



Human Brain Project
Education Programme

FIRST HBP CURRICULUM WORKSHOP SERIES ICT FOR NON-SPECIALISTS

21-23 June 2017
EITN, Paris, France

Application deadline: 10 May 2017

Workshop Information

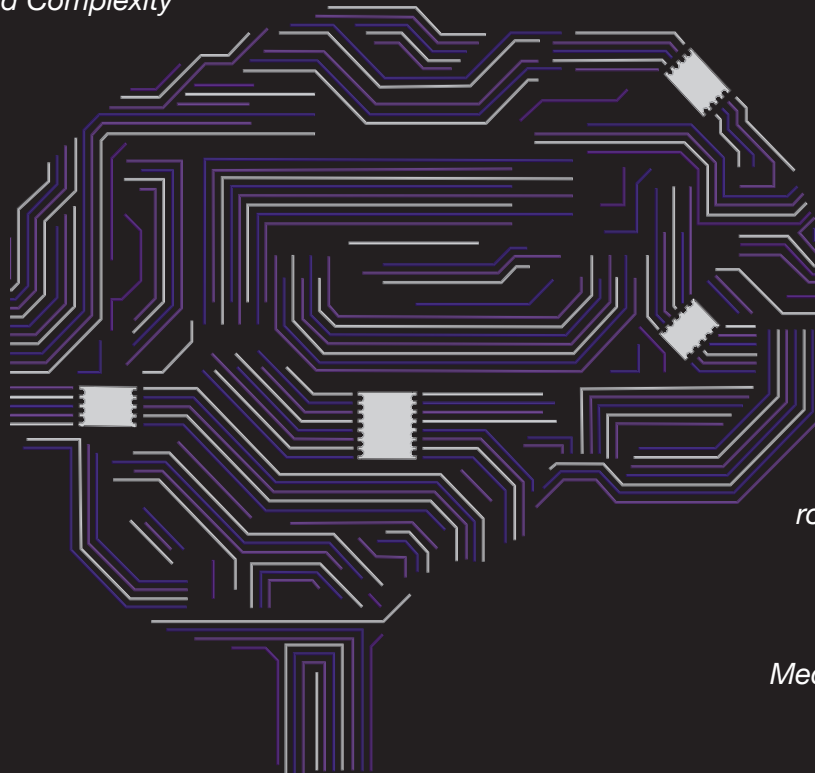
Working on the frontiers between neuroscience and ICT, or medicine and ICT requires basic knowledge in the field of computer science. This workshop complements the online course ICT for non-specialists and provides practical insights into ICT research for young investigators interested in the subject without an ICT background, who require some basics for their research. Lectures and seminars will be accompanied by practical work and open discussion rounds. Experts in various areas of ICT will be available on site.

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

Scientific Directors:

David Lester
The University of Manchester

Andrew Davison
*The French National Center for
Scientific Research/Unit of Neuro-
science Information and Complexity*



Organisers:

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For more information visit:
[https://education.humanbrainproject.eu/
web/1st-hbp-curriculum-ict](https://education.humanbrainproject.eu/web/1st-hbp-curriculum-ict)

Scientific programme schedule

as of 27 April 2017



Human Brain Project
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Wednesday, 21 June

08:30 - 09:00

Registration

09:00 - 09:15

Workshop Introduction

09:15 - 12:30

SpiNNaker and Neuromorphic Computing

David Lester, Christian Brenninkmeijer, Andrew Rowley (UMAN)

12:30 - 13:30

Lunch

13:30 - 16:30

PyNN

Andrew Davison (CNRS)

16:30 - 17:00

Coffee break

17:00 - 18:30

Analogue Electronics and the BrainScaleS Physical Model System

Andreas Grübl (UHEI)

Thursday, 22 June

09:00 - 12:30

Simulating large-scale spiking neuronal networks with NEST

David Dahmen (FZ Jülich)

12:30 - 13:30

Lunch

13:30 - 16:30

BrainScaleS Tutorial

Christoph Koke, Alexander Kugele (UHEI)

16:30 - 17:00

Coffee break

17:00 - 18:30

AI/Data analytics

tbd

Friday, 23 June

09:00 - 12:30

AI/Data analytics

tbd

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Application is required as space may be limited. Applicants selected for participation will be informed within two weeks after the application deadline.

There is no registration fee. Seven travel grants will be available upon request (European students only). Accommodation can be provided for 30 students (first come, first served).

This programme may be subject to change.

Note: The workshop is a supplement to the online course 'HBP Curriculum - ICT for non-specialists'. It is recommended for workshop participants to attend the online course as a basis for the workshop. During the workshop participants will have the possibility of taking an exam about the content of the HBP online course 'HBP Curriculum - ICT for non-specialists'.

Contact:

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the European Union



The University of Manchester