

VICTORIA E. A. BRUNSDON
Postdoctoral Research Associate

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PROFILE

My research investigates cognition (particularly social cognition and executive function), inter and intra individual variability, and wellbeing across the lifespan in neurotypical and autistic populations.

Cognitive development; Experimental psychology; Cognitive neuroscience (EEG/ERP); Social cognition; Executive functions; Autism spectrum disorder; Lifespan cognition; Ageing; Training interventions; Longitudinal designs

EDUCATION

2015	PhD Social, Genetic & Developmental Psychiatry Title: The fractionation of autism spectrum disorder at the cognitive level Supervisors: Prof Francesca Happé, Prof Fruhling Rijdsdijk	King's College London
2015	Postgraduate Certificate in Academic Practice Merit	King's College London
2012	MSc Social, Genetic & Developmental Psychiatry Distinction	King's College London
2011	MRes Psychology Distinction	University of Birmingham
2010	BSc Psychology First Class	University of Birmingham

ACADEMIC POSITIONS

2015 –	Postdoctoral Research Associate European Research Council - CogSoCoAGE	University of Kent
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PUBLICATIONS

(ResearcherID: F-6207-2011, ORCID ID: 0000-0001-6590-6880, Times cited = 97)

Brunsdon, V. E. A., Bradford, E. E. F., & Ferguson, H. (2019). Sensorimotor mu rhythm during action observation changes across the lifespan independently from social cognitive processes. *Developmental Cognitive Neuroscience*. doi: 10.1016/j.dcn.2019.100659 [5YIF = 5.425]

Ferguson, H. J., **Brunsdon, V. E. A.**, & Bradford, E. E. F. (2018). Age of avatar modulates the altercentric bias in a visual perspective-taking task: ERP and behavioral evidence. *Cognitive, Affective and Behavioral Neuroscience*, 18, 1298-1319. doi: 10.3758/s13415-018-0641-1 [5YIF = 3.413]

Brunsdon, V. E. A., Colvert, E., Ames, C., Garnett, T., Gillan, N., Hallett, V., Lietz, S., Woodhouse, E., Bolton, P., & Happé, F. (2015). Exploring the cognitive features in children with autism spectrum disorders, their co-twins, and typically-developing children within a population-based sample. *Journal of Child Psychology and Psychiatry*, 56, 893-902. doi: 10.1111/jcpp.12362 [5YIF = 7.675]

Brunsdon, V. E. A., & Happé, F. (2014). Exploring the 'fractionation' of autism at the cognitive level. *Autism*, 18, 17 - 30. doi: 10.1177/1362361313499456 [5YIF = 4.724]

Beck, S. R., Carroll, D. J., **Brunsdon, V. E. A.**, & Gryg, C. H. (2011). Supporting children's counterfactual thinking with alternative modes of responding. *Journal of Experimental Child Psychology*, 108, 190-202. doi: 10.1016/j.jecp.2010.07.009 [5YIF = 3.366]

FORTHCOMING

Ferguson, H., Bradford, E. E. F., & **Brunsdon, V. E. A.** (Eds.). *The cognitive basis for social interaction across the lifespan*. Oxford, UK: Oxford University Press.

AWARDS & PRIZES

2019	£300	Researcher Development Fund , University of Kent
2018	£1000	Brain Travel Award , Guarantors of Brain
2018	£2200	Research Workshop , Experimental Psychology Society
2018	\$100	Postdoctoral Fellow Award , Cognitive Neuroscience Society
2016	£2000	UK-China Researcher Links Workshop , Tianjin, China
2014	£500	Grindley Grant for Conference Attendance , Experimental Psychology Society
2014	£300	Conference Fund Grant , King's College London
2011 – 2015	~£100,000	1+3 Medical Research Council Studentship
2011	£1700	Scholarship , University of Birmingham
2010	£1500	Universitas 21 Travel Grant

CONFERENCE PRESENTATIONS

ORAL PRESENTATIONS (*as presenter*)

Brunsdon, V. E. A., Bradford, E. E. F., & Ferguson, H. (2018, June). *The ageing human mirror neuron system and its relationship with social cognition*. Oral presentation at the Social Communication Across the Lifespan Conference, Canterbury, UK.

Brunsdon, V. E. A., Clark, A., & Ferguson, H. (2018, May). *Does social experience modulate the human mirror neuron system? An EEG study*. Oral presentation at the International Meeting of the Psychonomic Society, Amsterdam, Netherlands.

Brunsdon, V. E. A., Bradford, E. E. F., & Ferguson, H. (2018, January). *The development of perspective-taking from late childhood to young adulthood*. Oral presentation at Experimental Psychology Society meeting, London, UK.

Brunsdon, V. E. A., Bradford, E. E. F., & Ferguson, H. (2017, August). *Eye movements during perspective-taking in younger and older adults*. Oral presentation at 19th European Conference on Eye Movements, Wuppertal, Germany.

Brunsdon, V. E. A., Bradford, E. E. F., & Ferguson, H. (2017, July). *Mirror neuron activity in younger and older adults*. Oral presentation at Experimental Psychology Society meeting, Reading, UK.

Brunsdon, V. E. A., Bradford, E. E. F., & Ferguson, H. (2017, January). *Age-related differences in visual perspective-taking*. Oral presentation at Experimental Psychology Society meeting, London, UK.

Brunsdon, V. E. A., Donevska, G., Surtees, A., Ferguson, H. (2016, April). *Caloric vestibular stimulation facilitates spatial, but not visual, perspective taking*. Oral presentation at British Psychology Society Vestibular System seminar.

