

Propositions

The Role of Performance Monitoring in Psychopathology

Miranda C. Lutz

1. Performance monitoring is a vital cognitive process that drives behavior (this thesis)
2. Error-related negativity and error-related positivity are systematically reduced in patients and individuals with externalizing disorders or problems (this thesis)
3. Electrophysiological indices of performance monitoring are candidate neuro-biomarkers for externalizing disorders (this thesis)
4. Performance monitoring, on a behavioral level, improves during childhood (this thesis)
5. Behavioral indices of performance monitoring can be related to the emotional and behavioral development during childhood (this thesis)
6. A social error-processing task has the potential to examine the affective processing of performance monitoring, which underlies maladaptive behavior in psychopathology
7. To better understand whether and how error-making drives behavior, we need to test the link between response-related potentials and changes in behavior
8. The habit of *begin with the end in mind* is based on imagination — the ability to envision in your mind what you cannot at present see with your eyes (*Stephen R. Covey*)
9. If I have seen further [than others], it is by standing on the shoulder of giants (*John of Salisbury/ Bernard of Chartres*)
10. Psychophysiological research needs rigorous improvement through collaboration, improved statistical and methodological training, open-science, and improved reporting standards, to ensure stability of results and the closer observation of true effects (*Scott A. Baldwin*)
11. We maken allemaal wel eens een fout