

ESAN

**Expertise and Skill
Acquisition Network**

10th meeting of Expertise and Skill Acquisition Network

Manchester Metropolitan University, Institute of Sport, Manchester, UK

Wednesday 17th May 2023

12:00-13:00: **Arrival and registration**

13:00-13:05: **Introduction (Nick Smeeton, University of Brighton and Chair of ESAN)**

13:05-14:00: **Keynote speaker: Dr. Philip Furley (German Sport University Cologne)**

Keynote title: Sports expertise and executive function

14:00-14:15: **Questions and discussion**

14.15-14.30: **Break**

14:30-15:45: **Oral presentations 1**

Each presentation is 10 min + 3 min questions.

Presentation 1: Katherine Sparks (University of Birmingham)

Co-author: Christopher Ring (University of Birmingham)

Sport-specific mindfulness interventions: Effects on mindfulness, enjoyment and athletic functioning

Presentation 2: David J. Harris (University of Exeter)

Co-authors: Tom Arthur (University of Exeter), David P. Broadbent (Brunel University), Mark R. Wilson (University of Exeter), Samuel J. Vine (University of Exeter), Oliver R. Runswick (Kings College London)

An active inference account of skilled anticipation in sport

Presentation 3: Marie Simonet (University of Lausanne)

Co-authors: Paolo Ruggeri (University of Lausanne), Etienne Sallard (University of Lausanne), Jérôme Barral (University of Lausanne)

The field of expertise modulates the time course of neural processes associated with inhibitory control in a sport decision-making task

Presentation 4: Harry Ramsey (University of Portsmouth)

Co-authors: Matt Miller-Dicks (University of Portsmouth), Lorraine Hope (University of Portsmouth), Vasu Reddy (University of Portsmouth)

The influence of action sequence and deception on defenders' anticipation and gaze behaviour when facing basketball bounce passes

Presentation 5: Tom Arthur (University of Exeter)

Co-authors: David J. Harris (University of Exeter), Gavin Buckingham (University of Exeter), Mark Brosnan (University of Bath), Mark R. Wilson (University of Exeter), Genevieve Williams (University of Exeter), Samuel J. Vine (University of Exeter)

Understanding sensorimotor difficulties in autism

15.45-16:00 **Break / General Discussion**

16:00-17.15 **Oral presentations 2**

Each presentation is 10 min + 3 min questions.

Presentation 1: Hannah Mortimer (University of Birmingham)

Co-author: Christopher Ring (University of Birmingham), Neil Dallaway (University of Birmingham)

Intermittent brain endurance training improves bodyweight endurance performance

Presentation 2: Adam L. Kelly (Birmingham City University)

Co-author: Thomas Brown (Birmingham City University/ Warwickshire County Cricket Club), Rob Reed (Corsham Cricket Club), Jean Côté (Queen's University), Jennifer Turnnidge (Queen's University)

Relative age effects in male cricket: A personal assets approach to explain immediate, short-term, and long-term developmental outcomes

Presentation 3: James Hodgetts (Bangor University)

Co-author: Andrew Cooke (Bangor University), Germano Gallicchio (Bangor University)

Effects of personality and executive function on feedback-based learning

Presentation 4: Matthew W. Scott (University of British Columbia)

Co-authors: Jonathan Howard (University of British Columbia), Aneesha Mehta (University of British Columbia), April Karlinsky (California State University), Tim Welsh (University of Toronto), Nicola J. Hodges (University of British Columbia)

Evidence of co-representation of a partner's task in golf putting practice; but no learning benefits or costs

Presentation 5: Dave Bright (University of Chichester)

Co-authors: Oliver R. Runswick (Kings College London), Jenny Smith (University of Chichester), Philip Kearney (University of Limerick)

A comparison of the effects of autonomy and cognitive effort during the learning of a novel motor skill

17.15-17.30 **Break / General Discussion**

17.30-18.30 **Evening posters** and refreshments**

19.30 **Social:** [Refuge](#), Oxford Street, Manchester.

Thursday 18th May 2023

9:30-9:55: **Arrival**

10:00-10:05: **Introduction: Nick Smeeton (University of Brighton and Chair of ESAN)**

10:05-11:00: **Keynote speaker: Prof. Nikki Hodges (University of British Columbia)**

Keynote title: Embracing discomfort on the skill acquisition path in practice and in research

11:00-11:15 **Break: Tea and coffee**

11:15-12:30: **Symposium:**

Title: Talent identification and development in female sport

Each presentation is 15 mins + 5 min questions

Presentation 1: Matthew Andrew (Manchester Metropolitan University)

Talent identification of youth female soccer players in the United States: Assessing the current landscape

Presentation 2: Sam Alder (Manchester Metropolitan University)

The macro- and micro-structure of practice of youth elite female soccer players in England

Presentation 3: James Feist (University of Chichester)

Co-authors: Naomi Datson (Kings College London), Oliver R. Runswick (Kings College London), Alice Harkness-Armstrong (University of Chichester), Chris Pocock (University of Chichester)

Visual exploratory activity in elite women's soccer: An analysis of the UEFA Women's European Championships 2022

Presentation 4: Alexandra Lascu (University of Canberra)

Co-authors: Wayne Spratford (University of Canberra), David B. Pyne (University of Canberra), Naroa Etxebarria (University of Canberra)

