

# UCLouvain

- movements.<sup>1-3.</sup>
- motor representations?



# Typical facial expression recognition without motor simulation

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## SUPPLEMENTAL MOTOR EVALUATION OF IMS 8 & 10



#### DISCUSSION OF THE RESULTS OF THE OTHER IMS

- one or several control tasks.

## CONCLUSION

in which motor simulation should support FE recognition<sup>1,2</sup> This emphasizes the need for a shift in the burden of proof regarding the role of motor simulation in FE recognition.

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IMS 8 and 10 were among IMS with the most severe facial paralysis. The performance of the other IMS in XPs 1-3 was strongly correlated with their performance on a perceptual test (three rs > 0.5, ps < 0.05) 7/8 of the IMS participants who failed in one (IMS 1, 3, 5, 7) or several (IMS 2, 6, 9, 11) FE experiments obtained equally weak performance in

The IMS's variability due to associated low/mid-level visual disorders

• It is possible to achieve efficient FE recognition without "motor simulation", even in challenging experiments cited as examples of tasks

## REFERENCES

8. Duchaine & Nakayama (2007). Neuropsychologia, 44, 576. 9. Duchaine et al. (2007). Cognitive Neuropsychology, 24, 419. 10. Burkhardt, F., et al. (2005). 9th European Conference on Speech Communication and Technology, 1517. 11. Amos et al. (2016). Technical Report CMU-CS, 16, 1.