the use of team-based learning techniques.

Application information

Application is open to the entire student community and early career researchers, regardless of whether they are affiliated with the Human Brain Project or not.

We encourage all young scientists to apply and aim at equal representation of all sexes.

A maximum of 30 participants will be selected by the Scientific Chair and the HBP Education Programme in a competitive selection process based on academic merit. Participants are required to submit an abstract on their current research, a CV and a motivation letter with their application.

Application deadline: **4 October 2018**

Participation fee: 250 €

The fee does not include travel and accommodation. Fees will be collected after participants have been selected.

Registration fee waivers are available for a maximum of five participants. Participants can apply for fee waivers prior to the application deadline by sending an email to curriculum.edu@humanbrainproject.eu.

Scientific Chairs:

Abdul K. Mohammed | Karolinska Institutet/Linnaeus University

Manuel Guerrero | Karolinska Institutet

Alreen Salles | Uppsala University

Organisers:

Lisa-Marie Leichter | Medical University Innsbruck

Stefan Mittermayr | Medical University Innsbruck

Contact:

curriculum.edu@humanbrainproject.eu

Further information and application:

<http://bit.ly/2l2pGwP>



**Karolinska
Institutet**



UPPSALA
UNIVERSITET



MEDIZINISCHE
UNIVERSITÄT
INNSBRUCK



Human Brain Project

Linnaeus University 

Co-funded by
the European Union



PRELIMINARY SCIENTIFIC PROGRAMME

Thursday 15 November 2018:

Introduction | 15 min

Abdul K. Mohammed (Karolinska Institutet/Linnaeus University)

The chemistry of the brain and the dual action of drugs | 60 min

Jean-Pierre Changeux (Collège de France and Institut Pasteur)

Dual-use brain science: Realistic capabilities; critical concerns | 45 min

James Giordano (Georgetown University Medical Center)

Dual-use neuroscience, novel incapacitants and the 2018 review conference of the Chemical Weapons Convention | 45 min

Malcolm Dando (University of Bradford)

Beyond dual use: Exploring the limits of dual use as a guiding concept for ethical research | 60 min

tbd

Responsible Research and Innovation in ICT | 60 min

Bernd Stahl (De Montfort University)

Responsible Research and Innovation: The role of public engagement | 60 min

Simisola Akintoye (De Montfort University)

Round table: Dual use and Responsible Research and Innovation | 90 min

J.P. Changeux, J. Giordano, M. Dando, B. Stahl, S. Akintoye, L. Bitsch



Friday 16 November 2018:

Responsible Artificial Intelligence: Ethics, governance and policy | 60 min
[Inga Ulnicane-Ozolina \(De Montfort University\)](#)

Ethics awareness and engagement: The impact of video games | 60 min
[Tyr Fothergill \(De Montfort University\)](#)

Discussion | 30 min

Cognition, plasticity and ethics | 60 min
[Sebastian Porsdam-Mann \(Harvard Medical School\)](#)

Team-based learning (TBL) on dual use | 60 min
[Malcolm Dando \(University of Bradford\)](#)
[Simon Whitby \(University of Bradford\)](#)

TBL continued | 60 min
[Malcolm Dando \(University of Bradford\)](#)
[Simon Whitby \(University of Bradford\)](#)

Discussion | 30 min

Data use and ethical issues in HBP | 60 min
[Manuel Guerrero \(Karolinska Institutet\)](#)

Poster session | 120 min

Saturday 17 November 2018:

TBL continued | 90 min

Malcolm Dando (University of Bradford)

Simon Whitby (University of Bradford)

Open discussion round | 90 min

ECTS information

Participants have the possibility of taking an exam related to the online content of the HBP Curriculum online courses. Upon successful completion, up to **10 ECTS credits** can be awarded. The credits are awarded by the Medical University of Innsbruck / Austria (MUI). Further info on how to receive ECTS credits: <https://education.humanbrainproject.eu/web/hbp-education-portal/hbp-curriculum>

Poster session

A poster session is organised during the workshop. If you want to present your research in the poster session, please submit an abstract with your application.





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