



**University of
Zurich** ^{UZH}

Department of Economics – Neuroeconomics Seminar

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Peter Bossaerts
University of Cambridge

Anterior insula

Converging evidence from across neuroscience casts the Anterior Insula (aIns) as a key hub for cognitive control and attentional regulation — a kind of neural "supervisor" of higher cognition. But what, exactly, is it supervising for? This talk advances the idea that the aIns operates to keep surprise in check. I review the evidence behind this conjecture and present data from an ongoing intracranial(s) EEG experiment, in which participants must closely monitor their own performance under conditions designed to produce — and penalize — lapses in supervisory control.