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From the Concept of "Cognitive-Type" Local Circuit to the Whole-Brain Mechanism of Decision-Making

I will first introduce a biologically-based local circuit model of decision-making, diving into its dynamical inner working, cross-level understanding and experimentally testable predictions. Then I will cover recent progress using training recurrent neural network models by machine learning and, finally, connectome-based modeling of distributed decision processes in a multiregional cortex.

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Session Classification: Guest Talk