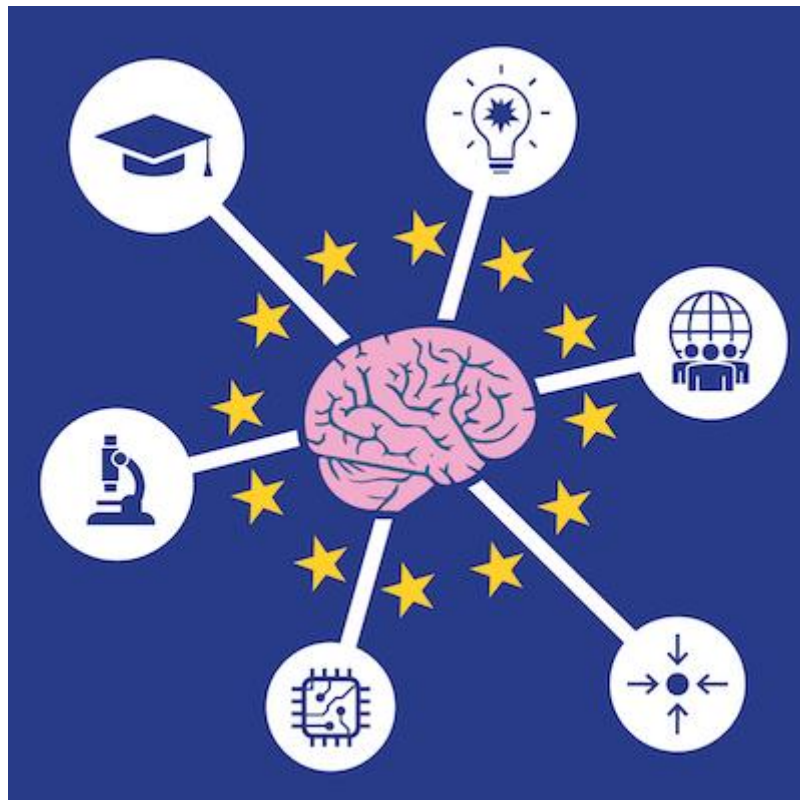


# Neurotech<sup>EU</sup>

The European University of Brain and Technology



[D6.4]

[Exhibitions and innovation showcases]

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## Executive Summary

This document collates exhibitions and innovation showcases to promote the adoption and societal acceptance of new technologies and innovations. All of them were carried out in close collaboration with all consortium partners and were delivered in the format of online events, and a series of videos. They were geared towards public interest and targeted user groups. The events showcase a first approach to move forward the translation of new technologies for research into, diagnosis and treatment, considering the barrier that represents the lack of familiarity of the end-user with them.

## List of exhibitions and innovation showcases

Promotional activities were delivered in the format of online events, and a series of videos, due to the COVID-19 pandemic. Activities were carried out in close collaboration with all consortium partners. They include:

1. **NeurotechEU short videos** providing a quick NeurotechEU overview. They have been extensively used as material for first contact with different stakeholders throughout the project:
  - a. What is NeurotechEU?  
<https://youtu.be/16nc5-l7yJw>
  - b. Welcome to NeurotechEU  
<https://youtu.be/oZWB11ObXNM>
  - c. NeurotechEU - Rector's Perspective  
<https://youtu.be/SGO0CJTxMQY>
  - d. European Universities: The Vision and the action plan.
    - i. This video shares the vision from the European Commission regarding European Universities, with the participation of Ms. Debias-Sainton, head of the Higher Education Unit at the European Commission.  
<https://youtu.be/bJKexc1lpI0>
  - e. NeurotechEU 2040.
    - i. This video is an introduction from Bob Harris from the Karolinska Institutet (KI) to introduce the approach that KI is leading inside NeurotechEU (Think Tank) to work on Neurochallenges.  
<https://youtu.be/VR35CRd3Tb0>
2. **Students breakout sessions NeurotechEU Virtual Opening**

The student council of the NeurotechEU organised four breakout sessions on Dec 16th, 2020, where discussions were held about challenges/opportunities waiting for NeurotechEU (potential of diversity within NeurotechEU, Digital spaces for collaboration, challenges for NeurotechEU community creation).

  - i. #1: Led by Carina Beuck (UBO).  
<https://youtu.be/dEiiqQEQcCc>
  - ii. #2: Led by Yildiz Kelahmetoglu and Mohamed Sayed-Ahmad (UD & KI).  
<https://youtu.be/s9edo5DSvBk>
  - iii. #3: Lead by Laura Rincón-Frutos and Tara Diviney (UMH & OXF)  
<https://youtu.be/9U1WQnTisQw>
  - iv. #4: Led by Mert Deniz Polat and Horea Urs (UMF & BOUN)  
<https://youtu.be/nDFLFS0JEil>
3. Online video series. A series of 8 videos named "**Thomas Willis Conversations**" have been produced and shared on the NeurotechEU youtube channel. In this series Zoltan Molnar, Professor of Developmental Neuroscience at University of Oxford and the NeurotechEU Chair for Neurochallenges and Societal Innovation, hosts a series of eight conversations with leading scholars, researchers and medical professionals.





