INVITATION
Conférence donnée dans le cadre de la procédure d’appel en
Neurologie - succ. Annoni

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Auditoire D130 - PER21, https://www.unifr.ch/map/fr/plans/perolles.html

En présentiel

Large-scale networks for speech and language processing in the brain:
anatomy, functional dynamics and pathology

Speech and language are essential human capacities and tools for communication and social interaction. At the level of linguistic analysis, research has provided an in-depth understanding of the logical architecture and universal aspects of syntax and the conceptual richness of semantics. From psycholinguistics and developmental psychology, we have a wide range of theories and knowledge regarding the dynamics of language acquisition and language capabilities across the lifespan. At the level of neurobiology, neuroimaging and mapping bioelectric brain activity with cortical electrodes have provided us with an increased understanding of the anatomy and functional dynamics; and neurological disturbances give us important insights on speech and language processing in the human brain. This talk will provide a comprehensive overview of the state-of-the-art of our current understanding of large-scale networks for speech and language processing in the brain.