

1 **Corticomuscular interactions during different movement periods in**
2 **a multi-joint compound movement**

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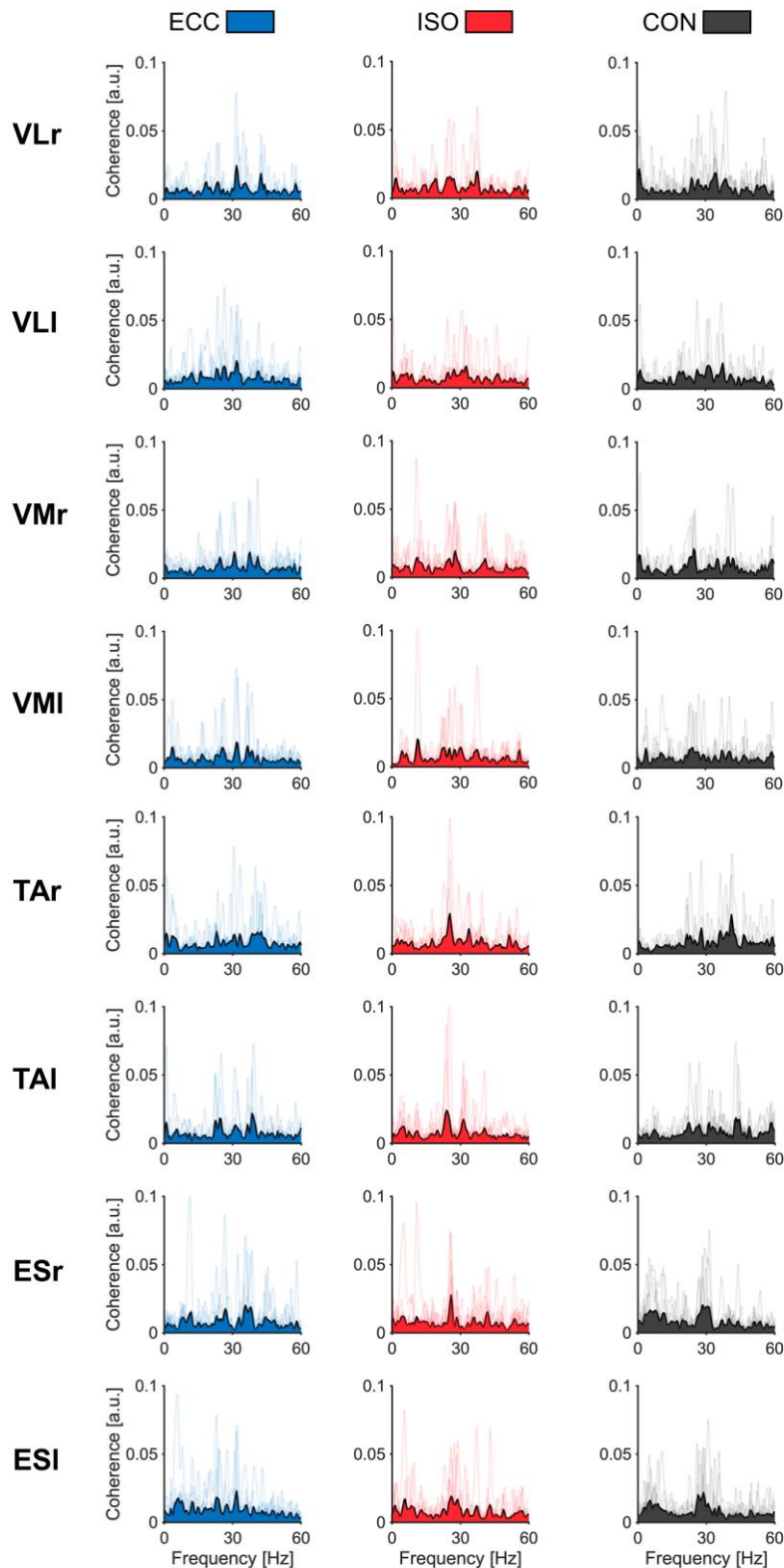
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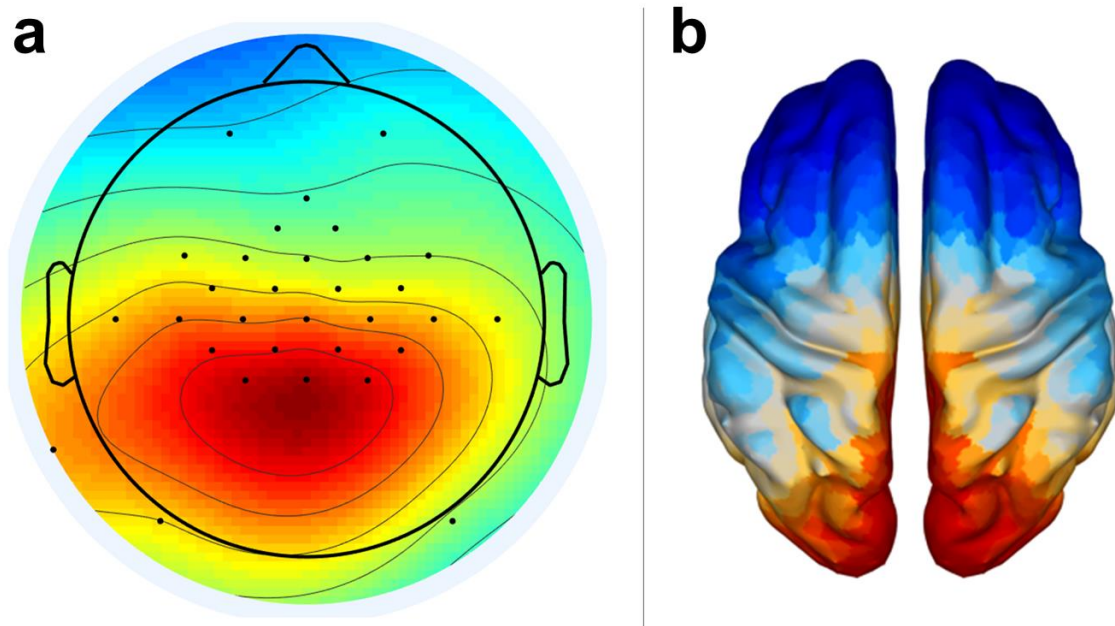
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29 **Supplementary section**

