

# Epidemiology and Brain Health

Certificate Program – CP  
2 semesters, part-time  
[www.donau-uni.ac.at/brain-health](http://www.donau-uni.ac.at/brain-health)





# Epidemiology and Brain Health

Neurological diseases are worldwide a leading cause of disability and death. The globally increasing prevalence of neurological diseases underlines the socioeconomic importance for epidemiological measures to develop and maintain brain health.

Brain health is essential for physical and mental health, social well-being, productivity and creativity. Therefore, the focus should not only be on the treatment of neurological diseases and the prevention of further deterioration but as well on the promotion of brain health by a continuous development and a lifelong strengthening of the brain. This encompasses control of risk factors of neurological diseases, building up brain reserve as well as the socioeconomical, cultural and ecological context.

## Aim of the course

The aim of the course “Epidemiology and Brain Health” is to provide an overview on the concept of brain health and on the development of population or individually based strategies for the maintenance of a healthy brain.

Knowledge on the spectrum of diagnoses, causes, treatment, prevention, global changes in prevalence and risk factors of neurological diseases will be provided. An interdisciplinary insight in factors and strategies to promote and maintain brain health includes the influence of biomedical, psychological, socioeconomic, political and environmental factors on an individual, population or health economic basis.

By providing methods knowledge in epidemiology and health economics, the program aims to empower students to acquire scientific evidence about brain health, to evaluate and interpret such data in a global and interdisciplinary context and to develop strategies for a healthy brain for clinical praxis or health management.

## Learning outcomes

After completing “Epidemiology and Brain Health”, students

- > can evaluate and interpret epidemiological data in the context of neurology and brain health.
- > can use neuroepidemiological data for individual decision and communication with patients and their relatives.
- > can plan studies and databases for the analysis of epidemiological data.
- > can interpret data on prevalence, causes, risk factors, time trends, treatments and prevention measures of the main neurological diseases in a global and health economic context.
- > can discuss the importance of age, sex, ethnic, developmental, psychosocial and environmental factors, predictors and interventions in the context of global, interdisciplinary, and individually adaptable strategies for a healthy brain.
- > can outline a design for a study on brain health.

## Quick Facts

**Graduation**  
Certificate

**ECTS-Points**  
24

**Learning Format**  
Blended Learning

**Duration**  
2 semesters, part-time

**Start**  
March 6, 2025

**Costs**  
EUR 3,500

**Language**  
English

**Target Group**  
People working in the health sector or related fields

### Study Program Directors

- > Assoc. Prof. Dr. Yvonne Teuschl  
Department for Clinical Neurosciences and Preventive Medicine
- > Univ.-Prof. Dr. Michaela M. Pinter, MAS  
Head of the Department for Clinical Neurosciences and Preventive Medicine







The University for Continuing Education KREMS specializes in academic continuing education for working professionals. As a public university for continuing education, it works with its expertise in research and teaching to overcome societal challenges and tailors its study programs to address them. The continuing education study programs cover ten fields of study and meet the specific requirements of students with work experience. With over 8,000 students coming from 90 countries, the University for Continuing Education KREMS combines its many years of experience in university-based continuing education with innovation to provide outstanding quality in research and teaching at an international level. The University holds the AQ Austria quality seal. Situated 60 km from Vienna in the alluring world heritage region Wachau, Campus KREMS is a highly attractive location.

## Information und Application

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