

Viola Priesemann, Max Planck Institute for Dynamics and Self Organization, Frankfurt, Germany - *Collective Spiking Dynamics, Sleep and Epilepsy*

Dr. Viola Priesemann is group leader at the Max Planck Institute for Dynamics and Self-Organization. She studied physics at the Technical University Darmstadt and the Universidade Nova de Lisboa (Portugal). Then she started her PhD as a joint theoretical and experimental project between the Ecole Normale Supérieure (France) and Caltech (USA). She then moved with her supervisor Gilles Laurent from Caltech to the Max Planck Institute for Brain Research in Frankfurt, where she defended in 2013. As a PostDoc, she continued her research with Theo Geisel at the MPI for Dynamics and Self-Organization in Gottingen. In 2014, she became Bernstein Fellow and group leader, and in 2015 she won a Max Planck Research Group, which will start in 2016. Combining her expertise in theoretical and experimental neuroscience, she studies information processing in neural networks, addressing the question how networks provide the functional architecture for our cognitive abilities. Viola Priesemann reviews for international journals and research agencies, chaired the SfN Computational Neuroscience Social at the SfN in 2014 and 2015, and is Fellow of the Schiemann Kolleg.