

Localizing visual motion area FST in human

Puti Wen¹, Rania Ezzo¹, Michael S. Landy², Bas Rokers^{1,2}

1. Psychology, New York University Abu Dhabi. 2. Psychology and Center for Neural Science, New York University

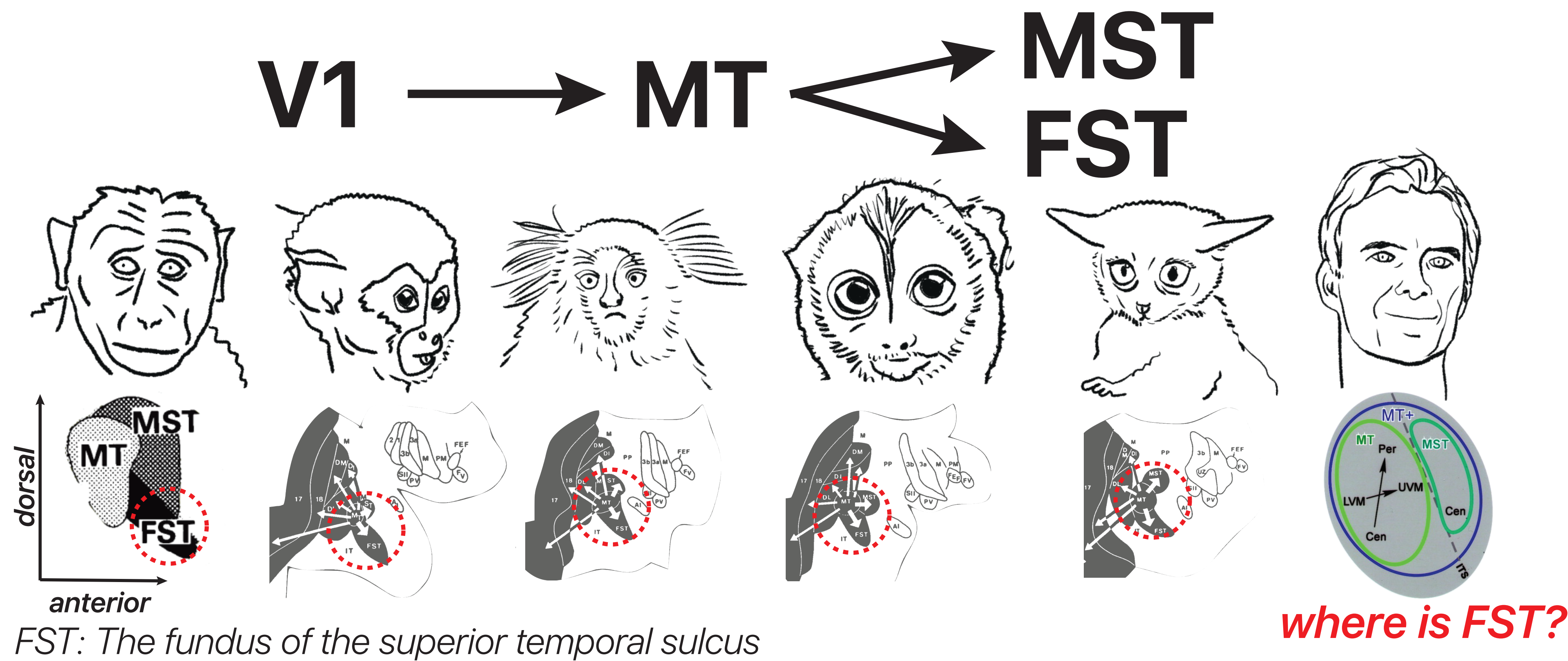


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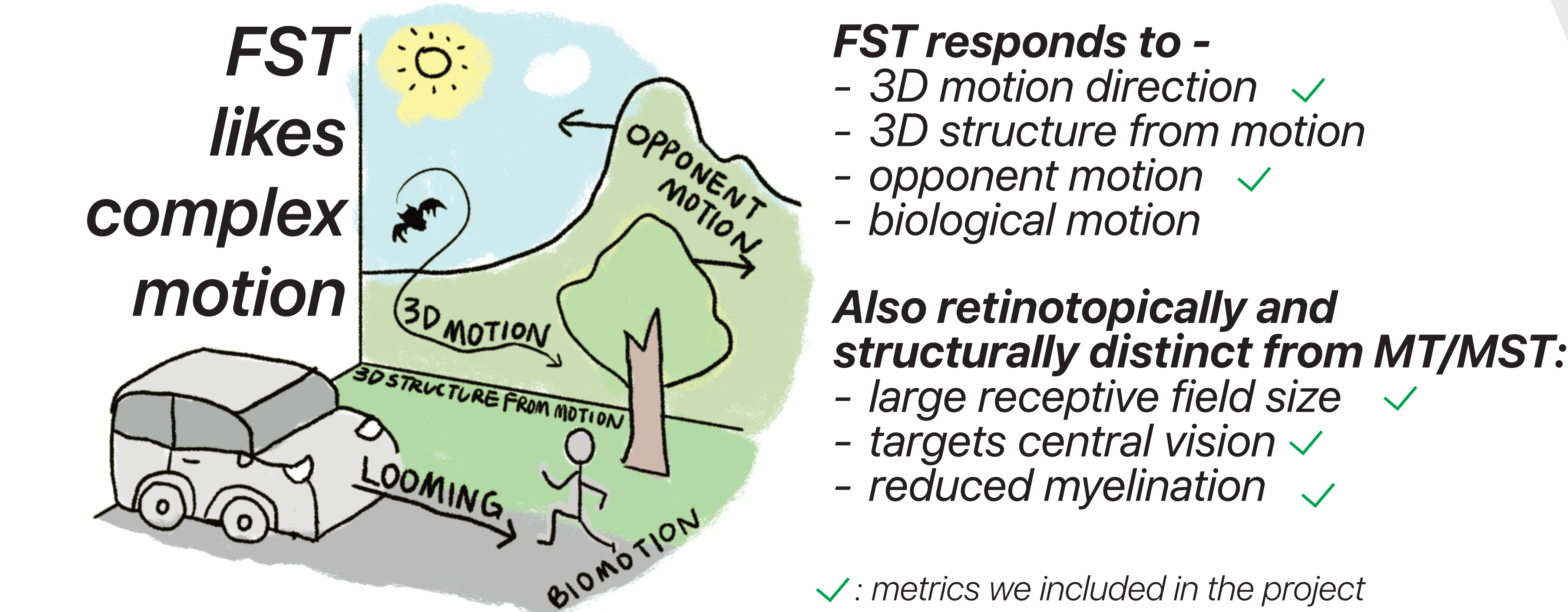
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FST: Evident in non-human primates

