



Date Tue December 9 2025, 16:15 – 17:15.

Location Great Lecture Hall A303, Second Faculty of Medicine

Plzenska 311, 150 06 Praha - 5 Motol

R.S.V.P. <u>here</u>

LECTURE TITLED "FROM CHROMATIN TO CLINICS: EPIGENETIC INSIGHTS INTO FOCAL EPILEPSY"

The in-situ lecture will be delivered in English and followed by discussion.

MEET THE SPEAKER

Dr. Katja Kobow is a molecular neuropathologist at the Department of Neuropathology, Universitätsklinikum Erlangen, Friedrich-Alexander-Universität (FAU) Erlangen, Germany.

She originally studied biochemistry and later specialized in molecular neuropathology, earning a PhD in neuroscience and genetics, training that formed the foundation of her interdisciplinary approach to brain research.



Her work focuses on the epigenetics of epilepsy, enabling her to investigate the complexity of the human brain while directly contributing to improved patient care. Dr. Kobow examines how epigenetic alterations shape the development and progression of epilepsy, particularly within the adult post-mitotic brain. By identifying epilepsy-related epigenetic signatures, her team aims to advance the understanding of disease mechanisms and evaluate the potential of epigenetic markers as diagnostic and prognostic biomarkers. As one of the pioneers in the epigenetic aspects of epilepsy, Dr. Kobow's lecture will highlight how epigenetics has helped elucidate the complex nature of epilepsy, epileptogenesis, and disease progression, and how epigenetic insights can enhance neuropathological stratification of epileptogenic lesions and provide biomarkers of disease activity.





VISION

Outstanding epilepsy research - paving the way to a life seizure-free

MISSION

By joint research, discoveries and innovation, we seek to open the paths to new and effective methods of prevention, diagnostics and treatment of epilepsy to fundamentally improve the quality of life of patients and their families.

COLLABORATING INSTITUTIONS







