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&
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Katrina Wendel-Mitoraj

SOENIA™ by BrainCare Oy, Finland

Developing a novel electrode for short to ultra-long term neurological monitoring

Neurology disorders and diseases ranging from acute to chronic are commonplace in the emergency room. It is essential to identify relevant patients and treat them as outpatients or admit them to the hospital as quickly as possible. We can also reduce the burden on the emergency care by providing better tools for monitoring chronic patients through a combination of symptom tracking and direct measurements. Our technology is a game-changing twist on traditional surface, subdural, and cortical electrodes; it will redefine the measurement environment as a future novel implant technology by extending it beyond the clinic into the patient's real life. The electrode is the key element for long-term monitoring implants. Our long-term aim is to integrate direct EEG measurements with our downloadable SOENIA™ Medical Diary to provide detailed symptom records available to primary care neurologists as well as emergency staff.

Biography

Katrina Wendel-Mitoraj is the CEO and Founder of SOENIA™ by BrainCare Oy (Ltd). She obtained her BSc in Electrical Engineering and then worked for Samsung Austin Semiconductor (Austin, Texas, USA) as a photolithography engineer. After relocating to Tampere, Finland, she earned her doctorate in computational modeling of EEG electrodes. During her post-doctoral tenure, she designed and patented novel implantable electrodes and developed the BrainCare concept. She negotiated and acquired the intellectual property assets developed at Tampere University of Technology (Tampere, Finland). She strategically focused on bringing the SOENIA™ Medical Diary & Cloud as a first medical device product to the market. Her current focus is bringing the novel electrode to the market and expanding the usage of the Medical Diary & Cloud.