



Erasmus+ Blended Intensive Programme

neurorehabilitation, Prague 2026

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**Third Faculty
of Medicine**
Charles University



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DEGLI STUDI
DI MILANO



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Additional info at www.CEROS.mobi

ABOUT

The Department of Rehabilitation of the Third Faculty of Medicine, Charles University (Czech Republic), in collaboration with the Department of Physiotherapy, School of Health Sciences, University of Thessaly (Greece), the University of Milan (Italy), the University of Leiria (Portugal), and the Slovak Medical University in Bratislava (Slovakia), is organizing an Erasmus+ Blended Intensive Programme (BIP) worth 3 ECTS credits.

Physiotherapy has an irreplaceable role in the treatment of neurological patients. The quality of education of physiotherapists should potentially improve the quality of care and consequently the quality of life of people with neurological diseases. To achieve this result, it is important to find effective and new ways to educate physiotherapists. One such possibility is to organize a Blended International Program (BIP) - a one-week course with an online component, in which at least three universities will participate. Universities will ensure quality presentations by qualified academics who have not only clinical but also scientific experience in this area, which will improve the quality of education and bring new content of neurological rehabilitation to the teaching of physiotherapy students. In addition, it will offer students dialogue with foreign students, which will improve their language skills. Students' active work in international groups will improve their communication skills and ability to present their own results. Students will form six international groups. Each of them prepares and then presents a lecture and an article in a selected area (physiotherapy after a stroke, multiple sclerosis, etc.). Participants will visit specific workplaces dedicated to neurological patients.

The aim of the workshop is to understand different physiotherapeutic approaches to people with neurological disease.

CONTACT

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**PhDr. Mikuláš Marci, MPH Department of Physiotherapy, Faculty of Nursing
and Professional Health Studies, Slovak Medical University in Bratislava,
Slovakia**

VIRTUAL MEETING

The online meeting will take place on on 30 September at 1:00 p.m. CEST (12:00 p.m. in Portugal; 1:00 p.m. in Czechia, Slovakia and Italy; 2:00 p.m. in Greece).

Preliminary Programme

Prof. PhDr. Kamila Řasová, Ph.D. and Dr Thomas Besios

How did the collaboration between our faculties start? Presentations from the previous BIP workshops

Short introduction of the teachers

Each teacher will briefly introduce themselves and their university

Prof. PhDr. Kamila Řasová, Ph.D.

Introduction to the BIP programme in Prague

Dr Thomas Besios

Assignment of the group work

Students from each faculty will prepare a 10–15-minute PowerPoint presentation introducing their university and country. The presentations will take place on the first day of the BIP in Prague.

We are looking forward to seeing all the presentations together on the first day of the course!

Please note that participation in the virtual meeting is mandatory for all participants.

Please join the meeting via Zoom:

<https://cuni-cz.zoom.us/j/7789009000?pwd=VUo5ajVpbk9zZitUWFFkYWwrNTUvdz09>

MONDAY, OCTOBER 12

10:00–12:00 | Presentations of Participating Faculties

Department of Rehabilitation Medicine, Third Faculty of Medicine, Charles University & University Hospital Královské Vinohrady, Prague

14:00–16:00 | Student Group Presentation Preparation

18:00 | Welcome Event at Hotel Baroko

Tomsova 11/13, Prague

Opening Ceremony

Live music by Olfaktorika

Welcome drink



TUESDAY, OCTOBER 13

9:00–12:00 | Workshops in Neurorehabilitation

Department of Rehabilitation Medicine

Third Faculty of Medicine, Charles University & University Hospital Královské Vinohrady (FNKV)

Šrobárova 50, 100 34 Prague 10 – Vinohrady

HOW TO GET THERE

Best public transport options:

Metro + walking: From Metro Line A – Želivského station, approximately a 10–15 minute walk along Šrobárova Street towards the hospital, then continue across the campus to the lower left corner of the hospital area.

Bus 175:

From Flora metro station, take bus 175 towards Háje and get off at Murmanská stop.

From Strašnická metro station, take bus 175 towards Florenc and get off at Murmanská stop.

Meeting Point

8:45 – in front of Building O, FNKV, Prague.

Organisation

Participants will be divided into four groups. Each group will attend all four workshops, rotating between the different topics.

Each workshop lasts 40 minutes, followed by a 5-minute break/transition to the next workshop.

Workshops

Neuromodulation – rTMS and tDCS

Mgr. Přemysl Vlček, Ph.D., Mgr. Lubomír Rodina, Mgr. Daniel Chynorai

This workshop introduces non-invasive brain stimulation techniques, including repetitive transcranial magnetic stimulation (rTMS) and transcranial direct current stimulation (tDCS), with a focus on their potential applications in neurorehabilitation and motor recovery.



