

# James W.A. Strachan

Pronouns: *he/him*

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*Department of Neurology*

*University Medical Center Hamburg-Eppendorf*

*Martinistraße 52*

*20246 Hamburg*

## BIOGRAPHY

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<b>Humboldt Fellow</b>	University Medical Center Hamburg-Eppendorf, Hamburg DE
<i>Department of Neurology</i>	<i>2023-2024</i>
<b>MINDED Research Fellow</b>	Italian Institute of Technology, Genoa IT
<i>Cognition, Motion, and Neuroscience Unit</i>	<i>2020 - 2022</i>
<b>Postdoctoral Researcher</b>	Central European University, Budapest HU
<i>Social Mind and Body Lab, Department of Cognitive Science</i>	<i>2016 - 2020</i>
<b>PhD in Psychology</b>	University of York, York UK
<i>Professor Steve Tipper (thesis supervisor)</i>	<i>2013 - 2017</i>
<b>Thesis:</b> Incidental learning of trust from identity-contingent gaze cues: boundaries, extensions and applications	
<b>Award date:</b> July 14th 2017	
<b>MSc in Cognitive Neuroscience</b>	University of York
<i>Professor Andy Young (thesis supervisor)</i>	<i>2012 - 2013</i>
<b>Thesis:</b> Involvement of the superior temporal sulcus in decoding social signals from faces	
<b>BSc in Psychology</b>	University of York
	<i>2013 - 2016</i>

## FUNDING AND FELLOWSHIPS

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<b>Humbolt Research Fellowship for Experienced Researchers</b>	2023-2024
<i>Individual research fellowship by the Alexander von Humboldt Foundation</i>	€57,060
<b>MINDED MSCA-COFUND Fellowship</b>	2020-2022
<i>Research fellowship awarded as part of MSCA-COFUND Action</i>	
<b>BA/Leverhulme Small Research Grants [SRG1920-100325; Co-PI]</b>	2020
<i>Learning who to trust: How do we re-affiliate after social exclusion?</i>	£9,929
<b>Wellcome Trust: Centre for Chronic Diseases and Disorders [Co-investigator]</b>	2016
<i>Influencing Facial Trustworthiness in Sleep</i>	£6,988

## AWARDS

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<b>YuFund, York Alumni Association</b>	£200
<i>Grant for public engagement event Psych!York</i>	2016
<b>Postgraduate Community Fund, York Graduate Student Association (GSA)</b>	£574
<i>Grant for public engagement event Psych!York</i>	2016
<b>International Meeting of the Psychonomic Society, Granada, Spain</b>	
<i>Accommodation Award</i>	2016
<b>UK National 3-Minute Thesis Competition</b>	[URL]
<i>National Semi-Finalist</i>	2015

# James W.A. Strachan

## Curriculum Vitae

### JOURNAL ARTICLES

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- Strachan, J.**, Albergio, D., Borghini, G., Pansardi, O., Scaliti, E., Gupta, S., Saxena, K., Rufo, A., Panzeri, S., Manzi, G., Graziano, M., Becchio, C., (2024). “Testing Theory of Mind in Large Language Models and Humans”. In: *Nature Human Behaviour*.
- Charbonneau, M., Curioni, A., McEllin, L., **Strachan, J.**, (2023). “Flexible cultural learning through action coordination”. In: *Perspectives on Psychological Science* 19 (1), pp. 201–222.
- 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.**, Guttusen, 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

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- 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. 6. ISBN: 9780262378390.
- 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

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- 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/>.

# James W.A. Strachan

## Curriculum Vitae

### SUPERVISION & TEACHING

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#### 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

# James W.A. Strachan

## Curriculum Vitae

### 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

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

**Data analysis:** R; JASP; SPSS

### PROFESSIONAL ACTIVITIES

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#### 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

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**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*

# James W.A. Strachan

## Curriculum Vitae

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

## CONFERENCE PRESENTATIONS

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- Strachan, J.**, Becchio, C., (Mar. 2024). “Kinematic signatures of pedagogical communication”. Symposium talk accepted for the 66th Tagung experimentell arbeitender Psycholog:innen (TeaP; Conference of Experimental Psychologists).
- Strachan, J.**, Albergo, D., Borghini, G., Pansardi, O., Scaliti, E., Rufo, A., Manzi, G., Graziano, M., Becchio, C., (Mar. 2024). “Testing Theory of Mind in GPT Models and Humans”. Talk accepted for the 66th Tagung experimentell arbeitender Psycholog:innen (TeaP; Conference of Experimental Psychologists).
- Strachan, J.**, Becchio, C., (July 2023). “Building demonstrations from scratch: Understanding pedagogical communication in teaching interactions”. Talk delivered at ninth Joint Action Meeting (JAM 9) 2023, Budapest, Hungary.
- 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.

## **James W.A. Strachan**

### Curriculum Vitae

- 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.
- 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.