The 2014 RIO group meeting
Brussels, Belgium
15th and 16th May

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Thursday 15 May 2014

13:00  Conference registration
13:30  Welcome and conference introduction

Session 1. Chair: Martin Edwards

14:00  Eaves, Behmer & Vogt
       Motor imagery during action observation increases primary sensorimotor activity and engages prefrontal regions: a high-density EEG study

14:30  Wrightson, Ross & Smeeton
       Increasing the speed of an observed cyclical action improves exercise performance

15:00  Lebon, Ruffino & Papaxanthis;
       What does transcranial magnetic stimulation reveal about motor imagery and action observation?

15:30  Tea & coffee

Session 2. Chair: Paul Holmes

16:00  Wright & Holmes
       Combined action observation and imagery produces greater corticospinal excitability than observation or imagery alone

16:30  Ruffino, Papaxanthis & Lebon
       Corticospinal inhibition during preparation of motor imagery depends on imagery ability

16:45  Anuar, Cumming, Catton, Edge, Parry & Williams
       The effect of PETTLEP imagery and movement observation on imagery ability

17:00  Callow, Jiang, Mullins & Edwards
       Movement imagery: exploration of neural substrates

17:30  End

18:30  Brussels sightseeing tour
19:30  Dinner (must have registered and pre-paid to attend)
Friday 16 May 2014

09:30 Welcome and conference introduction

Session 3. Chair: Emma Gowen

09:35 Letesson, Struys, Grade & Edwards
Eye contact and observers’ perspective taking ability trigger allocentric action representation during action observation

10:00 Smeeton, Huys & Jacobs
Information picked up from the end effector transfers to allow information pick-up when observing other body regions: Evidence from anticipation skill in tennis

10:25 McCormick & Holmes
The influence of visual perspective on the spatial and temporal parameters of gaze during action observation and motor imagery

10:50 MacIntyre, Moran, Guillot, Collet, Di Rienzo, McAvinue, Campbell, Igou, Vogt, de Vries, Foxxe & Frank
New paradigms and new directions in motor cognition: Eye-tracking as a validation of self-reported imagery experience

11:15 Tea & coffee

Session 4. Chair: Magdalena Ietswaart

11:45 Weibull, Cumming, Cooley, Williams & Burns
Improving exercise imagery

12:00 Frank, Land & Schack
Perceptual-cognitive changes during skill acquisition: The influence of physical and mental practice on performance, mental representation structure, and the quiet eye in golf putting

12:15 Kosteli, Cumming & Williams
Exploring imagery as a technique to promote physical activity in retirement

12:30 Tepper, Feenstra, Boonstra, Otten & de Vries
Recovery of implicit motor imagery ability in the first year after stroke

12:45 Moreau, Landolsi, Gilliaux, Alsamour, Stoquart, Lejeune & Edwards
Development a new diagnosis tool and rehabilitation exercise for patients with hemineglect

13:00 Lunch
**Friday (cont.) 16 May 2014**

**Session 5. Chair: Nichola Callow**

14:00  Brennan, Carroll, McCarron & MacIntyre  
A mixed-methods approach to imagery use among elite athletes: A test of the Motor Imagery Integrative Model in Sport

14:15  Hayes, Dennehy, Callow & Tipper  
Motor fluency evokes emotion: Evidence from action, observation and imagery tasks

14:45  Evans, Taylor, Edwards & Ietswaart  
The role of motor imagery in tool-use perception: neural correlate evidence from neuromodulation and apraxic patients

15:15  Craven & Eaves  
Automatic imitation effects in rhythmical actions are reliant on visual distractor rhythm consistency and are modulated by combined audio-visual distractors

15:30  Tea & coffee

**Session 6. Chair: Daniel Eaves**

16:00  Grade, D'Ursel, Pesenti & Edwards  
Influence of body and action representations in the perception of external space: Evidence from dual task and action observation

16:30  Gowen, Evans & Poliakoff  
The effect of dual tasks on visuomotor priming

17:00  MacIntyre, Moran, Guillot, Collet, Di Rienzo, McAvinue, Campbell, Igou, Vogt, de Vries, Foxe & Frank  
New paradigms and new directions in motor cognition: The role of dual-task methods in elucidating multisensory imagery processes

17:30  Meeting Discussion

18:00  End
The map directions between the UCL metro station ‘Alma’ and the conference location of ‘la salle de la verrière’ at UCL Saint-Luc.

- Get off the metro at Alma
- Go up the stairs / escalator and turn left and walk to the other side of the Alma station (going down the stairs / escalator).
- At the bottom of the escalator, head forward to follow a path past a school to your right. You will see the playground.
- Walk towards the commercial buildings / bars, and turn right. You will see a sign above some doors for the “Cliniques universitaires Saint-Luc”.
- Walk through these doors and go up two floors using the stairs or the lift. At the top level of the building, continue in the same direction, walking into a covered pedestrian bridge leading to a car park.
- Cross the car park and walk into the hospital through some revolving doors.
- Walk through the hospital reception to the second set of revolving doors, and exiting the building.
- The conference location of ‘la salle de la verrière’ is the black building on the left side as you exit the hospital.
- We will add signs to facilitate your finding of the conference
- If you have a problem, telephone Martin Edwards 0032 479630366