



Maths, AI and Neuroscience Meeting



Passcode 755440

<https://kth-se.zoom.us/j/69560887455>

Osquars backe 5,
KTH, Stockholm



Program

Thursday Dec. 15, 2022			Friday Dec. 16, 2022	
0900	Upi Bhalla	Seeing what matters: how single neurons extract patterns amidst noise	Philippe Isope	Spatiotemporal information processing in the cerebellar cortex
0945	Alain Destexhe	Cortical neuronal assemblies in awake perception	Vatsala Thirumalai	Expectation and Error Encoding in Cerebellar Purkinje Neurons
1030		COFFEE		
1100	Stefano Panzeri	Neural activity correlations and encoding and readout of sensory information	Emil Waernberg	Reinforcement learning in the basal ganglia
1145	Rishikesh Narayanan	Efficient information coding and degeneracy in the nervous system	Roshan Cools	Chemistry of the adaptive mind. Lessons from dopamine?
1230		LUNCH		
1400	Vijay Balasubramnium	Occam's Razor in inference by humans and machines	Yasser Roudi	Quantifying relevance in learning and inference
1445	Jie Mei	Neuromodulation for machine learning	Nicolas Farrugia	Interpreting brain activity through connectivity using graph signal processing
1530		COFFEE		
1600	Richard Naud	New biological solutions to the credit assignment problem	Maria Giulia Preti	Graph signal processing for neuroimaging
1645	Thomas Miconi	Learning to acquire novel cognitive tasks with evolution, plasticity and meta-meta-learning	Fabrizio de Vico Fallani	Statistical models of complex brain networks
Saturday Dec. 17, 2022			0900-1100	Tutorial
				Graph Signal Processing