

Feeling the Future: Experimental Evidence for Anomalous Retroactive Influences on Cognition and Affect

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RESEARCH ARTICLE

Behavioural and EEG correlates of forward and backward priming—An exploratory study

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Participants

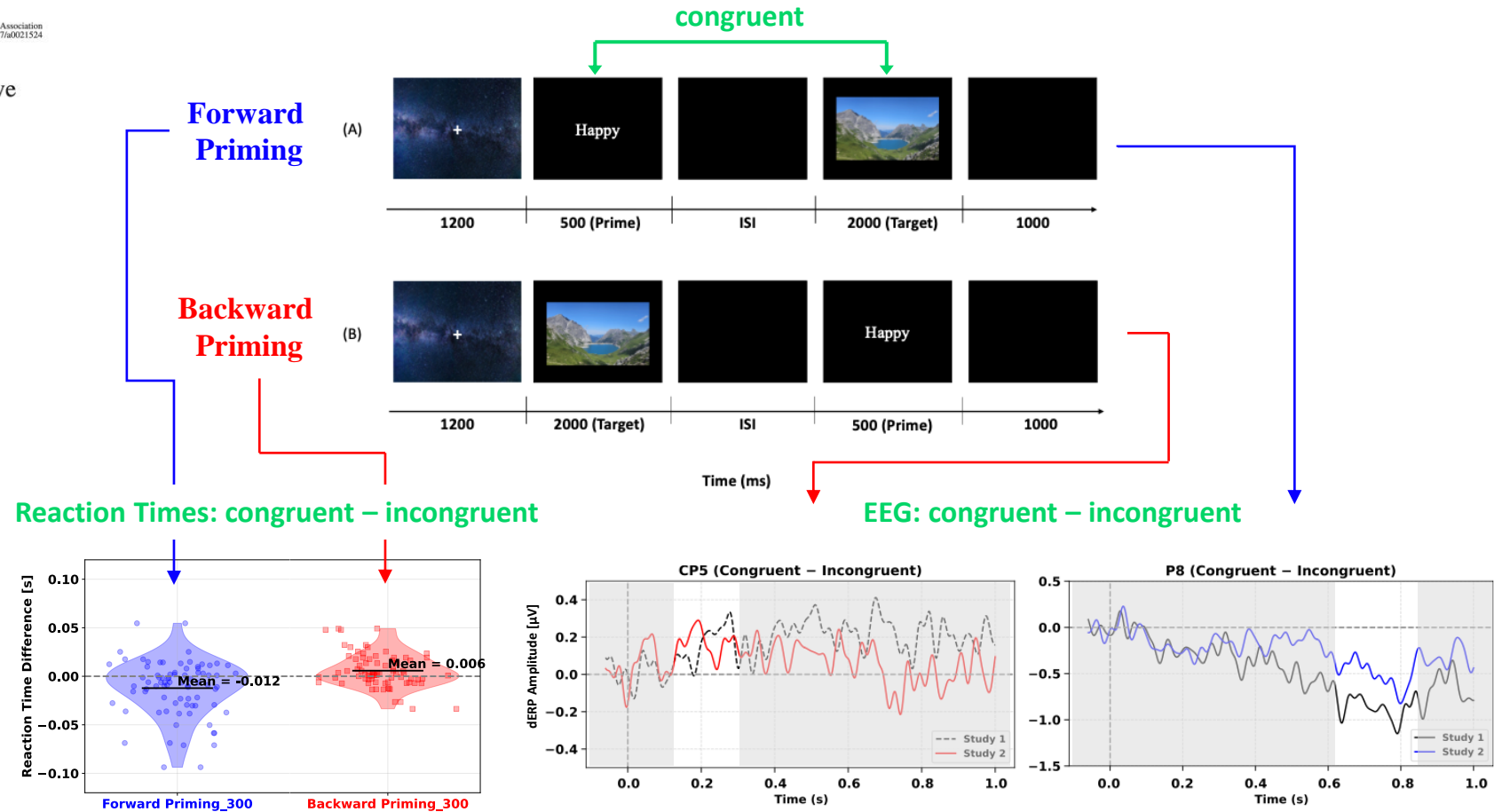
- 42 participants Aged between 18 and 39 years
- Mean age: 24 years; 25 females

Data Analysis:

- Comparison: congruent versus incongruent trials
- ANOVA on median reaction times
- EEG-Data: t-test (congruent vs incongruent)

Discussion

- **Forward priming:** Faster reaction times for congruent vs. incongruent stimuli (replication).
- **Backward priming (Micro-Precognition):** No significant reaction time congruency effect.
- **EEG (backward priming):** Replicated left centro-parietal ERP congruency effect.



References

- Bem DJ. 2011. Feeling the Future: Experimental Evidence for Anomalous Retroactive Influences on Cognition and Affect. *Journal of Personality and Social Psychology*. 100(3):407–425. <https://doi.org/10.1037/a0021524>
- Wilson M, Wittmann M, Kornmeier J. 2025. Behavioural and EEG correlates of forward and backward priming—An exploratory study. *PLoS One*. 20(5):e0322930. <https://doi.org/10.1371/journal.pone.0322930>