Illusory Movements and Vibration

Mgr. Helena Ziklová

This workshop introduces therapeutic approaches using illusory movements and vibration as sensory and proprioceptive stimuli in neurorehabilitation. Participants will explore their potential to influence motor control and facilitate movement.



Virtual Reality

Prof. Ing. Libor Váša, Ph.D., Ing. Jakub Frank, Mgr. Anna Herynková, MUDr. Barbora Miznerová

This workshop presents an innovative virtual reality application for upper-limb neurorehabilitation based on the principles of proprioceptive “facilitation and inhibition”. Participants will explore the use of immersive technology to provide targeted sensorimotor input and support motor learning.



Motor Programs Activating Therapy (MPAT)

Mgr. Terézie Prokopisová, Ph.D., Mgr. Marie Procházková, Ph.D.

This workshop introduces Motor Programs Activating Therapy (MPAT), a therapeutic approach developed for people with neurological disorders. The workshop focuses on the activation and organisation of movement through targeted sensory and motor stimulation and demonstrates selected principles and practical applications.



Timetable

8:45 – Meeting point: Building O, FNKV

9:00–9:40 – Block 1

9:40–9:45 – Break / Transition

9:45–10:25 – Block 2

10:25–10:30 – Break / Transition

10:30–11:10 – Block 3

11:10–11:15 – Break / Transition

11:15–11:55 – Block 4

11:55–12:00 – Transition

12:00–13:00 – Lunch buffet

13:00–14:00 | Group Transfer to Centre Paraple

14:00–16:00 | Workshop at Centre Paraple

WEDNESDAY, OCTOBER 14

8:00–18:00 | Excursion to St. Joseph's Home, Žireč

8:00 – Departure from the meeting point
Hotel Baroko, Prague 10

10:00 – Opening of the excursion and presentation by the Head of St. Joseph's Home

11:00 – Guided tour including specialised workplaces:

rehabilitation, hydrotherapy, occupational therapy, sheltered housing, activation programmes, smart apartments

CITAK – Centre of Alternative Technology and Assistive Communication

12:00 – Break with refreshments

13:00 – Summary and Q&A session

14:00 – Guided tour of the outdoor area:

herb garden, park, church, bicycle museum, café

15:00 – Departure for Kuks Hospital

19:00 – Arrival in Prague
Ruská 87, Prague 10

THURSDAY, OCTOBER 15

14:00–17:00 | Conference at the Third Faculty of Medicine, Charles University

Burian Lecture Hall

Main Speakers

Prof. PhDr. Kamila Řasová, Ph.D. – Charles University, Czech Republic

Prof. Davide Cattaneo, Ph.D. – University of Milan, Italy

Dr. Elisa Gervasoni – University of Milan, Italy

Dr. José Manuel Alves Guerreiro – University of Leiria, Portugal

Dr. Thomas Besios – University of Thessaly, Greece

Dr. Markéta Pavlíková – Charles University, Czech Republic

Dr. MUDr. Barbora Miznerová – Charles University, Czech Republic

19:00 | Teachers' Dinner

FRIDAY, OCTOBER 16

Department of Rehabilitation Medicine

Third Faculty of Medicine, Charles University & University Hospital Královské Vinohrady, Prague

9:00–12:00 | Student Presentations

12:00 | Closing Ceremony



PERSONS



Prof. PhDr. Kamila Řasová, Ph.D.

Prof. PhDr. Kamila Řasová, Ph.D. graduated in Physiotherapy and subsequently obtained her Ph.D. in Neurosciences at Charles University. She is Professor and Head of the Physiotherapy Study Programme at the Third Faculty of Medicine, Charles University. She also serves as Deputy Head for Science and Research at the Department of Rehabilitation Medicine, Third Faculty of Medicine, Charles University and University Hospital Královské Vinohrady in Prague. In addition, she works as a physiotherapist at the Department of Rheumatology and Rehabilitation, Third Faculty of Medicine, Charles University and Thomayer University Hospital.

Prof. Řasová is the author of seven peer-reviewed monographs and editor of several international publications in the field of neurorehabilitation. According to the Web of Science database, she has published 77 articles in journals indexed with an impact factor, which have received 739 citations, with an H-index of 16.

