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Brian Litt, M.D., is Professor of Neurology, Neurosurgery and Bioengineering at the University of Pennsylvania. He divides his time equally between the Schools of Medicine and Engineering, Directing Penn's Center for Neuroengineering and Therapeutics and a cross-campus medical technology initiative, Penn's Center for Health, Technology and Devices (Penn Health-Tech). Dr. Litt is a neurologist who treats patients with epilepsy. His research focuses on NeuroEngineering: materials, hardware, imaging, algorithms, data science, machine learning, and high-speed computing for neural interfaces and devices. His laboratory translates basic science into new diagnostic and therapeutic technologies, with a focus Epilepsy and other brain network disorders. Dr. Litt works on international collaborations for data sharing, reproducibility and training underrepresented groups in STEM and neuro-related fields. He also specializes in translating health technologies to industry, and its interface with academia. He holds a substantial portfolio of patents, has contributed to and co-founded several device companies including IntelliMedix, Neuropace, MC10, Blackfynn, and the 4Catalyzer companies.

Litt Lab