<https://www.youtube.com/playlist?list=PLSrV8056EZgABD1xyXsQAwfZXRIUdhmqm>

4. Online lecture. On the 4th of June 2021 an online lecture was provided by the University of Oxford on “**The history, future and ethics of self-experimentation**”. A total of 112 participants were present at this event.

<https://www.crowdcast.io/e/history-and-ethics-of>

The poster features a red header with the text 'The European University of Brain and Technology'. Below this, the title 'The history, future and ethics of self-experimentation' is displayed in a large, bold font, followed by 'by Dr Matt Lennon & Prof Zoltan Molnar' and 'University of Oxford'. To the left, a blue triangular graphic contains a brain icon surrounded by various scientific and technological icons (graduation cap, microscope, gear, lightbulb, globe, compass). The word 'Seminar' is written vertically on the blue triangle. Below the title, event details are provided: '04 June 2021 17:00 CEST' and the link 'bit.ly/Self-Experimentation'. Two photographs of the speakers, Dr Matt Lennon and Prof Zoltan Molnar, are shown. A red banner at the bottom left of the poster states 'Seating on Crowdcast is limited to first 1000!'. At the very bottom, there is a red bar with social media icons and the text 'Follow us on @NeurotechEU' and 'www.theneurotech.eu'.

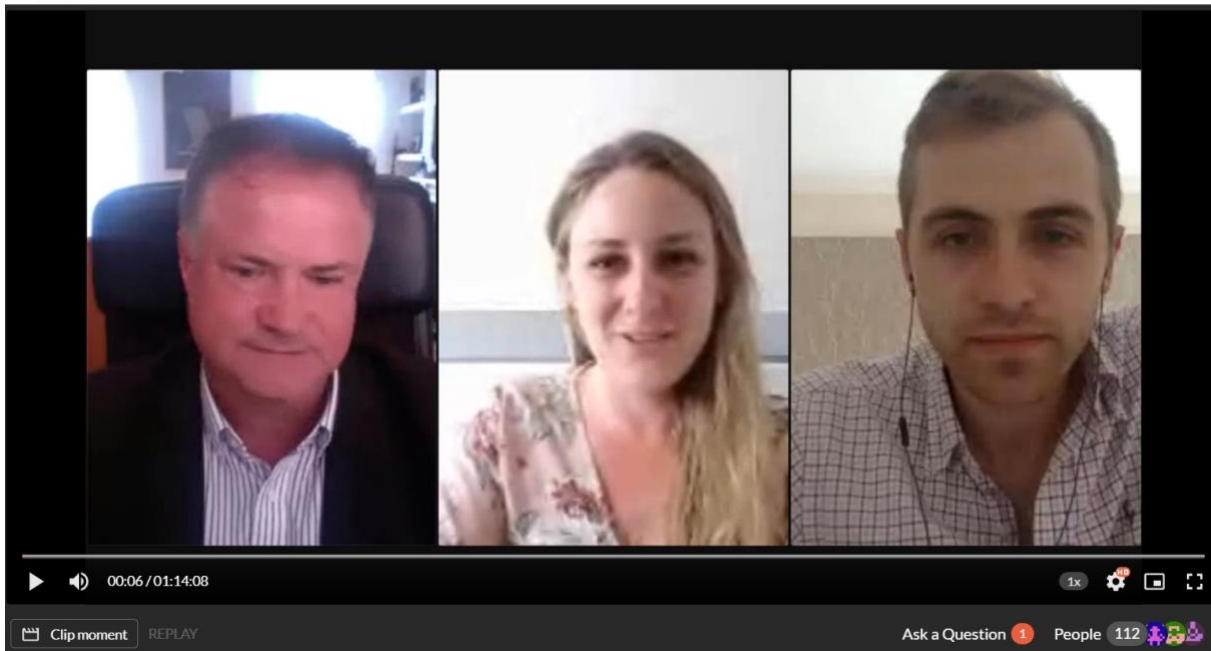
Modern day “neurohackers” are radically self-experimenting, attempting genomic modification with CRISPR-Cas9 constructs and electrode insertion into their cortex amongst a host of other things. Institutions wanting to avoid the risks bought on by these procedures, generally avoid involvement with self-experimenting research.

But what is the ethical thing to do? Should researchers be allowed or encouraged to self-experiment? Should institutions support or hinder them? Where do you think that this process of self-experimentation could take us?

This presentation by Dr Matt Lennon and Professor Zoltan Molnar of the University of Oxford, will explore the history, future and ethics of self-experimentation. It will explore notable examples of self-experimenters including Isaac Newton, Angelo Ruffini and Oliver Sacks and how a number of these pivotal experiments created paradigm shifts in neuroscience. The presentation will open up a forum for all participants to be involved asking key ethical questions around what should and should not be allowed in self-experimentation research.

Poster for the online lecture: “The history, future and ethics of self-experimentation” (4th June’21. University of Oxford).





Screen capture of the online lecture: “The history, future and ethics of self-experimentation” (4th June’21. University of Oxford).

5. Zoom Webinar. On the 7th of March 2022 a free Zoom webinar was organized, “**A quick introduction to digital monitoring in health and disease**”. This NeurotechEU webinar provided an introduction to digital monitoring technologies and served as a pilot for a more comprehensive event in the future.

<https://twitter.com/OxNeuro/status/1493901537227247620?s=20&t=JO9v1S-wo2iPVj9O50KL7Q>