Her research focuses on neuroproprioceptive facilitation and inhibition, adaptive and plastic processes within the central nervous system, psycho-neuro-endocrine-immunological regulation, and clinical outcomes of rehabilitation in people with multiple sclerosis, stroke survivors, and critically ill patients. She developed Motor Programs Activating Therapy (MPAT), an approach aimed at improving motor functions and supporting neuroplasticity.

She has extensive experience in coordinating international studies and leading research activities. She has organized numerous international workshops and regularly contributes to scientific conferences. Prof. Řasová is a member of several professional organizations, including the Union of Physiotherapists of the Czech Republic and Rehabilitation in Multiple Sclerosis (RIMS). She also serves as a reviewer for several scientific journals and for the Charles University Grant Agency.

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Prof. Davide Cattaneo, PhD



Prof. Davide Cattaneo, PhD is Associate Professor at the Department of Pathophysiology and Transplantation, University of Milan, Italy. He is also affiliated with the IRCCS Fondazione Don Carlo Gnocchi in Milan, where he works at the LaRiCE (Gait and Balance Disorders Laboratory). The University of Milan lists his current teaching activities in research methodology in rehabilitation, neuro-motor rehabilitation and physiotherapy, and clinical training.

His research focuses on neurorehabilitation, with particular emphasis on gait and balance disorders, motor learning and relearning, multiple sclerosis, stroke, and the use of innovative technologies and quantitative assessment methods in rehabilitation. His work combines clinical assessment with instrumental approaches to investigate motor function and changes following rehabilitation.

He is actively involved in teaching physiotherapy and rehabilitation sciences and contributes to research and clinical training in neurorehabilitation. His academic and clinical activities are closely connected with the LaRiCE laboratory at IRCCS Fondazione Don Carlo Gnocchi in Milan.

ORCID: 0000-0003-4251-1856

Elisa Gervasoni, PhD

Elisa Gervasoni, PhD is a physiotherapist and researcher at IRCCS Fondazione Don Carlo Gnocchi in Milan, Italy, where she is affiliated with the LaRiCE (Gait and Balance Disorders Laboratory).



She obtained her degree in Physiotherapy from the University of Milan and subsequently completed her PhD in Neuroscience at the University of Genoa. Her research focuses on neurorehabilitation, particularly gait and balance assessment, motor learning and relearning, and rehabilitation in people with multiple sclerosis and other neurological conditions.

Her research activities include the assessment of gait and balance, the use of quantitative and technology-based methods in neurorehabilitation, and the investigation of motor and cognitive function in people with neurological disorders. She has contributed to research addressing clinically meaningful changes in balance, quantitative gait assessment, and motor relearning.

She is actively involved in professional and scientific activities in neurological physiotherapy and neuroscience.

ORCID: 0000-0002-6057-591X

Prof. Ing. Libor Váša, Ph.D.

Computer Graphics | Virtual Reality | Rehabilitation Technologies

**Department of Computer Science and Engineering,
Faculty of Applied Sciences, University of West
Bohemia, Pilsen, Czech Republic**

ORCID: 0000-0002-0213-3769



Prof. Libor Váša is a professor at the Department of Computer Science and Engineering, Faculty of Applied Sciences, University of West Bohemia in Pilsen. His research focuses on computer graphics, geometric modelling, compression of surface and dynamic models, and virtual reality.

His current research also includes the development of virtual reality technologies for rehabilitation. He has collaborated with clinical researchers on the development and evaluation of VR-based neuroproprioceptive physiotherapy for people with multiple sclerosis, combining computer science, virtual environments and rehabilitation research.

Prof. Váša has extensive experience in research and teaching in computer graphics and virtual reality and has contributed to numerous international scientific publications and research projects. His recent work includes the development of a virtual reality application based on proprioceptive “facilitation and inhibition” for upper-limb rehabilitation in people with multiple sclerosis.

Mgr. Markéta Pavlíková, MSc., Ph.D.

Biostatistician | Research Methodology | Evidence-Based Practice

Charles University, Prague, Czech Republic

ORCID: 0000-0003-4314-4357



Markéta Pavlíková is a biostatistician collaborating with scientists and health professionals on the planning, statistical analysis and publication of research. Her expertise includes biostatistics, research methodology and evidence-based practice.

She is also an experienced lecturer in research methodology and evidence-based practice. She is actively involved in promoting open science and open data and supports researchers in the transparent and rigorous design, analysis and reporting of their studies.

Mgr. Marcela Řasová, Ph.D.

Marcela has a lifelong passion for movement, dance and music. She was diagnosed with multiple sclerosis at the age of 15, which significantly affected her mobility and motivated her to explore the therapeutic potential of movement and dance.

