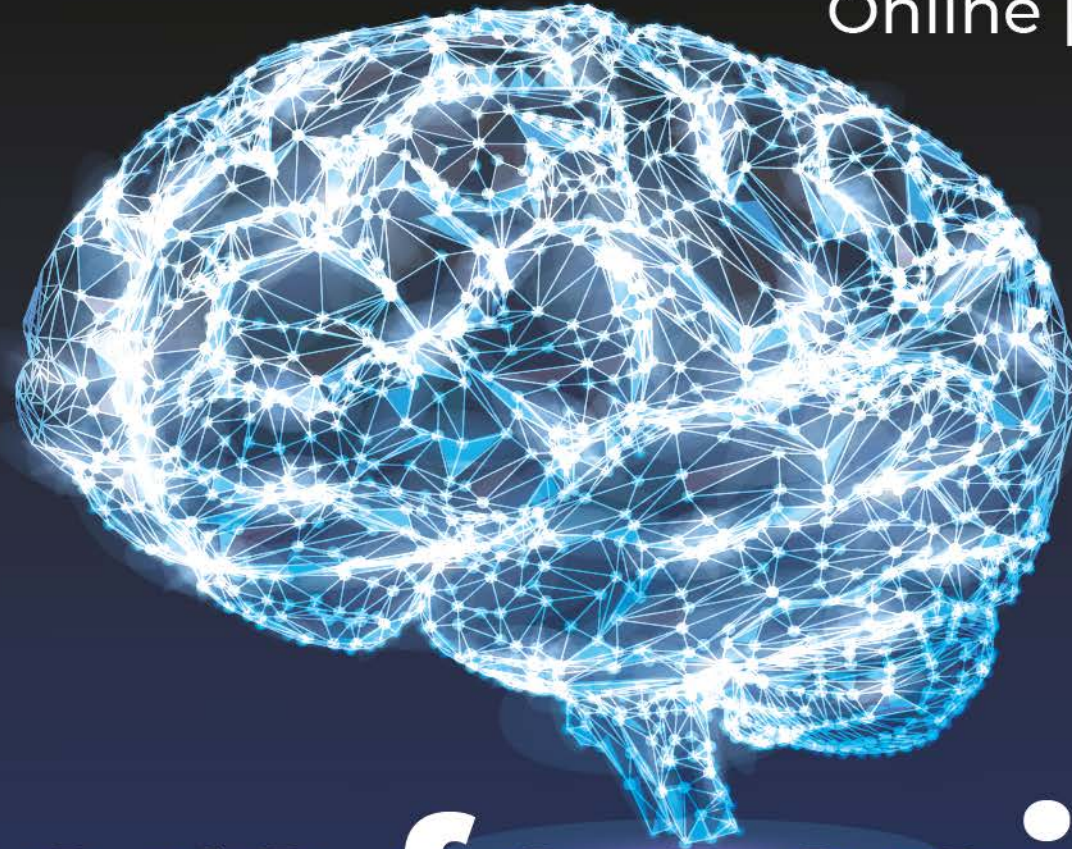


Online | Free participation

August 26

15:00-16:30 CET



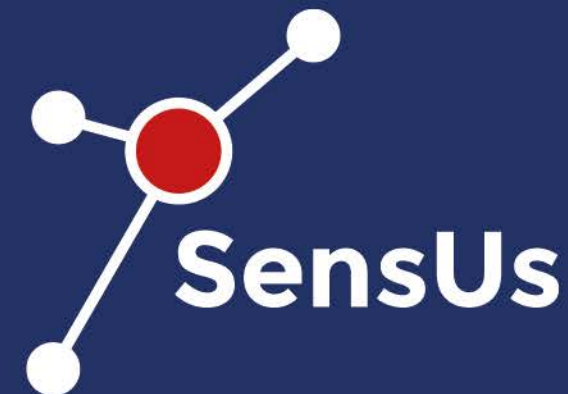
Sensors for epilepsy

Clinical needs and how molecular detection can help

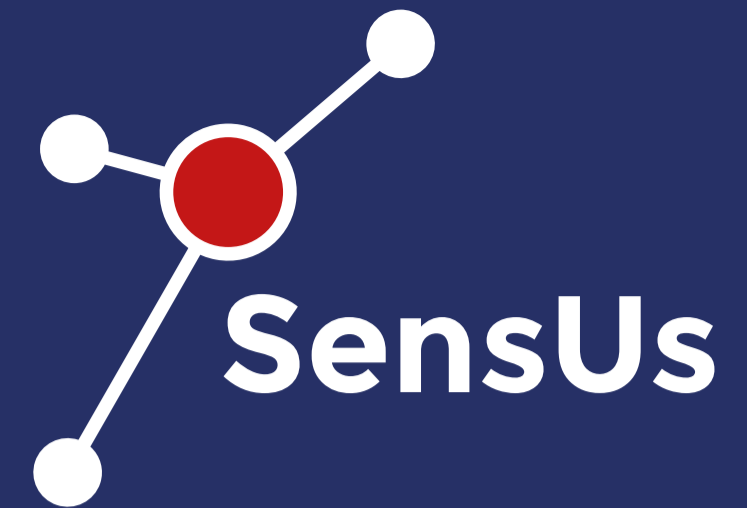


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Sensors for epilepsy



Program

15:00 Opening

Prof. Dr. Marian Majoie and Prof. Dr. Menno Prins

15:05 Early detection of epileptic seizures

Dr. Roland Thijs

15:30 Stress in epilepsy

Dr. Frans Leijten

15:55 Inflammation in epilepsy

Prof. Dr. Eleonora Aronica

16:20 Closing

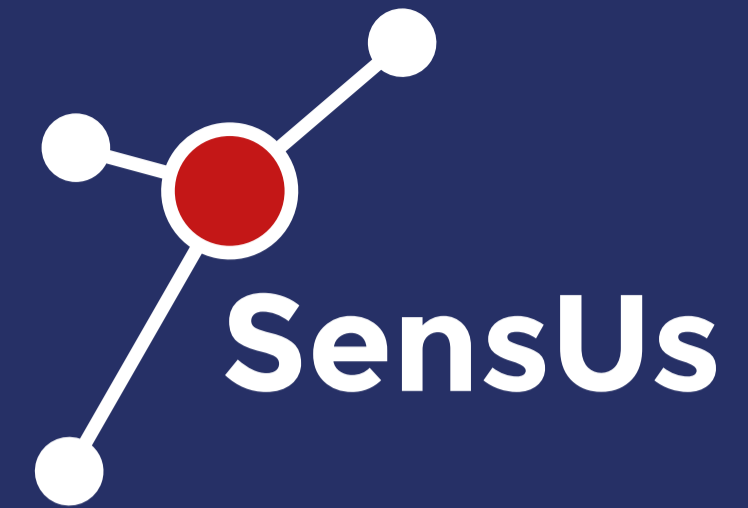
Prof. Dr. Marian Majoie and Prof. Dr. Menno Prins

Experts in the discussion forum:

Dr. Richard Lazeron, Dr. Rob Rouhl, Dr. Olaf Schijns

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Sensors for epilepsy



Speakers



Dr. Roland Thijs is neurologist at the Netherlands Epilepsy Center (SEIN), at Leiden University Medical Center (LUMC), and at the Queen Square Institute of Neurology of University College London (UCL). Dr. Thijs studies on premature death in epilepsy, with focus on the role of the heart and the autonomic nervous system in the onset of sudden unexpected death in epilepsy (SUDEP).