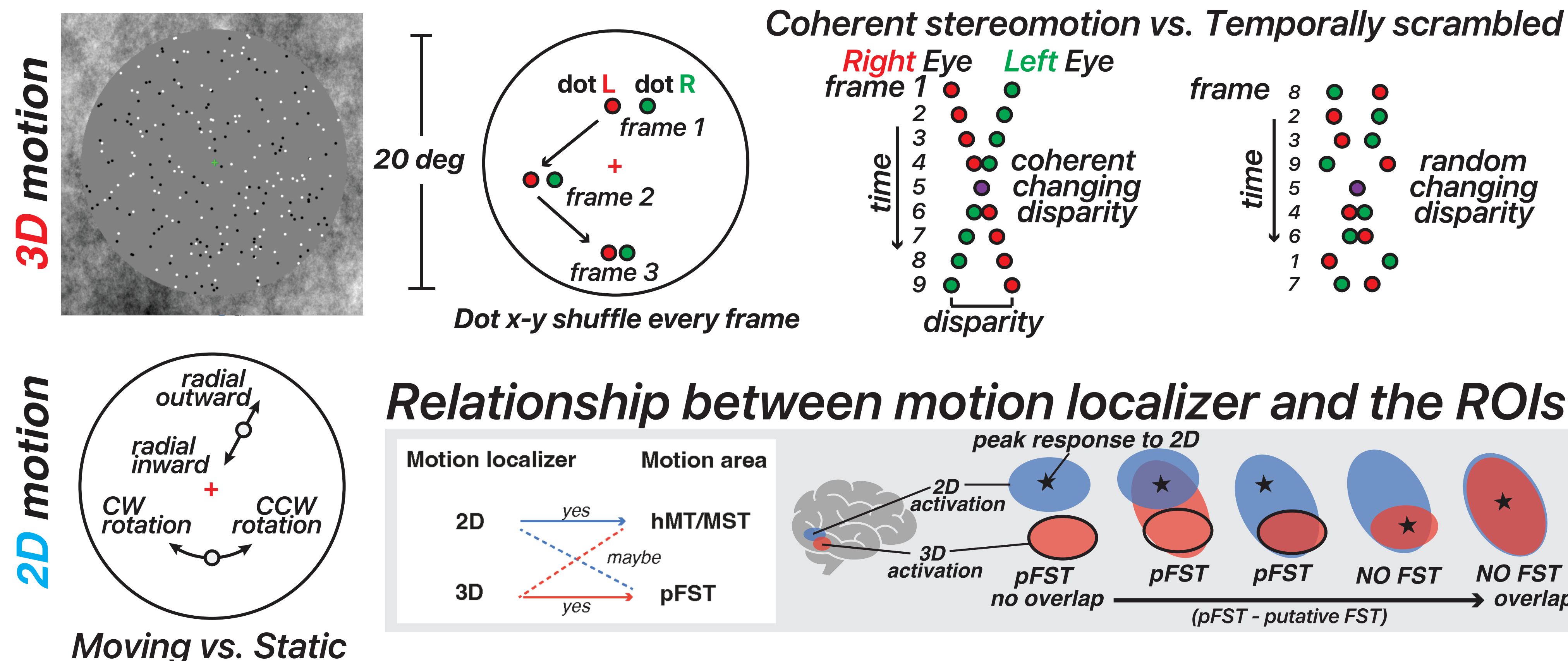
We want to find the human homolog



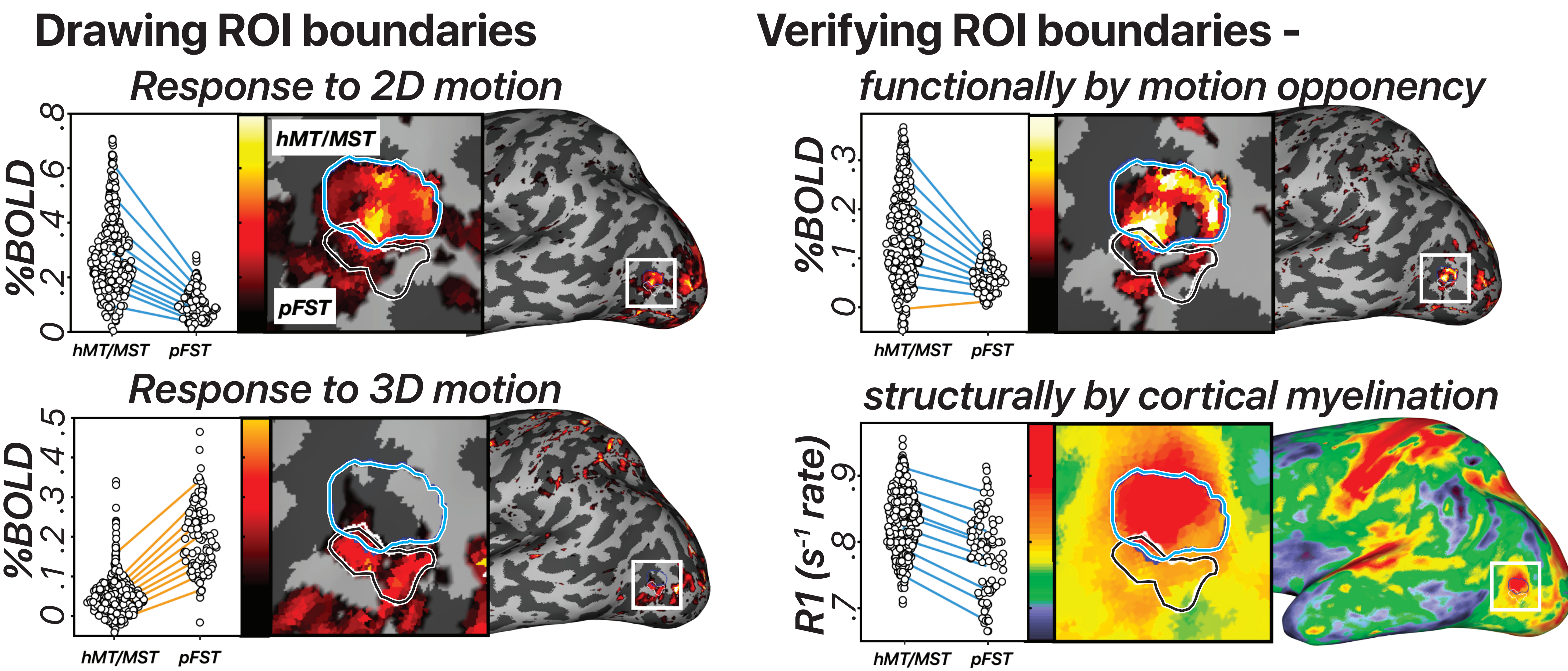
