



Human Brain Project
Education Programme

3RD HBP CURRICULUM WORKSHOP SERIES
SAME, SAME OR DIFFERENT?
NEUROSCIENCE, ROBOTICS, AI
AND MEDICAL INFORMATICS:
NEW INSIGHTS WITH DIVERSITY & ETHICS

26-27 SEPTEMBER 2019
GRAZ UNIVERSITY OF
TECHNOLOGY, AUSTRIA

APPLICATION DEADLINE:
19 AUGUST 2019

APPLICATION DEADLINE
EXTENDED UNTIL
2 SEPTEMBER 2019!



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WORKSHOP INFORMATION

In this 2-day workshop, scientists from neuroscience, robotics, AI and medical informatics will provide you with insights on how they consider variables such as sex, gender, age etc. as well as ethics in their concepts and practical applications.

This workshop addresses researchers and students who want to share experiences and gain innovative insights from cross-science perspectives and learning useful tools for diversity and ethics in research.

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.

A maximum of 30 participants will be selected by the Scientific Chair and the HBP Education Programme. It is aimed to offer equal opportunities for all early-career researchers regardless of gender, age, origin, etc. Applicants are required to submit a CV and a motivation letter with their application.

Application deadline: **19 August 2019**

Participation fee: 250 €

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

As part of the cooperation with the Technical University Graz, a discounted fee will be granted to students/members of TU Graz. A limited number of fee waivers are available for participants who submit an abstract for poster presentation. Participants can apply for fee waivers prior to the application deadline by sending an email to curriculum.edu@humanbrainproject.eu.

Scientific Chair:

Karin Grasenick | convelop cooperative knowledge design gmbh

Organisers:

Sylvia Aßlaber | Medical University Innsbruck
Judith Kathrein | Medical University Innsbruck
Laura Saxer | Medical University Innsbruck



Human Brain Project



Contact:

curriculum.edu@humanbrainproject.eu

Further information and application:

<http://bit.ly/HBP-Ethics2019>

supported by:



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PRELIMINARY SCIENTIFIC PROGRAMME

This programme may be subject to change.

Thursday 26 September 2019

Welcome address and introduction to the Institute of Theoretical Computer Science | 45 min

Robert Legenstein (University of Technology Graz)

Robot stereotypes - What you see is not what you get | 60 min

Benedikt Feldotto (Technical University of Munich)

The role of gender in the multimodal characterisation of biological substrates of personality traits | 60 min

Alessandra Nostro (Netherlands Institute for Neuroscience)

Personalised whole-brain models: Capturing the human diversity in medical treatment and research | 60 min

Jan Fousek (Aix-Marseille University)

Data protection and data ethics: Balancing Big Data and data driven research | 60 min

Simisola Akintoye and William Knight (De Montfort University)

Open dialogue: Explore consequences of possible biases and RRI responses in your field of research together with the lecturers of the workshop | 60 min

Site visit: get to know DAVE - Definitely Affordable Virtual Environment | 105 min

Friday 27 September 2019

Neuroethics and philosophy in RRI | 60 min
[Michele Farisco \(Uppsala University\)](#)

The demystification of the robot: Why we need informed people and explainable machines | 60 min
[Martina Mara \(Johannes Kepler University Linz\)](#)

Societal impact through engagement of publics and experts in the HBP | 60 min
[Sita Kotnis \(The Danish Board of Technology Foundation\)](#)

A look back and forward: Diversity and ethics in the history of science | 60 min
[Harald Kleinberger-Pierer \(FH Joanneum\)](#)

Student presentation | 30 min

Hands-on session for your research design: Exploring the diversity of research objects and target groups | 60 min
[Karin Grasenick \(convelop cooperative knowledge design gmbh\)](#)

Poster session & poster award | 75 min

What you always wanted to know about the HBP but never dared to ask, lessons learned & feedback round | 60 min
[Alois Saria \(Medical University Innsbruck\)](#)

ECTS information

Participants have the possibility of taking an exam related to the content of the HBP Curriculum online courses. Upon successful completion, up to **12 ECTS credits** can be awarded. The credits are awarded by the Medical University of Innsbruck / Austria (MUI). Further information on how to receive ECTS credits: www.humanbrainproject.eu/en/education/participatecollaborate/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. By submitting a poster for presentation you can also win a presentation slot at the 4th HBP Student Conference (travel included). The poster session also will provide an additional opportunity to explore tools for interdisciplinary research and RRI. Tools and practical questionnaires will be provided focusing on how to discover collaboration potentials and innovative approaches for your research.

Student presentation

One participant will get the opportunity to present their research in a 30-min student presentation. Participants can apply for this slot with a short research abstract (max. 2 pages). The best abstract will be selected based on the scientific quality and the consideration of diversity and ethics aspects. The participant selected to present their research will be listed as an ordinary speaker in the on-site programme.

Open dialogue

What are the challenges and benefits of RRI, of diversity as research content and the consequences of biases in neuroscience, AI and robotics? What are expected developments in these fields that should be considered? Which research designs and processes have been proven to be beneficial to achieve excellent outcomes? Lecturers will engage in an open dialogue with the participants, share experiences, give advice and feedback.



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humanbrainproject.eu/education