

SAW 2024 – Seeing and Acting Workshop: Functional and Neural Perspectives

Poster Session 1 — September 27, Friday

1 – Visually guided actions survive bilateral lesions of the occipitotemporal cortex: evidence from behavioural and tractography

Authors: Ana C. Torres Cresto, Marine Keime, Alessandro Vinciarelli, Melvyn A Goodale, Jody C. Culham, Cassandra Sampaio-Baptista, Monika Harvey

2 – Evolutionary approaches for audio-visual associations

Authors: Ana Rodrigues, Amílcar Cardoso, Penousal Machado

3 – Seeing speech: Probing the cerebral mechanisms of Cued Speech perception

Authors: Annahita Sarré, Laurent Cohen

4 – Using ultra-high resolution MRI to uncover the underlying microstructural mechanisms of structural plasticity in blind humans

Authors: Anna-Lena Stroh, Daniel Haenelt, Luke J. Edwards, Fakhreh Movahedian Attar, Kerrin J. Pine, Robert Trampel, Marcin Szwed, Nikolaus Weiskopf

5 – Differential modulation of serial dependence by action perception integration in autism spectrum traits in a dynamic VR task

Authors: Antonella Pomè, Michael Wiesing, Rebecca Süther, Eckart Zimmermann

6 – Does Observing Bodily Movement Contribute to Developing Goal Comprehension?

Authors: Ben-Ami Shlomit, Verma Dhun, Lall Naviya, Ganesh Suma Ralekar Chetan, Gilad-Gutnick Sharon, Sinha Pawan

7 – Touch localization after nerve repair: Longitudinal measures reveal high individual variability

Authors: Benjamin Govier, Martin Weber, Andrew Marshall, Obi Onyekwelu, Louise Booth, Edwin Jesudason, Vivien Lees, Ken Valyear

8 – Functional organisation of sensorimotor regions in people with congenital facial paralysis (Moebius Syndrome)

Authors: Ceren Battal, Emmanuelle Bellot, Benoit Herman, Iqra Shahzad, Moritz Wurm, Olivier Collignon, Gilles Vannuscorps

9 – Can the dimensionality crossing phenomenon partly explain the large sex difference in the mental rotation test?

Authors: Daniela E. Aguilar Ramirez, Stephanie Chu, Claudia L. Gonzalez

10 – Reach adjustment and target selection begin within 80ms

Authors: David Y. Mekhaïel, Melvyn A. Goodale, Brian D. Corneil

11 – Comparing object topography in visual cortex and artificial neural networks

Authors: Davide Cortinovis, Bracci Stefania

12 – Reward as a facet of word meaning

Authors: Doina-Irina Giurgea, Penny M. Pexman, Richard J. Binney

13 – Distributed high-level processing supports the emotional assessment of complex social scenes (human brain and AI)

Authors: Elahe Yargholi, Laurent Mertens, Joost Vennekens, Jan Van den Stock, Hans Op de Beeck

14 – Changes in connectivity between ‘higher order’ perceptual areas in apraxia after stroke

Authors: Elisabeth Rounis Zuo Zhang, Ajay Halai, Gloria Pizzamiglio, Matt Lambon Ralph

15 – Localising touch on the hand: Revealing systematic variations in performance and context-dependent directional biases.

Authors: Elsie Harvey Pearce, Ronan Timircan, Martin Weber, Kenneth Valyear

16 – Investigating the functions underlying short-term memory conjunctive binding through the study of aphantasia

Authors: Emma Delhayé, Pauline Fritz, Charlotte Martial, Christine Bastin

17 – Testing humans and machines on the animate-inanimate distinction for ambiguous visual objects

Authors: Farzad Rostami-Ghahfarokhi, Céline Spriet, Hans Op De Beeck, Jean-Remy Hochmann, Liuba Papeo

18 – Attention to Actions

Authors: Federica Danaj, Lena Gessele, Jens Schwarzbach, Paul Downing, Angelika Lingnau

19 – Connecting the dots: similar visual reading acquisition for Braille or line junctions

Authors: Filippo Cerpelloni, Olivier Collignon, Hans Op de Beeck

20 – Reweighting of Visual Depth Cues through Dynamic Interaction with Conflicting Stimuli

Authors: Francesca Peveri, Andrea Canessa, Silvio P. Sabatini

21 – Does unisensory object categorisation improve following multisensory category training?

Authors: Grace A. Gabriel, Fiona N. Newell

22 – Interactions of Visual and Motor Plasticity in Adults

Authors: Izel D. Sari, Claudia Lunghi

23 – A specialized mental resource for intuitive physics

Authors: Jason Fischer, Alex Mitko

24 – Ultrafast RS fMRI unveils layer-specific feedforward and feedback processes

Authors: Joana Carvalho, Francisca F. Fernandes, Mafalda Valente, Koen Haak, Noam Shemesh

25 – Wiser or More Skeptical? Examining the Impact of Fake News Inoculation on News Perception

Authors: João Pedro Silva Vieira, São Luís Castro, Alessandra S. Souza

26 – Neural Adaptation in Object Recognition: Unveiling Neural Processing Patterns through fMRI

