

“Gießener Abendgespräche Kognition und Gehirn“

Mittwochs, 18.00 bis 20.00 Uhr, Raum F009

27.05.2015

“Psychophysiological Correlates of Decision-making”

Prof. Dr. Johannes Hewig
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In a series of studies the functional significance of feedback potentials in the event-related potential of the brain will be highlighted. Empirical evidence using gambling tasks (e.g. Blackjack) and reinforcement learning tasks indicates that suboptimal decisions give rise to a feedback negativity and contribute to avoidance of such decisions. Further findings suggest that feedback positivity reflects the successful completion of an intention and may be a neural mechanism of reinforcement.