POSTER PRESENTATIONS (*as presenter*)

Brunsdon, V. E. A., Bradford, E. E. F., & Ferguson, H. (2018, October). *The changing human mirror neuron system across the lifespan*. Poster presentation at the 58th Annual Meeting of the Society for Psychophysiological Research, Quebec City, CA.

Brunsdon, V. E. A., Bradford, E. E. F., Carpenter, C., & Ferguson, H. (2018, May). *Age of avatar modulates the altercentric bias in a visual perspective-taking task: An ERP study*. Poster presentation at Social and Affective Neuroscience Society meeting, New York, USA.

Brunsdon, V. E. A., Bradford, E. E. F., Smith, L., & Ferguson, H. (2018, March). *Training the human mirror neuron system: An EEG study*. Poster presentation at Cognitive Neuroscience Society Conference, Boston, USA. **Postdoctoral Fellow Award winner**.

Brunsdon, V. E. A., Bradford, E. E. F., & Ferguson, H. (2017, November). *The development of perspective-taking during adolescence*. Poster presentation at Psychonomic Annual Meeting, Vancouver, CA.

Brunsdon, V. E. A., Bradford, E. E. F., De Lillo, M., & Ferguson, H. (2017, September). *Changes in executive function across adulthood*. Poster presentation at Cognitive Neuroscience of Executive Functions, Padua, Italy.

Brunsdon, V. E. A., Bradford, E. E. F., & Ferguson, H. (2017, April). *An EEG study to investigate the human mirror neuron system and its relationship to social abilities in healthy ageing*. Poster presentation at British Neuroscience Association Conference, Birmingham, UK.

Brunsdon, V. E. A., Bradford, E. E. F., & Ferguson, H. (2017, March). *The aging mirror neuron system: EEG activation during biological motion observation*. Poster presentation at Cognitive Neuroscience Society meeting, San Francisco, USA.

Brunsdon, V. E. A., Bradford, E. E. F., & Ferguson, H. (2017, March). *The mirror neuron system across the lifespan and its role in social cognition*. Poster presentation at Social & Affective Neuroscience Conference, Los Angeles, USA.

Brunsdon, V. E. A., Bradford, E. E. F., & Ferguson, H. (2017, March). *Age and the role of executive function in perspective-taking*. Poster presentation at Social & Affective Neuroscience Conference, Los Angeles, USA.

Brunsdon, V. E. A., Bradford, E. E. F., & Ferguson, H. (2016, November). *Age-related differences in visual perspective-taking*. Poster presentation at Psychonomic Annual Meeting, Boston, USA.

Donevska, G., **Brunsdon, V. E. A.,** Surtees, A., & Ferguson, H. (2016, November). *Caloric vestibular stimulation facilitates spatial, but not visual, perspective-taking*. Poster presentation at Psychonomic Annual Meeting, Boston, USA.

Brunsdon, V. E. A., Bradford, E. E. F., & Ferguson, H. (2016, September). *Age-related differences in perspective-taking during a referential communication task*. Poster presentation at Researcher Links Workshop, Tianjin Normal University, China.

Brunsdon, V. E. A., Colvert, E., Woodhouse, E. L., Bolton, P., & Happé, F. (2015, July). *Genetic and environmental overlap between cognitive atypicalities and autism spectrum disorder*. Poster presented at the 14th European Congress of Psychology, Milan, Italy.

Brunsdon, V. E. A., Colvert, E., Woodhouse, E. L., Bolton, P., & Happé, F. (2015, June). *Cognitive phenotypes in typical development and autism spectrum disorder*. Poster presented at the Neurodevelopmental Disorders seminar, University of Oxford, UK.

Brunsdon, V. E. A., Colvert, E., Woodhouse, E. L., Bolton, P., & Happé, F. (2014, May). *Trying to make sense of a heterogeneous disorder: A factor mixture modelling approach to autism spectrum disorder*. Poster presented at the International Meeting for Autism Research, Atlanta, GA, USA.

Brunsdon, V. E. A., Colvert, E., Woodhouse, E. L., Bolton, P., & Happé, F. (2013, May). *Exploring the cognitive underpinnings of the autism phenotype*. Poster presented at the International Meeting for Autism Research, San Sebastián, Spain.

Brunsdon, V. E. A., Beck S. R., & Carroll, D. J. (2010, July). *The role of inhibitory control in children's counterfactual thinking*. Poster presented at The Faculty of Imaging, Universitas 21 Undergraduate Research Conference, University of Melbourne, Australia.

SELECTED PRESENTATIONS (as co-author)

Ferguson, H.*, De Lillo, M., Fysh, M., **Brunsdon, V. E. A.,** & Bradford, E. E. F. (2019, March). *Tracking social attention across the lifespan*. Oral presentation at the International Convention for Psychological Science, Paris, France.

De Lillo, M.*, **Brunsdon, V. E. A.**, Bradford, E. E. F., Fysh, M., & Ferguson, H. (2018, November). *Inferring mental states in the lab and in real life: Evidence from younger and older adults*. Poster presentation at Psychonomic Annual Meeting, Atlanta, USA.

Bradford, E. E. F.*, **Brunsdon, V. E. A.**, & Ferguson, H. (2018, October). *The neural basis of false-belief processing across the lifespan: An ERP study*. Poster presentation at the 58th Annual Meeting of the Society for Psychophysiological Research, Quebec City, Canada.

Bradford, E. E. F.*, **Brunsdon, V. E. A.**, & Ferguson, H. (2018, June). *Social cognition in adolescence: Using eye-tracking to study belief-attribution abilities*. Oral presentation at the Social Communication Across the Lifespan Conference, Canterbury, UK.

Bradford, E. E. F.*, **Brunsdon, V. E. A.**, & