

Seminar

Brain Computational Models of Human Electrophysiological Data

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Take a chess game. How does the brain enable the complex cognition required in such a situation? Large-scale brain functional networks are known to be the key, and disruptions to these networks likely underlie brain disorders. Hence, a number of Data Science methods have been developed to characterise brain networks from human Neuroscience data. However, these methods use general statistical models to characterise networks, which hampers a neurophysiological understanding of these networks. In this talk, I will speak about my recent work on developing Data Science methods to inform Brain Computational Models with human Neuroscience data, thereby advancing neurophysiological understanding on empirically observed brain networks. I will complete my talk by outlining how I will advance this line of work to answer our original question on how the brain works.

Monday, Jan 22nd 2024

16:00 Hrs (Tea / Coffee 15:45 Hrs)

Seminar Hall, TIFR-H