'Train how you play': Representative learning design for amateur athletes

12.30-13.00 **General Discussion** (including keynote)

13:00-14:30: **Lunch, Posters** and Networking plus Tea/Coffee**

14:30-15:45: ***Plenary Session Discussion***

Title: The future of skill acquisition in UK sport

Each presentation is 10 min + 45 min discussion at end

Presentation 1: Paul R. Ford (St Mary's University London)

Skill acquisition in the UK

Presentation 2: Oliver R. Runswick (Kings College London)

The British Association of Sport and Exercise Sciences (BASES) - Skill Acquisition
Special Interest Group

Presentation 3: Danny Powell (Manchester Metropolitan University)

Skill acquisition in elite level swimming: A multiple case studies approach to bridging the
gap between scientific research and applied practice

General Discussion

15:45-16:00: **Conference closing statement and awards**

**** Posters:**

Poster	Title	Authors
1	Motor imagery and interoception sensibility in musicians: An exploration of pianists' motor imagery and interoceptive skills	Delfin Tursin., Martina Gandola., Naomi Tistarelli., Federica Boschetti and Gabriella Bottini
2	Action Observation in individuals with chronic back pain	Esselaar, M.W., Holmes, P., Wright, D., Marshall, B., Smith, D, Franklin, Z.
3	Reducing grip uncertainty when first learning to use a prosthetic hand facilitates performance and visuomotor control	Mohamed Omar Mohamed, Greg Wood, David J. Wright, Johnny Parr
4	An online investigation of the visual and motor influences on action prediction of a volleyball set action	Michael Dhaliwal, Matthew Krueger, Christian Vater, Nicola J Hodges
5	Pattern recognition in soccer: Perceptions of skilled players and experienced coaches	James Feist, Oliver R. Runswick, Ed Hope, Jamie S. North, & Chris Pocock
6	Coaches' self-perceptions on the development of synergy in team sports	Kabir Bubna
7	An evaluation of the impact of the Irish Rugby Football Union Coach Education Framework on the coach-athlete dyad across the age and stage spectrum in rugby union	Kevin Smith, Con Burns, Cian O'Neill, Noreen Quinn, Nick Winkelman, Matthew Wilkie, Edward K. Coughlan
8	Fair starts for all: Exploring multisensory reaction times in deaf and hearing populations to develop a novel athletics standardised starting system	Libby Steele, Dr Gavin Lawrence, Dr Vicky Gottwald
9	The relationship between conscious movement control and monitoring and inhibition of golf putting	Yihong You, John van der Kamp
10	Motor imagery and interoception in the musical brain: A holistic understanding on how professional piano players use the mental imagery and interoceptive skills	Delfin Tursin., Martina Gandola., Naomi Tistarelli., Federica Boschetti and Gabriella Bottini.
11	Feasibility of Parkour-style training in team sport practice: A Delphi study	Ben William Strafford ¹ , Keith Davids ¹ , Jamie Stephen North ² , and Joseph Antony Stone ¹
12	Conscious or Unconscious? A neurophysiological examination of explicit and implicit motor learning	Eduardo Bellomo, Andrew Cooke, Germano Gallicchio, Christopher Ring, James Hardy
13	Effects of neurofeedback training on frontal midline theta power, shooting performance and attentional focus in experienced biathletes	Thomas Toolis, Andrew Cooke, Marko Laaksonen, Kerry McGawley
14	The effect of rugby-specific physiological load on anticipation of genuine and deceptive cutting actions	Colm P. Murphy, Stefan C. Pagliarini, Robin C. Jackson

15	Examining golf putting performance in representative environments using the Zen Greenstage	Dr. Joseph Stone, Dr. Ben Strafford, Dr. Laura Carey, Mr. Nick Middleton, Mr. Will Stubbs
16	Movement kinematic and postural control differences when performing a visuomotor skill in real and virtual environments	Brock, K., Vine, S.J., Ross, J.M., Trevarthen, M., Harris, D.J.
17	Construct validity of 360-video to capture anticipation performance in international Pathway Cricketers	Oliver R. Runswick
18	Perceptions of presence and effort in international pathway cricketers using 360-video and virtual reality	Oliver R. Runswick
19	Developmental activities in women's international pathway cricket	Oliver R Runswick, Di Lewis
20	Are you up for the challenge? Age trends of challenge in practice across female youth soccer athletes	Carrie M. Peters, David T. Hendry, Nicola J. Hodges
21	Gender differences in soccer penalty goalkeeping	Ran Zheng, John van der Kamp, Xinyong Song, Geert Savelsbergh
22	Relative Age Effects in international rugby union: Consequences of changing the cut-off date and exploring youth to senior transitions	Adam L. Kelly, Daniel Jackson, Donald Barrell, Kate Burke, and Joseph Baker
23	Player development pathways in Gaelic football	Philip Kearney
24	A comparison of in-person versus video-recorded player assessment by English category one football academy scouts	Robin Owen, Seamus Harvey, Ben Smith, and Ben Jones
25	How does pitch shape manipulation effect opportunities for action in 11-14-year-old grassroots footballers? A Pilot Study.	William Pattison, Eileen Africa, Lucas Guimaraes Ferreira, Michael J. Duncan
26	Investigating the frequency of bilateral skill use and comparing the success between the dominant and non-dominant limbs in the performance of skills in male and female Gaelic football teams.	K Dillon, I. Sherwin, and P. E. Kearney