She studied Special Education at the Faculty of Physical Education and Sport, Charles University, specializing in dance and art education. During her studies, she began leading Dance Movement Therapy, using musical rhythm to facilitate movement while creating a positive and enjoyable movement experience.

During an internship in Canada, she became familiar with walking programmes and the use of music and movement in rehabilitation for people with multiple sclerosis. She incorporated these principles into her own therapeutic practice and adapted movement exercises for people who use wheelchairs.

Two years ago, she discovered Paradance and recognized wheelchair dancing as not only a valuable source of psychological support and social participation, but also as an effective form of movement and rehabilitation. She gradually began incorporating selected elements of dance training into her Dance Movement Therapy sessions, combining therapeutic movement, music and dance to support physical function and enjoyment of movement.



Mgr. Kamila Voňková

Voňková is a physiotherapist specializing in the care of people with secondary progressive multiple sclerosis. She graduated in Physiotherapy from the Faculty of Physical Culture at Palacký University in Olomouc and has been part of the St. Joseph's Home for more than ten years. Today she leads its multidisciplinary team of therapists.

In her clinical work, she combines classical physiotherapy with ergonomic approaches, focusing on wheelchair seating and assistive technologies. She is particularly involved in individualized seating solutions, including the newly implemented Libella system, which enables targeted postural adjustments for clients with neurogenic scoliosis.

Together with speech therapists, psychotherapists and social workers, she helps clients maintain the best possible quality of life at home through counselling and field-based support.

Her long-term goal is to promote maximum independence in people living with advanced-stage multiple sclerosis.



Olfaktorika

Website: [Bandzone – Olfaktorika](#)

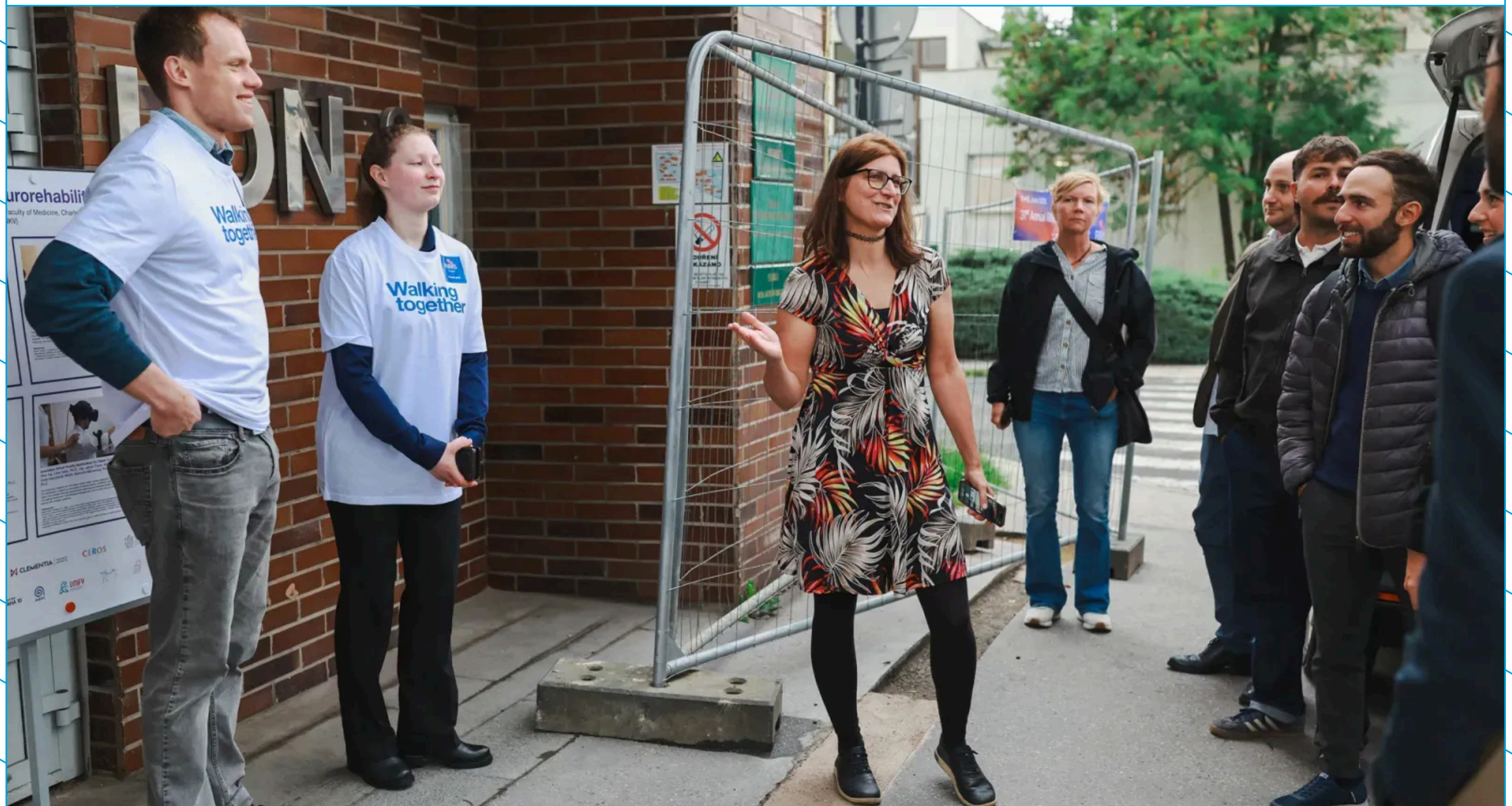
Olfaktorika is a five-member student pop-rock band from Prague. The band performs mainly rock and pop songs in Czech and English, complemented by original music. Over three years of performing together, they have appeared at student festivals, community events and concerts across Prague. In 2026, Olfaktorika performed at the renowned Mezi ploty festival in Prague. The band is known for its energetic performances and enjoys both indoor and outdoor events. Their music includes original songs in a variety of styles.