FST is distinct from MT/MST



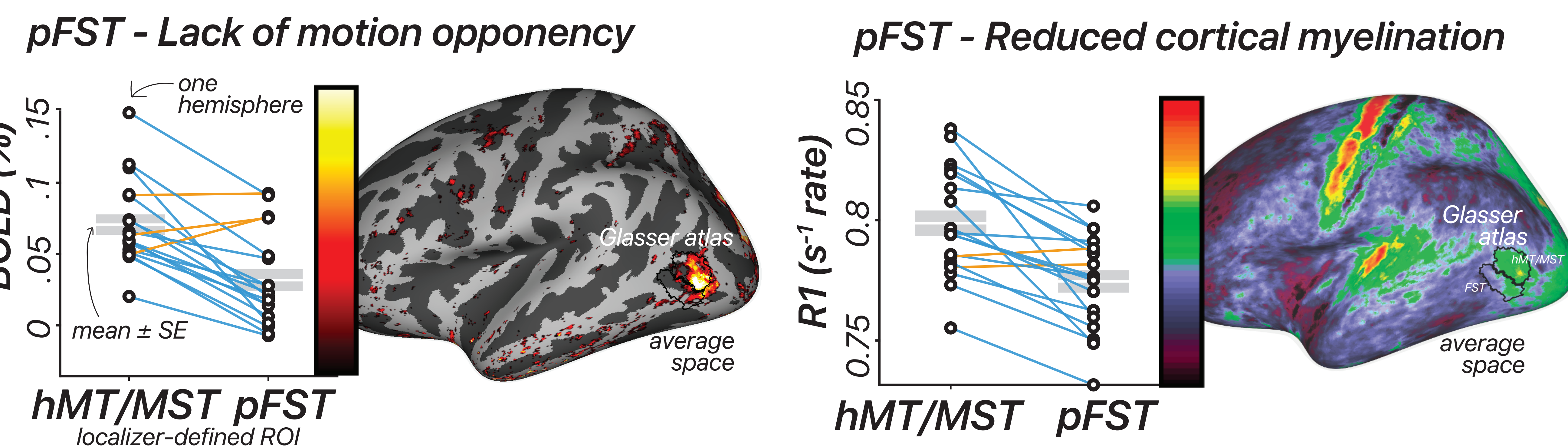
Localizer: contrasting 