

SZTE Albert Szent-Györgyi Medical School
Department of Physiology

Topic list (2025 /2026):

Supervisor	Topic
Antal Berényi, MD, PhD	In-vivo electrophysiological investigation of hippocampal and neocortical oscillatory patterns
Magor Lőrincz, MS, PhD, DSc	Thalamocortical mechanisms of absence epilepsy
Gyula Sárosi, MD, PhD, DSc	The organization of the mental lexicon in bilingual individuals
Mária Dux, MD, PhD, DSc	Investigation of the sensory and vascular functions of the dura mater in an experimental animal model of migraine
Judit Tóthné Rosta, MS, PhD Orsolya Oszlács, MS, PhD	Pathomechanism of headache and intracranial pain
Judit Tóthné Rosta, MS, PhD Ildikó Kisné Dobos, MS, PhD	Experimental approach to subarachnoid hemorrhage
Ferenc Domoki, MD, PhD, DSc Gábor Remzső, MS, PhD	Cerebrovascular regulatory mechanisms in the neonate Study of neuroprotective strategies for the treatment of neonatal hypoxic-ischemic encephalopathy
Attila Nagy, PhD Gabriella Eördegh, PhD (SZTE ETSZK)	Sensory guided associative learning in psychiatric and neurologic disorders connected to the dysfunction of the basal ganglia
Attila Nagy, PhD	Investigation of sensory functions of the basal ganglia in feline model
Attila Nagy, PhD Balázs Bodosi, PhD	Sleep research on rats
Zoltán Lelkes, MD, PhD	Sleep regulation
Ágnes Fehér, MS, PhD	Cognitive functions and age-related changes in genetically modified mouse models Cognition and speech perception in relation to language backgrounds and neuropsychiatric disorders

Péter Kaposvári, MS, PhD András Benyhe, MD, PhD Szabolcs Sáringer, MD, PhD	Perception, cortical representation, implicit learning, prediction
András Benyhe, MD, PhD	Reading as specialized form of visualized perception