

James W.A. Strachan

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Department of Neurology

University Medical Center Hamburg-Eppendorf

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BIOGRAPHY

Humboldt Fellow

Department of Neurology

Universitätsklinikum Hamburg-Eppendorf

2023-2024

MINDED Research Fellow

Cognition, Motion, and Neuroscience Unit

Italian Institute of Technology

2020 - 2022

Postdoctoral Researcher

Social Mind and Body Lab, Department of Cognitive Science

Central European University

2016 - 2020

PhD in Psychology

Professor Steve Tipper (thesis supervisor)

University of York

2013 - 2017

Thesis: Incidental learning of trust from identity-contingent gaze cues: boundaries, extensions and applications

Award date: July 14th 2017

MSc in Cognitive Neuroscience

Professor Andy Young (thesis supervisor)

University of York

2012 - 2013

Thesis: Involvement of the superior temporal sulcus in decoding social signals from faces

BSc in Psychology

University of York

2013 - 2016

FUNDING AND FELLOWSHIPS

Humbolt Research Fellowship for Experienced Researchers

Individual research fellowship by the Alexander von Humboldt Foundation

2023-2024

€57,060

MINDED MSCA-COFUND Fellowship

Research fellowship awarded as part of MSCA-COFUND Action

2020-2022

BA/Leverhulme Small Research Grants [SRG1920-100325; Co-PI]

Learning who to trust: How do we re-affiliate after social exclusion?

2020

£9,929

Wellcome Trust: Centre for Chronic Diseases and Disorders [Co-investigator]

Influencing Facial Trustworthiness in Sleep

2016

£6,988

AWARDS

YuFund, York Alumni Association

Grant for public engagement event Psych!York

£200

2016

Postgraduate Community Fund, York Graduate Student Association (GSA)

Grant for public engagement event Psych!York

£574

2016

International Meeting of the Psychonomic Society, Granada, Spain

Accommodation Award

2016

UK National 3-Minute Thesis Competition

National Semi-Finalist

[URL]

2015

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Curriculum Vitae

JOURNAL ARTICLES

- Charbonneau, M., Curioni, A., McEllin, L., **Strachan, J.**, (2023). “Flexible cultural learning through action coordination”. In: *Perspectives on Psychological Science* 0, pp. 1–22.
- Charbonneau, M., **Strachan, J.**, Winters, J., (2023). “The problem with solutions: Comment on “Blind alleys and fruitful pathways in the comparative study of cultural cognition” by Andrew Whiten”. In: *Physics of Life Reviews* 44, pp. 61–63.
- Charbonneau, M., **Strachan, J.**, (2022). “From Copying to Coordination: An Alternative Framework for Understanding Cultural Learning Mechanisms”. In: *Journal of Cognition and Culture* 22, pp. 451–466.
- Strachan, J.**, Curioni, A., Constable, M., Knoblich, G., Charbonneau, M., (2021). “Evaluating the relative contributions of copying and reconstruction processes in cultural transmission episodes”. In: *PLOS One* 16 (9), e0256901.
- Strachan, J.**, Török, G., (2020). “Efficiency is prioritised over fairness when distributing joint actions”. In: *Acta Psychologica* 210, p. 103158.
- Strachan, J.**, Constable, M., Knoblich, G., (2020). “It Goes With The Territory: Ownership Across Spatial Boundaries”. In: *Journal of Experimental Psychology: Human Perception and Performance* 46 (8), pp. 789–797.
- Strachan, J.**, Guttesen, A., Smith, A., Gaskell, M., Tipper, S., Cairney, S., (2020). “Investigating the formation and consolidation of incidentally learned trust”. In: *Journal of Experimental Psychology: Learning, Memory and Cognition, in press* 46 (4), pp. 684–698.
- Strachan, J.**, Sebanz, N., Knoblich, G., (2019). “The role of emotion in the dyad inversion effect”. In: *PLOS One* 14 (7), e0219185.
- Strachan, J.**, Kirkham, A., Manssuer, L., Over, H., Tipper, S., (2017). “Incidental learning of trust from eye-gaze: Effects of race and facial trustworthiness”. In: *Visual Cognition* 25 (7-8), pp. 802–814.
- Strachan, J.**, Tipper, S., (2017). “Examining the durability of incidentally learned trust from gaze cues”. In: *Quarterly Journal of Experimental Psychology* 70.10, pp. 2060–2075.
- Strachan, J.**, Kirkham, A., Manssuer, L., Tipper, S., (2016). “Incidental learning of trust: Examining the role of emotion and visuomotor fluency”. In: *Journal of Experimental Psychology: Learning, Memory and Cognition* 42, pp. 1759–1773.
- Flack, T., Andrews, T., Hymers, M., Al-Mosaiwi, M., Marsden, S., **Strachan, J.**, Trakulpipat, C., Wang, L., Wu, T., Young, A., (2015). “Responses in the right posterior superior temporal sulcus show a feature-based response to facial expression”. In: *Cortex* 69, pp. 14–23.

