



**University of  
Zurich** <sup>UZH</sup>

## Department of Economics – Neuroeconomics Seminar

**3 November 2016 - 17:00 - 18:00**

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### **A distributed, hierarchical, and recurrent framework for reward-based choice**

Many accounts of reward-based choice argue for distinct component processes that are serial and functionally localized. We argue for an alternative viewpoint, in which choices emerge from repeated computations distributed across many brain regions. This account emphasizes how several features of neuroanatomy may support the implementation of choice, including mutual inhibition in recurrent neural networks and the hierarchical organisation of timescales across cortex. It also suggests that certain value correlates may be emergent, rather than represented explicitly in the brain.