

ONLINE 2020 SENSORIMOTOR MEETING

Thursday 10 December 2020 (via zoom)

PROGRAMME:

PLEASE NOTE: 15 minute presentation slots include 10 minutes for the talk and 5 minutes for questions

| | | |
|---------------------|--|---|
| POST DOCS | SESSION CHAIR | Simon GANDEVIA <i>NeuRA (Neuroscience Research Australia), Sydney Australia</i> |
| 12:25pm | Simon GANDEVIA | Opening Remarks Introduction to SESSION 1 |
| 12:30-12:45 | Gregory PEARCEY <i>Northwestern University, Chicago, USA</i> | Antagonist tendon vibration dampens estimates of persistent inward currents in motor units of the human lower limb |
| 12:45-1:00pm | L Eduardo COFRÉ LIZAMA <i>University of Melbourne Australia</i> | Sensitivity of a measure of gait stability in patients with multiple sclerosis at very early stages |
| 1:00-1:15pm | Keonyoung OH <i>Shirley Ryan Ability Lab, Chicago USA</i> | Impact of sensory deficits on arm reaching performance with novel loads after stroke |
| 1:15-1:30pm | Christopher LATELLA <i>Edith Cowan University, Perth, Australia</i> | Corticospinal excitability but not intracortical facilitation or inhibition is modulated with Fatigue-induced firing of quadriceps group III/IV afferents |
| 1:30-1:45pm | Alastair LOUTIT <i>NeuRA (Neuroscience Research Australia), Sydney Australia</i> | Human SA-II afferents innervating the fingertip show superior torque sensitivity to other tactile afferent types |
| 1:45-2:00pm | An NGUYEN <i>Curtin University, Perth Australia</i> | Is the amplitude of the error-related negativity associated with the force of an incorrect motor response? |
| 2:00-2:15pm | Harrison FINN <i>NeuRA (Neuroscience Research Australia), Sydney Australia</i> | The effect of acute intermittent hypoxia on human limb motoneurone output |
| 2:15-2:40pm | Break | Break |
| PHD STUDENTS | SESSION CHAIR | Janet TAYLOR <i>Edith Cowan University, Perth Australia</i> |
| 2:40-2:45pm | Janet TAYLOR | Introduction to SESSION 2 |
| 2:45-3:00pm | Isabella EPIU <i>NeuRA (Neuroscience Research Australia), Sydney Australia</i> | Inspiratory muscle reflexes in chronic obstructive pulmonary disease |
| 3:00-3:15pm | Taimoor AFZAL <i>Northwestern University, Chicago, USA</i> | Relationship between motor-unit size and recruitment threshold in the biceps brachii muscle in neurologically intact individuals |

| PHD STUDENTS (Cont) | | |
|------------------------|--|---|
| 3:15-3:30pm | Samuele CONTEMORI <i>The University of Queensland, Brisbane, Australia</i> | Express visuomotor responses in humans are modulated by cognitive expectation |
| 3:30-3:45pm | Jacob THORSTENSEN <i>Griffith University, Gold Coast, Australia</i> | 5-HT ₂ receptor antagonism reduces corticospinal-motoneuronal output in humans |
| 3:45-4:00pm | Harry JORDAN <i>The University of Auckland, New Zealand</i> | The modulation of short and long-latency interhemispheric inhibition during bimanually co-ordinated movements. |
| 4:00-4:15pm | Kelly HO <i>The University of Auckland, New Zealand</i> | The modulation of ipsilateral motor evoked potentials in a game-based context |
| 4:15-4:30pm | Daniel MCKEOWN <i>Griffith University, Gold Coast, Australia</i> | Severe acute hypoxia impairs recovery of voluntary activation after a sustained submaximal isometric elbow flexion task |
| 4:30-4:45pm | Aaron MCINNES <i>Curtin University, Perth Australia</i> | Premovement inhibition reflects strategy rather than necessity before movement execution |
| 4:45-5:00pm | Muath SHRAIM <i>The University of Queensland, Australia</i> | The effect of lumbopelvic tilt training on motor cortical mechanisms: A single and paired-pulse TMS study |
| 5:00-5:15pm | Celine MAES <i>KU Leuven, Belgium</i> | PMd GABA levels are associated with the bimanual pole test in young but not older adults |
| 5:15pm | Simon GANDEVIA | Closing remarks |