Authors: José Gomes, Daniela Valério, Jorge Almeida, André Peres

27 – Sensory and behavioural tuning along the dorsal pathway

Authors: Junji Ito, Simon Essink, Alexa Riehle, Thomas Brochier, Sonja Grün

SAW 2023 – Seeing and Acting Workshop: Functional and Neural Perspectives

Poster Session 2 — September 28, Saturday

1 – Social Synchrony in the Brain

Authors: Kami Koldewyn, Deyan Mitev, Julia Landsiedel

2 – The perceptual growth spurt: Both haptic and visual body representations are overestimated during childhood

Authors: Lara Coelho, Carolina Tammurello, Claudio Campus, Claudia Gonzalez, Monica Gori

3 – Representational organization of grasping actions across motor execution and imagery

Authors: Laura Marras, Francesca Simonelli, Andrea Leo, Giacomo Handjaras, Emiliano Ricciardi

4 – Pattern of associations across categories in visual recognition

Authors: Laura Soen, Céline Gillebert, Hans Op de Beeck

5 – The Role of Preview Time in the Effect of the Müller-Lyer Illusion on Saccade Amplitude

Authors: Laurie Geers, Karine Doré-Mazars, Michael Andres

6 – Hemispheric lateralization in social perception: an fNIRS study

Authors: Manuel Mello, Jean-Remy Hochmann, Liuba Papeo

7 – A TMS-EEG study investigating the role of neural representations underlying action recognition

Authors: Marius Zimmermann, Angelika Lingnau

8 – Object Affordances Through the Lens of Verb Usage Patterns and Behavioral Experiments

Authors: Maryam Vaziri-Pashkam, Natalia Pallis-Hassani, Aryan Zoroufi, Aida Mirebrahimi, Ka Chun Lam, Francisco Pereira, Chris Baker

9 – The Organization of Action Information Along the Lateral Visual Pathway

Authors: Maximilian Reger, Verena Auserwählt, Angelika Lingnau

10 – Different strategies affecting pantomime performance in apraxia: virtual grasping and tracing of object-pictures

Authors: Michella Barddakan, Claudia C. Schmidt, Nina N. Kleineberg, Gereon R. Fink, Peter H. Weiss

11 – Mu event-related desynchronization of motor manipulation, visual and function properties, in visual tool processing

Authors: Miguel Baião, Daniela Valério, Jorge Almeida, André Peres

12 – Judging Social Interactions: The Impact of Social Responsiveness on Interpersonal Consensus

Authors: Naomi O'Hanlon, Kami Koldewyn, Paul Downing

13 – Does Elaboration Benefit Verbal Memory?

Authors: Nuno D. Sobrinho, São Luís Castro, Alessandra S. Souza

14 – Batalha - Introducing a computerized, gamified, negative mood-induction paradigm

Authors: Nuno S. Gaspar, Marcelo Castro, Alessandra Souza

15 – Contextual effects on neural representations of observed actions

Authors: Oleg Vrabie, Marius Zimmermann, Angelika Lingnau

16 – Social experience makes unique contributions to conceptual knowledge

Authors: Richard J. Binney, Emiko Muraki, Penny M. Pexman

17 – Visual gravitational motion affects the magnitude of the Onset Repulsion Effect

Authors: Rodrigo Freitas, Nuno De Sá Teixeira, Samuel Silva

18 – Validating Virtual Reality as an upper-limb rehabilitation tool: Empirical markers of movement choices reliably extend to VR

Authors: Ronan Timircan, Gavin Buckingham, Giovanni d'Avossa, Helen Fraser, David Cox, Kevin Moss, Karl Jackson, Ken Valyear

19 – Identification of neurobiological markers of team sportmastership

Authors: S. Tukaiev, O. Pravda, J.M.A. Ferreira, M. Makarchuk, A. Popov, S. Fedorchuk

20 – Post-decision modulation of pupil-linked arousal is associated with performance lapses in a visual motion direction discrimination task

Authors: Sara F. Oliveira, Catarina F. Gomes, Maria J. Ribeiro

21 – Automatic Facial Expression Recognition Without Motor Simulation

Authors: Sarah Carneiro Pereira, Jean-François Patri, Gilles Vannuscorps

22 – Sensory attenuation and enhancement for self-generated and temporally predictable sounds

Authors: Saskia Johnen, Eckart Zimmermann

23 – Spatial organization of neural responses to animate and inanimate event dynamics are reflected in functional connectivity

Authors: Seda Karakose-Akbiyik, Alfonso Caramazza

24 – The Impact of Salient Stimuli on Attention: Comparing Shapes and Emotional Pictures

Authors: Sena Biberici, Carola Dolci, Bianca Monachesi, Chiara Della Libera, Vera Ferrari, Leonardo Chelazzi

25 – Binocular depth information modulates category representation in high-level visual cortex

Authors: Tasfia Ahsan, Eva Deligiannis, Karsten B. Babin, Laurie M. Wilcox, Jody C. Culham, Erez Freud

26 – Neural Representations of Perspectival Shapes and Attentional Effects: Evidence from fMRI and MEG

Authors: Yi Lin

27 – Reduced Dissociation between Perception and Action in Individuals with Autism

Authors: Zoha Ahmad, Marissa Hartston, Yarden Mazuz, Tzvi Ganel, Bat-Sheva Hadad, Erez Freud