2D/3D motion



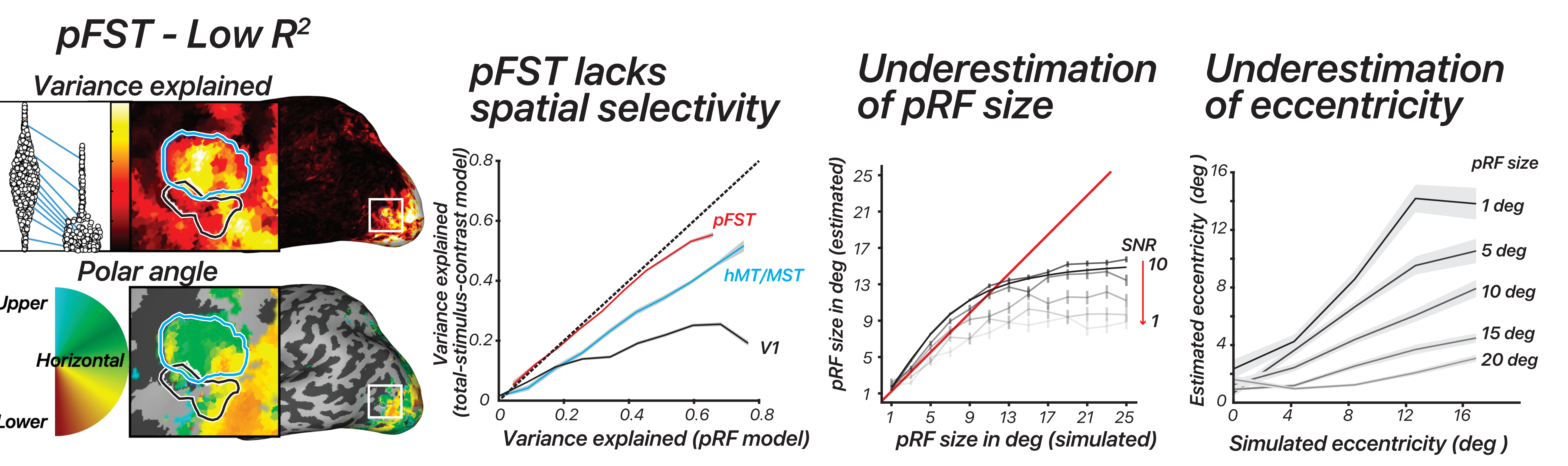
Mapping and validating hMT/MST and putative FST



