

FEBRUARY TO JULY, 2026



COST ACTION 24123

NEWSLETTER



Mapping the network: The Neuropsychology Lab at KU Leuven

Céline Gillebert and Hanne Huygelier and her team are a key engine of the neuroXRehab COST Action, leading two working groups focused on neurorehabilitation methodology (WG1) and spatial neglect assessment (WG2), respectively. They are currently validating HEMIRehApp, an immersive VR serious game bringing us closer to standardized, technology-driven neurorehabilitation.

Mapping the network: Division of Neuropsychology University Clinic Tübingen

The team has pioneered AR-based tools for neglect diagnosis and therapy, including Negami, an app for active exploration training, and the Free Exploration Test, a standardized clinical assessment tool. Their research also explores non-invasive stimulation methods, with recent trials investigating neck muscle vibration and right biceps vibration as treatments for post-stroke spatial neglect.

Among their most striking findings: spatial neglect is significantly reduced when patients lie inside a 3T MRI scanner, an effect linked to magnetic vestibular stimulation that may open new therapeutic avenues.



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NeuroXRehab Madeira Meeting

From May 18th to 20th, the University of Madeira hosted a three-day intensive program for the neuroXRehab COST Action at the Colégio dos Jesuítas, Funchal. The meeting was organized by Sergi Bermúdez I Badia, Ana Lúcia Faria, André Freitas and Raquel Vasconcelos, members of the Portugal Management Committee, with the aim of exploring the advances in interdisciplinary research and launching new strategic initiatives.



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Under the guidance of Gordon Johnson, the first day offered an engaging introduction to the AI Landscape in Research. Participants explored key principles of prompt engineering, strategies to enhance research efficiency using AI, and workflow automation tools. The day ended with a visit to NeuroRehabLab.

The second day centered on fostering connection and collaboration among participants. A dedicated networking session provided an opportunity to engage and exchange ideas, followed by a moment to introduce COST Actions, WG2 and WG3 timelines and progress.

On the third day, WG4 was officially launched, accompanied by the development of a strategic roadmap. During the session, participants defined a work plan, aligned key objectives, and established milestones for future subgroup activities.



neuroXRehab goes to EUNOS 2026

At the European Neuro-Ophthalmology Society 2026 in Milan, Céline Gillebert spoke in the Low Vision session. Her talk focused on spatial neglect, a condition highly relevant to neuro-ophthalmology but not simply a disorder of vision: patients may have relatively spared visual pathways, yet fail to attend to, represent, or act toward one side of space.

neuroXRehab goes to CYPsy 2026



The 29th Annual CyberPsychology, CyberTherapy and Social Networking Conference took place in Porto from June 30th to July 2nd. Raquel Vasconcelos's presentation focused on how 3D visualization technologies can support visual memory encoding and help manage cognitive load in individuals with acquired brain injury. André Freitas presented an XR rehabilitation platform designed to integrate accessibility aids with ecological validity, supporting cognitive, motor, and social cognition training.



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neuroXRehab goes to the World Conference on Virtual Rehabilitation

Iris Brunner took part in the World Conference on Virtual Rehabilitation 2026, organised by XR4REHAB and the International Society for Virtual Rehabilitation, hosted by University College Cork from 25th to 26th of June, where she presented the NeuroMate, a work developed aligned with the scope of the neuroXRehab COST Action.



neuroXRehab goes to the INS Mid-Year Meeting

Stephanie Rossit, Dario Cazzolli, and Peii Chen participated in the International Neuropsychological Society Mid-Year Meeting, held in Ireland from the 22nd to the 24th of July. In the symposium on Next Gen Cog Rehab, Stephanie and Dario presented clinical testing results for EyeFocus, a new attention rehabilitation app. Then she presented the Stroke Association & NIHR funded digital tool for neglect assessment, freely available for download [here](#).



Want to get involved?

We invite you to join our community and take part in upcoming meetings, collaborations, and research activities. Be part of shaping the future of advanced neurorehabilitation research.

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