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Collective Spiking Dynamics, Sleep and Epilepsy

Dr. Esther Florin is Lichtenberg Assistant Professor for Systems Neuroscience. She holds a MSc and a PhD in Physics, followed by a Habilitation in Experimental Neurology. She has been a postdoctoral research in several top labs across Europe and America, and head of the group “Oscillatory networks” at the University Hospital in Cologne. Her research interests involve time-series and causality analysis of neurophysiological data, pathophysiology of movement disorders and influences of deep brain stimulation on electrophysiology, electrophysiological correlates of resting state networks and real-time neurofeedback.