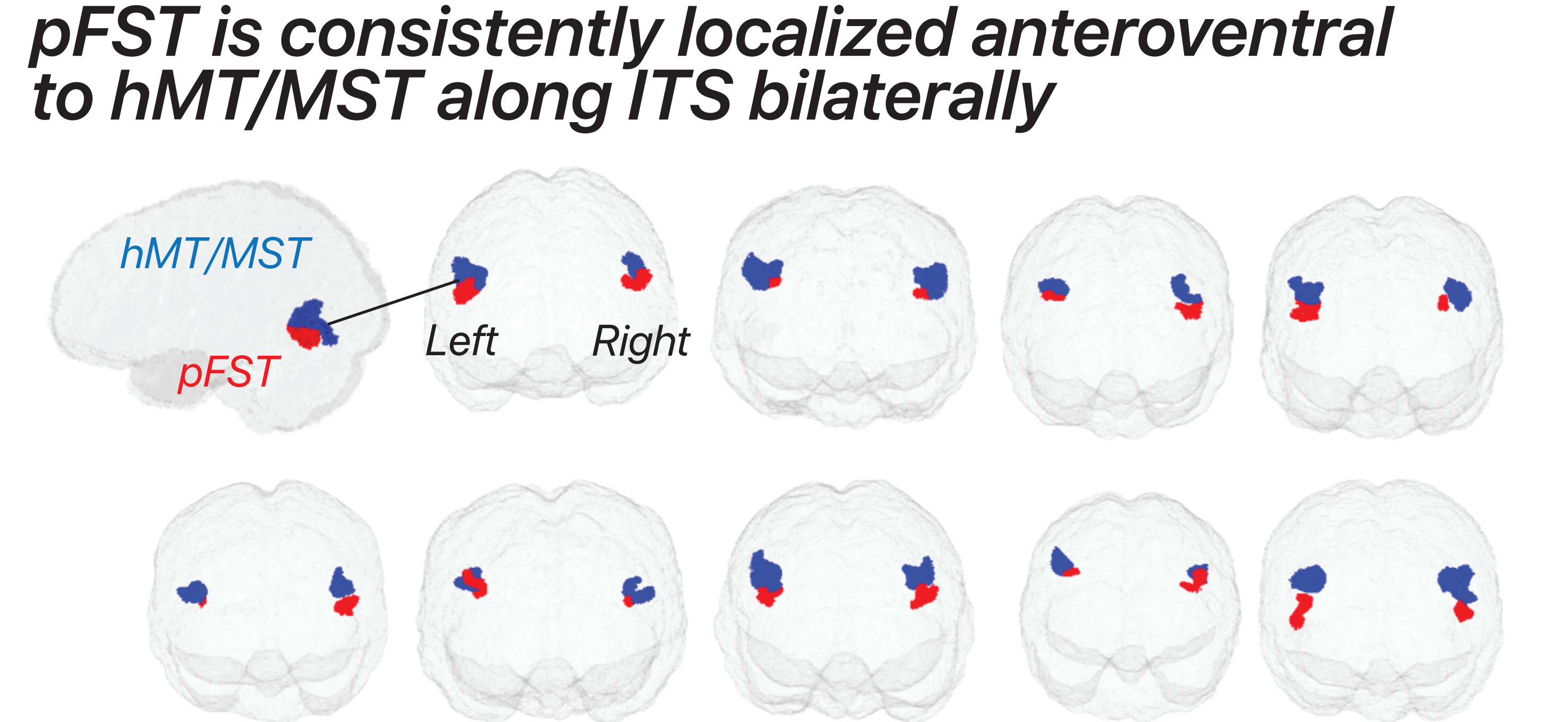
Group results: validating pFST across 18 hemispheres



