



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

## Department of Economics – Neuroeconomics Seminar

**March 9, 2023 - 17:00 - 18:00**

Paul Bays  
University of Cambridge

### **Fidelity of visual and value representations in human working memory**

Working memory, the ability to actively internally maintain information over brief intervals, provides a foundation for most complex behaviour, including decision-making. Critically, working memory is strongly limited in its ability to hold multiple representations simultaneously, constraining the complexity of mental operations. I will discuss psychophysical, neuroimaging and neurocomputational modelling studies that support a view of visual working memory as a limited resource, distributed continuously between objects according to their salience and relevance to current goals. I will also present recent results from my lab related to representation of reward and its influence on working memory allocation.