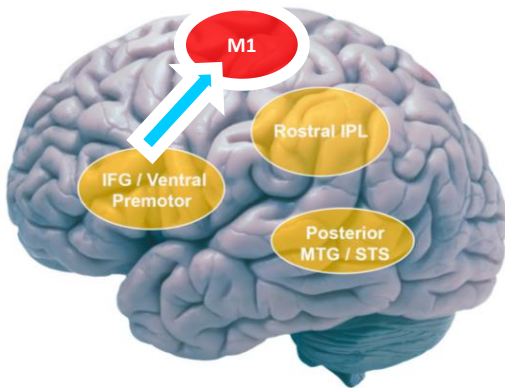
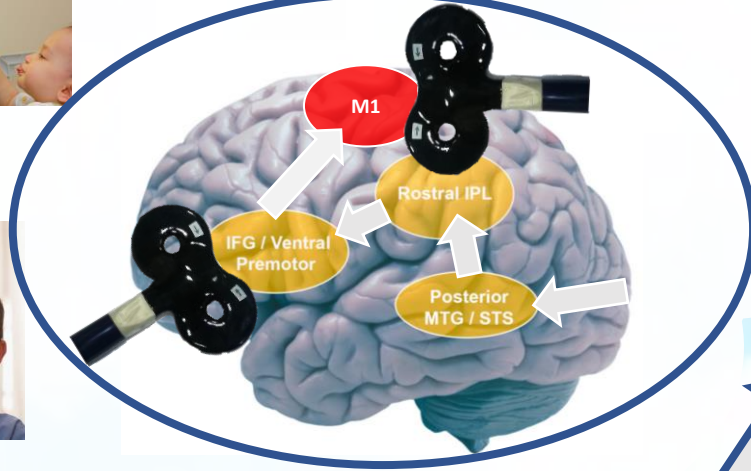


Boosting and hindering action imitation by modulating spike-timing-dependent plasticity (Grant 304/22)

Alessio Avenanti

Action Observation Network (AON)

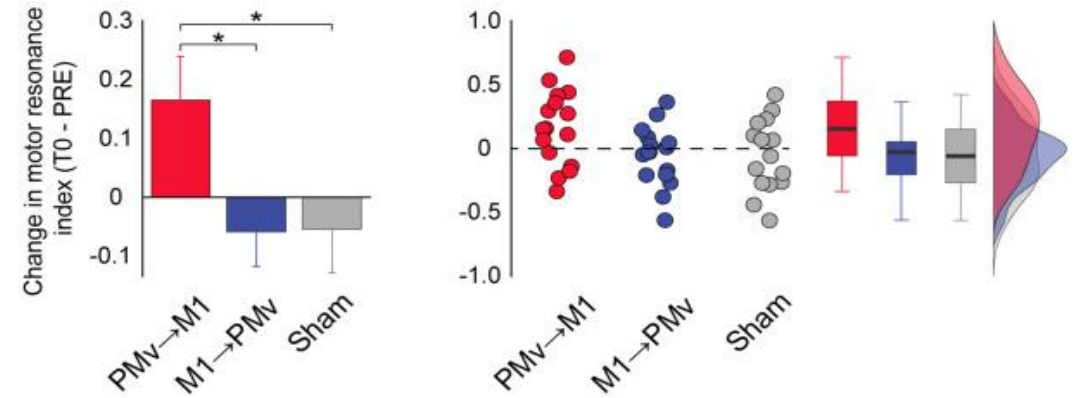


Conclusions:

Connections from AON to M1 are malleable and causally essential to automatic imitation

Boosting these connections increases automatic imitation

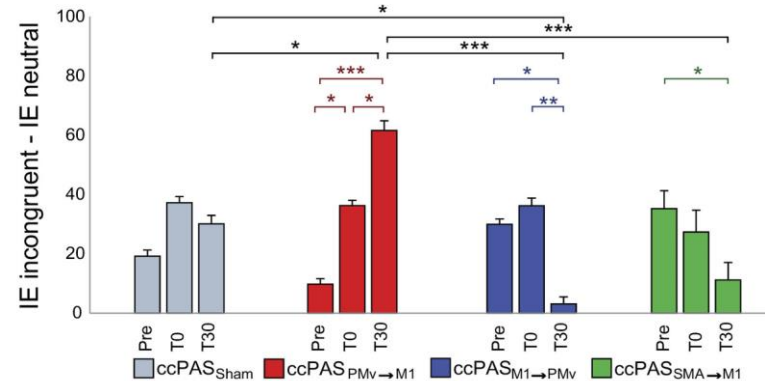
PMv-M1 ccPAS enhances motor resonance



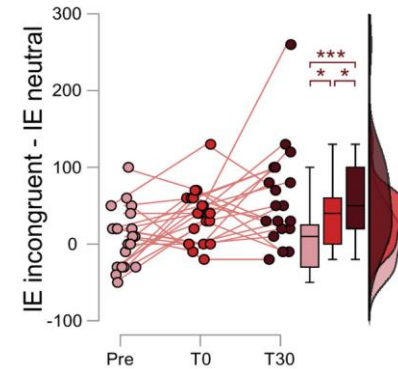
Chiappini et al. 2024 Brain Stimulation

PMv-M1 ccPAS enhances automatic imitation

A Interference Index - Number Task



B ccPAS_{PMv→M1} group



Turrini et al. 2024 PNAS