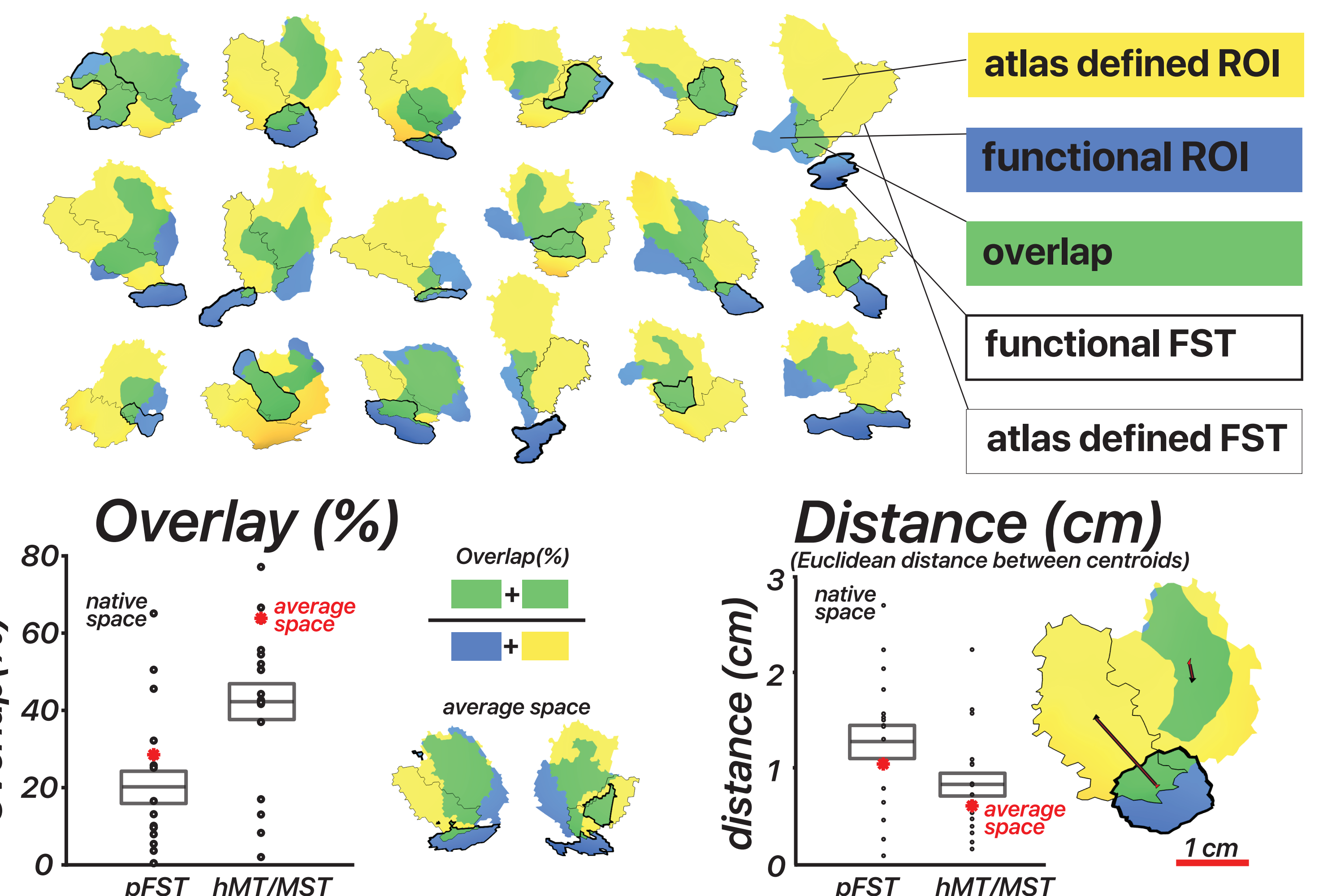
pRF is poorly suited to identifying FST-like areas (areas with large pRFs)



