EUROPEAN UNIVERSITIES

Erasmus+

Neurotech EU

WHO WE ARE

Uniting over...

170 000
STUDENTS

400 000
ALUMNI

70 000
STAFF, INCLUDING
>35 000 ACADEMIC
STAFF/RESEARCHERS

51
FACULTIES

8 pioneers

Radboud Universiteit (The Netherlands)
Universidad Miguel Hernández de Elche (Spain)
Karolinska Institutet (Sweden)
Rheinische Friedrich Wilhelms-Universität Bonn (Germany)
Boğaziçi Üniversitesi (Turkey)
University of Oxford (The United Kingdom)
Universitatea de Medicină și Farmacie „Iuliu Hațieganu" din Cluj-Napoca (Romania)
Debreceni Egyetem (Hungary)

+250 associates

1 university network	**2** European Universities	**14** research centres
9 public bodies	**8** NGOs	**200+** companies
3 Technology Transfer Offices	**6** Regional Innovation Networks	**29** higher education institutions

OUR VISION FOR THE FUTURE

From health and healthcare to learning and education, Neuroscience plays a key role in addressing some of the most pressing societal challenges. Neuroscience shows great promise to become an applied science, to **provide brain-centred or brain-inspired solutions** that could **benefit society and kindle a new economy** in Europe. Neurotech EU aims to be the backbone of this new vision by creating an ecosystem to support education, research, innovation and foster (societal) impact.

Based on **feedback** from our **students**, we designed Neurotech EU programmes to cross disciplinary borders across our universities, creating **a unique organisation unconstrained by faculty, institutional and geographical boundaries**. Neurotech EU students across the three cycles (Bachelor, Master, Doctoral) will receive comprehensive multidisciplinary, international and intersectoral training, designed to develop a European identity in a multicultural and multilingual setting. Neurotech EU will actively promote **life-long learning via structured but flexible, scalable and personalised programmes**, to remove obstacles to access education, bridge inequalities in employment, and maximize human potential in an atmosphere in which inclusion and diversity are celebrated.

OUR VISION FOR THE FUTURE

At Neurotech^{EU} the **next-generation of multidisciplinary scientists and engineers** will have access to **cutting-edge infrastructure** for fundamental, translational and applied research in a large variety of disciplines as we help them become the transformative future leaders of society, industry, and academy. Beyond its education mission, Neurotech^{EU} research will facilitate technological and societal innovation by bringing together 250+ partnering organisations to create **an innovation ecosystem** and help Europe become the **global leader in brain research and technologies**.

PUTTING OUR VISION INTO PRACTICE

KEY DELIVERABLES / ACTIVITIES

⬛ **Neurotech^{EU} Campus+** will create the crucial shared virtual space, an extension of the partnering organisations, where students, teachers, and administrators work together without obstacles to provide physical, digital and blended education.

⬛ **Neurotech^{EU} Graduate School** will provide co-tutelage education at master's and doctoral level to train top-flight researchers. It will promote innovation and an entrepreneurial mindset. Each student will work on a **Neurochallenge**, i.e. societal challenge that can be met by neuroscientific and neurotechnological solutions.

⬛ **Neurotech^{EU} Life-long Learning Centre** will support the continued training of its graduates and society at large. It will provide the necessary knowledge, skill sets and competences to adapt to changing personal, civic, societal and employment-related needs and provide them with opportunities in brain research and technologies.

⬛ **Neurotech^{EU} Spaces** will be the virtual collaboration platform. Based on open source software, the Spaces will provide the necessary tools to communicate, create, share and store information safely. It will address the needs of users from any background.

⬛ **Neurotech^{EU} Ecosystem**. Modern universities need to be integrated into society and the economy to help universities to focus on their education, talent development and innovation efforts; to help boosting graduates' employability and to promote entrepreneurship.

HOW OUR ALLIANCE WILL TRANSFORM OUR UNIVERSITIES

⬛ By acting as the back-bone of the Knowledge Triangle and by "putting equity" into internationalisation and cross-continental innovation, higher education, research, and business will coalesce together in the Neurotech^{EU} **University of the Future** to define the cutting-edge in technology and push the boundaries of knowledge and scholarship.

⬛ Neurotech^{EU} students and staff will jointly develop a system of **integrated and open study programmes** where students can combine periods of study in different countries across sectors. There will be mobility in all programmes shared within the alliance. As such, Neurotech^{EU} will **contribute to the emergence of European degrees**.

⬛ By pooling educational and training capacity, utilising next-generation virtual exchange and mobility platforms and increasing cooperation between students and researchers, mobility **will increase dramatically**. A new interactive, virtual mobility platform will increase accessibility and inclusivity, while providing a scalable, economical and modular alternative to physical mobility.

⬛ Finding ways for **automatic recognition of learning periods, internships and diplomas** between the partners is a necessity. In addition, a thorough quality assurance system will give the alliance a sound basis for implementing an automatic recognition system.

⬛ Training in intercultural settings fosters **civic and language competencies** through immersion into different contexts and will promote a sense of European belonging and improve creative thinking and transversal solutions.

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