3rd Faculty of Medicine, Charles University

Website: [3rd Faculty of Medicine, Charles University](https://www.3fakulta.cz/)

The 3rd Faculty of Medicine, Charles University, is a leading Czech institution for medical education, research and clinical practice. The Faculty combines modern, student-centred education with biomedical and clinical research and places strong emphasis on international collaboration and interdisciplinary approaches to healthcare. It is closely connected with major teaching hospitals in Prague and provides education across a broad range of medical and health-related disciplines, including physiotherapy and rehabilitation.



University Hospital Královské Vinohrady

Website: [University Hospital Královské Vinohrady](#)

University Hospital Královské Vinohrady is a major teaching hospital providing a broad spectrum of specialised medical and surgical care. Its clinical departments cover a wide range of fields, including traumatology, cardiology, cardiac surgery, oncology and rehabilitation medicine. As a teaching hospital of Charles University, it combines clinical care with medical and healthcare education, research and the development of contemporary approaches to healthcare.

Prague Wheelchair Sports Club (SKV Praha)

Website: [Prague Wheelchair Sports Club \(SKV Praha\)](#)

Prague Wheelchair Sports Club promotes sport and physical activity for people with physical disabilities. The club supports participation in adapted sports and contributes to an active, independent and meaningful lifestyle. Through sport and community activities, it creates opportunities for social participation, personal development and improved quality of life.



CEROS

Website: [CEROS](#)

CEROS is a public-benefit organisation supporting modern approaches to neurorehabilitation, research and professional education. Its activities focus on the development and dissemination of innovative rehabilitation approaches, interdisciplinary collaboration and the transfer of research findings into clinical practice and education.

PRO tělo v rovnováze

Website: [Pro tělo v rovnováze](#)

PRO tělo v rovnováze focuses on comprehensive rehabilitation, access to high-quality therapeutic care and education in self-care. The organisation promotes an active approach to health and rehabilitation and supports individuals in developing practical strategies for maintaining physical function and wellbeing.



St. Joseph's Home, Žireč

Website: [St. Joseph's Home](#)

St. Joseph's Home in Žireč is a specialised centre of Oblastní charita Ěervený Kostelec providing comprehensive services for people with multiple sclerosis. Established in 2001, it combines residential care with rehabilitation, therapeutic programmes, counselling and support for people living with multiple sclerosis and their caregivers. Its rehabilitation programme integrates the expertise of healthcare and care professionals and focuses on maintaining function, independence and quality of life. The centre also shares its experience through educational activities for people with multiple sclerosis, families and healthcare professionals.



Centre Paraple, Prague

Website: [Centre Paraple](https://www.paraple.cz/)

Centre Paraple is a specialised centre providing comprehensive rehabilitation and support for people with spinal cord injuries. Its interdisciplinary team focuses on promoting independence and personal autonomy in everyday life, while supporting active participation in social and professional activities. The centre provides health and social rehabilitation, physiotherapy and other specialised services, education and counselling, and support with adaptive strategies and assistive technologies. It also operates ParaLab, a multidisciplinary research laboratory connecting clinical practice with research and innovation.

SEE YOU IN PRAGUE



Useful tips:

www.prague.eu

www.praguevisitorpass.eu