



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

## Department of Economics – Neuroeconomics Seminar

**June 1, 2023 - 17:00 - 18:00**

P. Read Montague  
Fralin Biomedical Research Institute & Dept Physics  
Virginia Tech

### **Invasive approaches to affective processing in humans**

One important innovation of neuroeconomics is the introduction of detailed neural data during economic decision-making tasks. It's fair to say this defines the extension from economics to neuroeconomics. With few exceptions the dynamical measures of neural activity during economic tasks are drawn from fMRI, EEG, MEG, and in some cases fNIRS. This work has been successful in generating next generation neural questions about economic decision-making, but this human work has lacked the kind of spatial, temporal, and chemical precision used in model organisms (e.g. rodents). In an effort to reach toward more precise neurobiological correlates of decision-making in humans, we have developed new approaches to measuring sub-second monoamine (dopamine, noradrenaline, serotonin) fluctuations during decision-making and affective processing tasks. This talk will focus on these recent efforts and demonstrate how the new technology can be made more widely available for use in human brain.

Zoom Link:

<https://uzh.zoom.us/j/63426620484?pwd=alp6dE1mTm1rZnE2OEEdFZCt2VWttZz09>

Meeting ID: 634 2662 0484

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