



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

**UCL**  
Université  
catholique  
de Louvain



Cliniques universitaires  
**SAINT-LUC**  
UCL BRUXELLES

Un hôpital  
pour la Vie

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**MedCaT**  
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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, Foxe & 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**

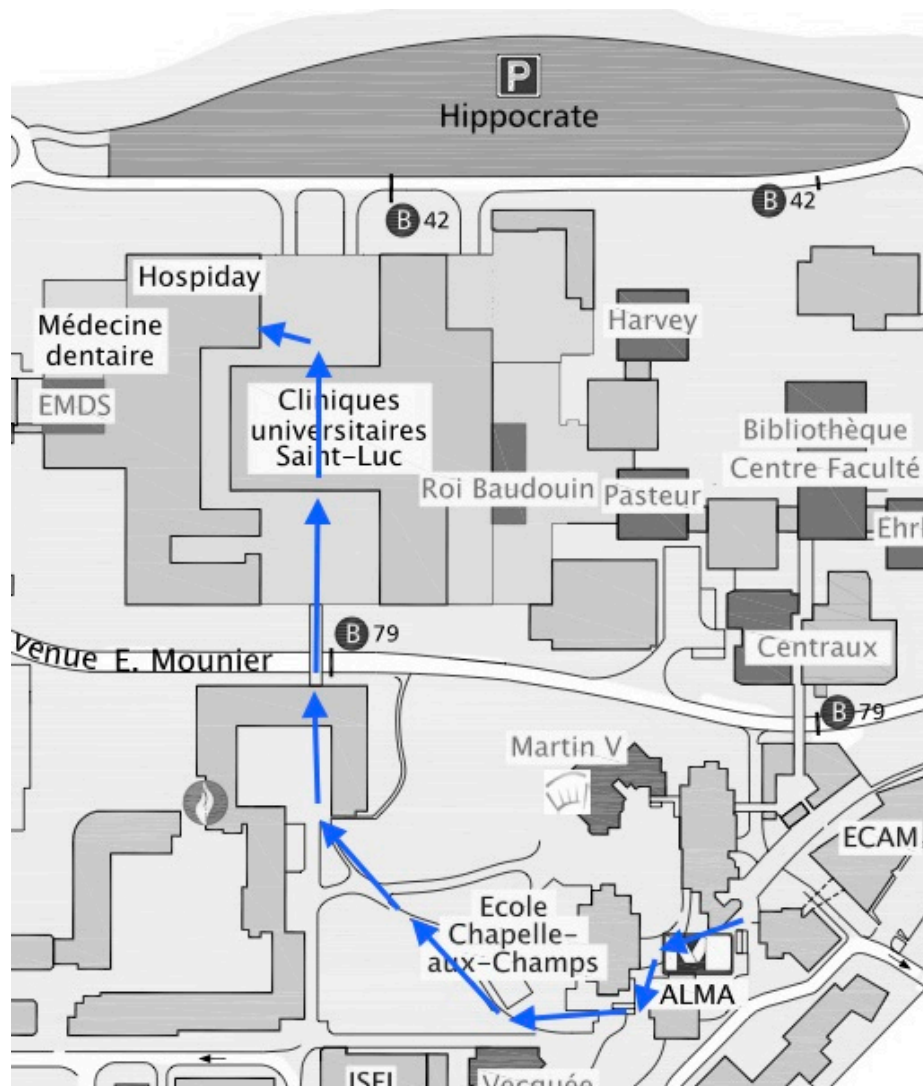
### *Session 5. Chair: Nichola Callow*

- 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*