BOOK CHAPTERS

- Strachan, J.**, Curioni, A., McEllin, L., (2024). “Flexible Social Learning of Technical Skills: The Case of Action Coordination”. In: *The Evolution of Techniques: Rigidity and Flexibility in Use, Transmission, and Innovation*. Ed. by M. Charbonneau. The Vienna Series in Theoretical Biology, MIT Press. Chap. TBC.
- Strachan, J.**, Knoblich, G., Sebanz, N., (2020). “Skill and Expertise in Joint Action”. In: *The Routledge Handbook of Philosophy of Skill and Expertise*. Ed. by C. Pavese and E. Fridland. Chap. 29.

PREPRINTS AND WORKING MANUSCRIPTS

- Wolohan, F., **Strachan, J.**, (2021). *Testing the assumptions of belonging regulation: Gaze cueing and the learning of trust in excluded individuals*. Registered Report with Stage 1 in principle acceptance at *Cognition & Emotion*.
- Strachan, J.**, Mayo, R., Sebanz, N., (2020). *When thinking about your partner gets in the way: Coordination failures in joint decision-making*. Preprint available from <https://osf.io/szeuw/>.

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Curriculum Vitae

SUPERVISION & TEACHING

Guest Lecturer

November 2019

Eötvös Loránd University (ELTE), Budapest, Hungary

- * **Course:** Introduction to Cognitive Science (1 semester)
- * **Language:** English
- * **Number of students:** 40
- * **Educational level:** MSc in Computational and Cognitive Neuroscience
- * **Role:** Guest lecturer
- * **Teaching form:** Classroom lecturing
- * **Responsibilities:** Creating and delivering an individual lecture on joint attention and communicative gaze; Coordinating with course coordinator on topic and presentation

Guest Lecturer

2018-2019

Budapest University of Technology and Economics (BME), Budapest, Hungary

- * **Course:** Introduction to Social Cognition (1 semester)
- * **Language:** English
- * **Number of students:** 20
- * **Educational level:** MSc in Computational and Cognitive Neuroscience
- * **Role:** Guest lecturer
- * **Teaching form:** Classroom lecturing
- * **Responsibilities:** Creating and delivering an individual lecture on joint attention; Coordinating with course coordinator on topic and presentation

Graduate Teaching Assistant - Tutorial Lead

2013-2016

University of York, York, UK

- * **Course:** Psychology BSc (2 semesters per academic year, 9 1-hour slots per semester)
- * **Topics covered:** Cognitive Psychology; Social Psychology; Developmental Psychology; Perception; Attention; Cognitive Neuroscience; Research Methods; Statistics
- * **Language:** English
- * **Number of students:** 9 groups of c.15 students
- * **Educational level:** Undergraduate
- * **Role:** Teaching assistant
- * **Teaching form:** Seminar groups; Paper discussions; Small-group classroom teaching
- * **Responsibilities:** Leading a seminar group; Leading discussion; Small-group teaching; Seminar development on social cognition and perception; Coordination with course leader to develop learning objectives in line with course content; Training other teaching assistants on seminar content; Refining and revising seminar content

Graduate Teaching Assistant - Examination

2013-2016

University of York, York, UK

- * **Course:** Psychology BSc (2 semesters per academic year)
- * **Language:** English
- * **Number of students:** 30-40
- * **Educational level:** Undergraduate
- * **Role:** Teaching assistant
- * **Teaching form:** Essay and report marking; Student feedback
- * **Responsibilities:** Marking and evaluating student reports; Coordinating with course leader; Providing feedback to course leader on general trends in student performance for course refinement

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Mentorship

2013-2022

University of York; CEU; IIT

- * **Number of Students:** 7 undergraduate students (University of York); 2 postgraduate interns (CEU; IIT); 1 Masters student (CEU/University of Vienna)
- * **Responsibilities:** Mentorship of undergraduate and Masters student projects; Training in research methodology, data analysis, scientific writing, and presentations

TECHNICAL SKILLS

Data collection: Motion capture (Vicon; Polhemus); Reaction time tasks (Python, MATLAB, PsychoPy, EPrime); Online experiments (jsPsych, Prolific)

Data analysis: R; JASP; SPSS

PROFESSIONAL ACTIVITIES

Editorial roles

Journal of Experimental Psychology: Human Perception & Performance

Consulting Editor

Ad-hoc reviewer

Acta Psychologica; Attention, Perception, and Psychophysics; British Journal of Psychology; Cognition; Cognition and Emotion; Cognitive Science; Experimental Psychology; Frontiers in Psychology; iScience; Journal of Archaeological Science; Journal of Experimental Psychology: Human Perception and Performance; Journal of Experimental Social Psychology; Journal of Nonverbal Behaviour; PLOS One; Psychological Science; Psychonomic Bulletin & Review; Quarterly Journal of Experimental Psychology; Scientific Reports; Visual Cognition

Society Memberships

Marie Curie Alumni Association (MCAA)

