

RIO

group



Liverpool Hope University, UK

16th-17th May 2024

Conference Programme

Thursday 16th May 2024

9.30am Welcome and house keeping

9.45am **Motor imagery abilities in individuals who experience aphantasia**

Maaïke Esselaar, Manchester Metropolitan University

Gaze into motion: Exploring visual and kinesthetic imagery bonds

Matt Scott, University of British Columbia

Mental rotation of real and prosthetic hands

Samantha Dodds, University of Manchester

10.45am Tea/Coffee break

11.00am Poster session

11.30am **Choosing a side: Evidence for the effector-dependence of motor imagery from a bilateral transfer task**

Austin Hurst, Dalhousie University

The modulating role of arousal in perception of action in autistic children

Mohammad Saber Sotoodeh, University of Sussex

Watch me do it: A movement demonstration video library to support motor learning in dyspraxic children

David Wright, Manchester Metropolitan University

12.30pm Lunch – to be purchased from campus by the delegates

1.30pm

Guest Speaker: Dr Ellen Poliakoff, University of Manchester

Imagery in action in people with Parkinson's

2.30pm

Chronometry of gait imagery: Does position matter?

Amit Abraham, Ariel University

Acute stress does not influence the ability to imagine movement of varying complexity

Sara Trapero Asenjo, University of Alcalá

3.10pm

Tea/Coffee break and posters

3.50pm

Investigating action perception, imagery and execution in autistic and non-autistic adults

Ying Bai, University of Manchester

Unlike physical practice, motor imagery cannot update internal models

Juliet Rowe, Dalhousie University

The influence of motor imagery on kinematics in dance for Parkinson's disease

Judith Bek, University College Dublin & University of Toronto

Identifying the active ingredients of, and individual differences in response to, combined action observation and motor imagery interventions targeting motor impairment and rehabilitation in people with stroke: A systematic review with meta analysis

Dan Lin, Teesside University, Newcastle University

What factors affect motor imagery vividness in Parkinson's?

Charlotte Growcott, University of Manchester

5.30pm

Close

7.00pm

Drinks and evening meal, Eden Arbour Room, Liverpool Hope University

Friday 17th May 2024

9.00am **The commission and correction of errors drives learning in motor imagery comparable to physical execution.**

Theresa Gaughan, Dalhousie University

Do response modes affect the Hand Laterality Judgement task?

Comparing three different types of manual response

Marcos Moreno-Verdú, UCLouvain

Exploring changes in brain activity and movement execution for single leg sit-to-stand movements after combined action observation and motor imagery training.

Ashika Chembila Valappil, University of Roehampton

10.00am Tea/Coffee break

10.20am Poster session

10.50am **Multisensory approach in imagery: A meta-analytic comparison**

Elise Van Caenegem, UCLouvain

The effect of observational and physical experience on mirror neuron activation in Autistic children

Mohammad Saber Sotoodeh, University of Sussex

Motor imagery in Autism: A systematic review

Emma Gowen, University of Manchester

Lost in translation: does stimulation over the inferior parietal lobe disrupt transformation or generation of motor images?

Alisha Davis University of British Columbia

Contrasting physical practice and AOMI practice in surgical skills: A pilot study

Stefan Vogt, Lancaster University

- 12.30pm Lunch – to be purchased from campus by the delegates
- 1.30pm **Guest Speaker: Dr Sarah Kraeutner, The University of British Columbia**
**A multi-modal approach to understanding motor imagery:
implications for motor (re)learning in health and after stroke**
- 2.30pm **Exploring the influence of self vs other avatar modeling on the
effectiveness of combined action observation and motor imagery
interventions for motor learning in sport.**
Samantha Chye, University of Roehampton
- 2.50pm Tea/Coffee break and posters
- 3.10pm **The effects of combined action observation and motor imagery
training on skill acquisition: A systematic review and meta-analysis**
Jack Binks, Newcastle University
- Investigating the effects of mindfulness & imagery combined on
vividness, stress responses and performance**
Stephanie Romano-Smith, Staffordshire University
- 3.50pm Group discussion / Future directions
- 4.20pm Awards and closing remarks
- 4.30pm Close

Poster session: Thursday 16th / Friday 17th May 2024

1. **Exploring corticospinal excitability through combined motor imagery and action observation versus action observation.**
Yassamin Lange, Technical University of Munich
2. **Investigating the relationship between dissociative experiences, trauma, and motor imagery in a non-clinical population.**
Jasmine Abbott, University of Manchester
3. **Does imagery represent the spatial characteristics of movement? I.–Between-trial trajectory priming in motor imagery.**
James Roberts, Liverpool John Moores University
4. **Does imagery represent the spatial characteristics of movement? II. – Within-trial trajectory priming in motor imagery**
James Roberts, Liverpool John Moores University
5. **Gender influences on motor performance and learning in paired practice.**
Judith Bek, University College Dublin & University of Toronto
6. **Virtually fall-free: Delivering virtual reality-based action simulation training to reduce fall risk in community-dwelling older adults at high risk of falling.**
Neza Grilc, Brunel University London
7. **Investigating the perception of speed and vitality form in autistic and non-autistic adults.**
Ying Bai, University of Manchester
8. **Investigating the effect of rhythmic complexity on motor imagery evoked by listening to music.**
George Arthur, University of Manchester

9. **Observation of biological compared to non-biological stimuli: the effect of perspective and spatial congruence.**
Baptiste M Waltzing, UCLouvain

10. **Using motor imagery education for people with Parkinson's to encourage use in daily life: A pilot feasibility study.**
Charlotte Growcott & Sharika Bhan, University of Manchester

11. **The imagined chicken and egg problem: Does MI ability (engagement) change with practice?**
Matthew Scott, University of British Columbia

12. **Development of an objective, normed, and easy-to-use test battery for action imagery ability.**
Carla Czilczer, University of Innsbruck

13. **Applied skill acquisition approaches in imagery: How far can the functional equivalence go?**
Maxime Ansell, Liverpool Hope University

14. **Perceptual judgements under temporal visual constraints in table tennis**
X Li, Durham University