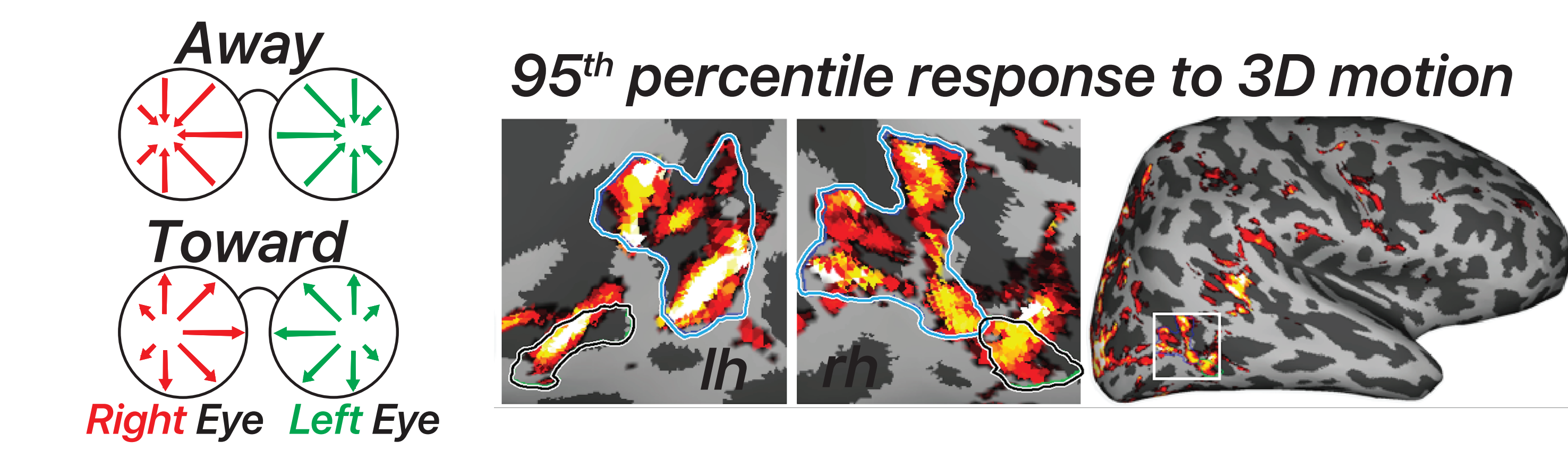
Location of pFST in relation to hMT/MST



Functional- and atlas-defined ROIs



Generalizability to full 3D Motion



Conclusion: The 3D motion localizer isolates putative human FST, which closely resembles macaque FST and exhibits distinct differences from the well-established neighboring areas, hMT and MST.

We would like to express our gratitude to Ari Rosenberg and Lowell Thompson, whose research forms the foundation upon which this project is built.

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