30 **Figure S1 - CMC spectra overview.** Illustrated are grand-averaged CMC spectra with
31 individual CMC spectra indicated through transparent lines. Only CMC values deemed
32 significant after permutation are illustrated. Columns represent movement periods:
33 ECC (blue), ISO (red) and CON (gray), rows indicate muscles.



35 **Figure S2 - Source - localization of simulated data.** (A) Scalp topography and (B)
36 corresponding source-localization results of simulated EEG sources located in the
37 visual cortex coupled with an EMG source. Electrode positions correspond to those
38 used during all measurements. We used EEGLAB⁸³ to create scalp plots in section
39 (A) and the MATLAB toolbox METH by Guido Nolte
40 ([https://www.uke.de/english/departments-institutes/institutes/neurophysiology-and-](https://www.uke.de/english/departments-institutes/institutes/neurophysiology-and-pathophysiology/research/research-groups/index.html)
41 [pathophysiology/research/research-groups/index.html](https://www.uke.de/english/departments-institutes/institutes/neurophysiology-and-pathophysiology/research/research-groups/index.html)) to illustrate source localization
42 results in section (B).



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45 **Figure S3 - Overview of EMG activity per muscle and period.** EMG bursts (40 per period) were averaged across muscles, epochs
46 and participants. Each column represents different movement periods: ECC (blue), ISO (red) and CON (gray). Each row represents
47 distinct muscles with labels next to each burst. Please note different scaling between muscles.
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