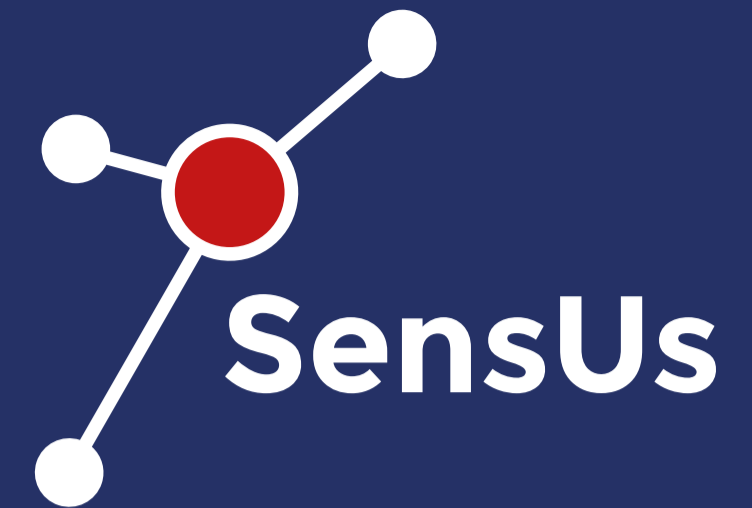
Dr. Frans Leijten works at the Department of Neurology and Clinical Neurophysiology of the UMC Utrecht (UMCU). Dr. Leijten specializes in operative treatments of epilepsy, new forms of imaging, and methods to determine where the source of the epilepsy is located in the brain.



Prof. Eleonora Aronica is professor of Neuropathology at the University of Amsterdam's Faculty of Medicine (AMC-UvA). Dr. Aronica studies neuro-oncology, neurodegenerative diseases, and epilepsy. Her research focuses on understanding the pathogenesis, epileptogenesis, and pharmacoresistance of focal chronic pharmacoresistant epilepsy.

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Sensors for epilepsy



This online workshop will clarify the needs of patients with epilepsy and of neurologists, and how their needs might be addressed by sensor development, with focus on the measurement of biomolecular parameters.

Pitches will be given on seizures, stress, and inflammation in epilepsy, to develop a vision on what the lives of patients could look like in 2030. The workshop is organized in the framework of SensUs, the international student competition on Sensors for Health (www.sensus.org).

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