Member

Since 2022

Department Roles

Early Career Researcher Forum, Ordinary Member

Department of Psychology, University of York

2013-2016

Chair of the Psychology Society

Department of Psychology, University of York

2010-2011

Undergraduate Board of Studies Representative

Department of Psychology, University of York

2009-2012

University Roles

Co-Chair of the LGBT Society

York University Student Union (YUSU), University of York

2010-2011

IMPACT AND ENGAGEMENT

Psych!York

Organising committee for all-day public engagement event staffed by early-career researchers

[URL]

2016

Science and Technology Network Launch

Invited talk at Royal Institution, London

[Video]

2016

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Curriculum Vitae

PUBLIC Seminar	[URL]
<i>Public engagement seminar. Won Audience Favourite prize</i>	2016
Shine School Outreach Program	[Program]
<i>Outreach lecture to Yorkshire schools: Introduction to Psychology</i>	2016
Science is Vital: York Chapter	[National Campaign URL]
<i>Organised and hosted Science Is Vital event as part of national campaign</i>	2015
YorNight Research Café	[URL]
<i>European Researchers Night</i>	2015
York Graduate Research School Launch	
<i>Invited talk at the University of York</i>	2015

CONFERENCE PRESENTATIONS

- Strachan, J., Török, G.,** (Mar. 2022). “Do people choose to be efficient or fair when allocating tasks in a joint action?” Symposium talk at the 64th Tagung experimentell arbeitender Psycholog:innen (TeaP; Conference of Experimental Psychologists).
- Strachan, J., Charbonneau, M., Curioni, A., Constable, M., Knoblich, G.,** (Aug. 2020). “A methodology for distinguishing copying and reconstruction in cultural transmission episodes”. Paper accepted for the 42nd Annual Meeting of the Cognitive Science Society, online July 29-August 1, 2020.
- Strachan, J., Charbonneau, M., Curioni, A., Constable, M., Sperber, D., Knoblich, G.,** (July 2019). “Active cultural transmission: Exploring the role of pedagogy in transmission and learning”. Talk delivered at eighth Joint Action Meeting (JAM VIII) 2019, Genova, Italy.
- Strachan, J., Török, G., Sebanz, N.,** (May 2019). “Investigating the role of fairness in task distribution”. Poster presented at the Dubrovnik Conference on Cognitive Science (DuCog), 2019, Dubrovnik, Croatia.
- Strachan, J., Mayo, R., Sebanz, N.,** (Mar. 2019). “The role of generalised distrust in coordinated decision-making”. Symposium talk delivered at the International Convention of Psychological Science (ICPS) 2019, Paris.
- Strachan, J., Török, G., Sebanz, N.,** (Mar. 2019). “When Being Efficient Is Unfair: Investigating the Role of Fairness in Task Distribution”. Poster presented at the International Convention of Psychological Science (ICPS) 2019, Paris.
- Strachan, J., Constable, M., Knoblich, G.,** (Oct. 2018). “Ownership Effects Across Territory Boundaries.” Poster presented at DisSelf conference and workshop in Porto, Portugal.
- Strachan, J., Torok, G., Sebanz, N.,** (Sept. 2018). “To Be Fair... Investigating the drive towards fairness in task distribution”. Poster presented at Social Cognition in Robots and Humans workshop in Hamburg, Germany.
- Strachan, J., Mayo, R., Sebanz, N.,** (Aug. 2018). “Think For Yourself: When trying to coordinate leads to less efficient coordination strategies than acting individually.” Symposium talk given at meeting of the British Psychological Society Cognitive Section at Liverpool Hope University.
- Strachan, J., Knoblich, G., Sebanz, N.,** (Feb. 2018). “Perceiving dyads as perceptual units”. Poster presented at the inaugural Interactive Eye Gaze Workshop at UCL, London.
- Strachan, J., Knoblich, G., Sebanz, N.,** (July 2017). “Investigating the effect of joint speech on discrimination of truth”. Poster presented at the 8th Joint Action Meeting at Queen Mary University, London.
- Strachan, J., Tipper, S.,** (Aug. 2016). “Incidental learning of trust does not result in distorted memory for the physical features of faces”. Poster presented at the 39th European Conference on Visual Perception in Barcelona.
- Strachan, J., Tipper, S.,** (May 2016). “Effects of Real-World Social Group Status on Incidental Learning of Trust.” Poster presented at International Meeting of the Psychonomic Society, Granada.

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- Strachan, J.**, Tipper, S., (Jan. 2016). “Investigating the Durability of Incidentally Learned Trustworthiness Impressions”. Talk presented at the January meeting of the Experimental Psychology Society, UCL, London.
- Strachan, J.** (Nov. 2015). “Learning to trust: Background learning of social information”. Invited seminar, Wentworth College, University of York.
- Strachan, J.**, Tipper, S., (July 2015). “Incidentally learning of traits from gaze cues generalises to judgements of unrelated stimuli”. Poster presented at Social Cognition Workshop, Bangor University.
- Strachan, J.**, Tipper, S., (May 2015). “Using scalar ratings to track changes in apparent trustworthiness induced by helpful and misleading gaze cues”. Poster presented at Vision Sciences Society Annual Conference, St. Pete Beach, FL.