

TBrainBoost Summer School 2.0: Innovations in Neuroscience of Movement and Neurorehabilitation

14th - 18th July 2025



AGENDA

Monday, 14 July 2025 – Module 1: Bridging Academia, Industry & Innovation in Neuroscience

 Center for Humanities, ZRS Koper; Kreljeva ulica 6, Koper

8:15 – 9:00 **Registration (on-site students) and ZOOM log in (online students)**

9:00 – 9:30 **Translational Frontiers: Merging Academic Research with Neurorehabilitation Practice:** Uroš Marušič

9:30 – 10:20 **Motion Without Markers: AI-Driven Movement Detection:** Daniel Seebacher

10:20 – 10:40 **Coffee break**

10:40 – 11:20 **Unlocking Innovation: The Role of Knowledge & Technology Transfer Offices :** Barbara Bradaš Premrl & Anja Inkret

11:20 – 13:00 **Student Project Presentations (Part I)**

13:00 – 14:30 **Lunch break** – Caprizza Pristaniška ulica 3, 6000 Koper

 Mediterranean Health Center; Pristaniška ulica 45, Koper

14:30 – 15:15 **From Lab to Market: Tensiomyography's Commercialization Journey:** Jure Jemec

15:15 – 16:00 **From Palpation to Personalized Medicine: The Artificial Finger & Acoustic Muscle Insights:** Boštjan Šimunič

Tuesday, 15 July 2025 – Module 2: Neurorehabilitation in Practice & Translational Neuroscience

📍 Marine Biology Station Piran; Fornače 41, Piran, Slovenija

| | |
|----------------|---|
| 8:45 – 9:00 AM | Registration (on-site students) and ZOOM log in (online students) |
| | Neurorehabilitation in Focus: Multinational Perspectives: Ivana Palčić – Croatia, Dr. Anne Felicia Ambrose – USA, Tatjana Horvat, Dr. Tine Kovačič – Slovenia |
| | The effects of Coordinative Locomotor Training on gait in neurological patients: Ivana Palčić – Croatia |
| | Gait and cognition following Traumatic Brain Injury: Dr. Anne Felicia Ambrose – USA |
| | Coffee break |
| | From Motor Control Theory to Clinical Practice: Translating Functional Variability into Neurorehabilitation: Julian Rudisch – Germany |
| | EEG & Dementia: Translating Neuroscience into Real-World Applications: Jurij Dreo – Malta |
| | Lunch break |
| | Workshop: Project Mentoring & Group Work |
| | Coffee break |
| | <u>Keynote Lecture:</u> Motor pathways to dementia Dr. Joe Verghese – USA |



Wednesday, 16 July 2025 – Module 3: Digital Tools, AI & Inspiring Research Journeys:

📍 Marine Biology Station Piran; Fornače 41, Piran, Slovenija

| | |
|----------------|---|
| 8:45 – 9:00 AM | Registration (on-site students) and ZOOM log in (online students) |
| | From Student to Scientist: Building a Research Career in Neuroscience of Movement: Laurisa Arenales – Belgium |
| | Neurotech, Robotics & AI: Exploring Next-Gen Tools: Dr. Kevin De Pauw – Belgium |
| | Integration of the Mindfulness-Acceptance-Commitment (MAC) approach and (neuro)biofeedback technologies in the psychological preparation of athletes: Dr. Duško Lepir – Bosnia & Herzegovina |
| | Lunch break |
| | Workshop: Project Mentoring & Refinement |

Thursday, 17 July 2025 – Module 4: Clinical Insights, Digital Health & Applied AI

📍 Marine Biology Station Piran; Fornače 41, Piran, Slovenija

| | |
|----------------|--|
| 8:45 – 9:00 AM | Registration (on-site students) and ZOOM log in (online students) |
| | Balance Training for Fall Prevention: From Research to Real-World Impact: Dr. Michael Schwenk – Germany |
| | Coffee break |
| | Lessons from Sports Medicine: Transitioning from Public to Private Practice: Dr. Neža Majdič – Slovenia |



12:30 – 2:00 PM

Lunch break

2:00 – 2:30 PM

Empowering Innovation through Digital Health Hubs: Rebeka
Žerovnik – Slovenia

2:30 – 4:00 PM

Workshop: Final Project Development & Coaching

Friday, 18 July 2025 – Module 5: Global Perspectives & Student Spotlight:

 Marine Biology Station Piran; Fornače 41, Piran, Slovenija

8:45 – 9:00 AM

Registration (on-site students) and ZOOM log in (online students)

Driving Innovation Across Borders: The Singapore HealthTech

Ecosystem: Dr. Shawnda Morrison – Slovenia/Singapore

Early-Stage Fundraising Strategies for Startups: Verica Poposka –
Denmark

Coffee break

Keynote Lecture: Alzheimer's Dementia 120 Years After Alzheimer:

Dr. Zvezdan Pirtošek – Slovenia

Lunch break

Student Project Presentations (Part II)

Closing Ceremony & Certificate Distribution

Evening Celebration:



Farewell – Sunset Networking on the Adriatic Sea

** TBB summer school 2.0 is part of the TBrainBoost project (led by AMEU; 9 partners; Grant agreement ID: 101120150, topic: HORIZON-WIDERA-2022-TALENTS-03-01 - Fostering balanced brain circulation – ERA Talents)*



This project has received funding from the European Union's Horizon Europe research and innovation programme under grant agreement No 101120150