

## 12: Is There a Role for Motor Processes in Mindreading?

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‘There is an early mirror response that is not influenced by the correctness of the movement, and a later modulation that differs according to the correctness of the movements reflecting a deeper level of [cognitive] processing than the early response’ (Naish et al. 2014).

Conjecture 1. Automatic belief-tracking depends on outcomes being represented motorically

Conjecture 2. Automatic belief-tracking can influence motor processes that underpin goal-tracking

### References

Naish, K. R., Houston-Price, C., Bremner, A. J., & Holmes, N. P. (2014). Effects of action observation on corticospinal excitability: Muscle specificity, direction, and timing of the mirror response. *Neuropsychologia*, 64, 331–348.

