



Visuomotor <u>Tracking skills and Cortical plasticity – Exercise induced</u> interference effects - TraCE

Responsible Scientists: Jacopo Cristini, Fei-Hsin Cheng, Philipp Wanner Senior Scientist: PD Dr. Simon Steib Associated researchers/ clinicians: -Funding: -

External partners: -





Steib, S., Cristini, J., Wanner, P., & Cheng, F. (2019, August 27). FaMoS-III. Retrieved from osf.io/z9w6v





Background & aims

- Several studies suggest that a bout of acute aerobic exercise enhances motor memory formation (Roig et al., 2016)
- Recent data from our lab (FaMoS-I) indicates that interference may occur if exercise involves the same muscle groups as the motor task to be practiced (Wanner et al., *under review*)
- **Aim:** To investigate whether high intensity interval training (HIIT), performed immediately prior to practicing a motor skill, causes interference with motor memory formation





Visuomotor tracking task













Methods

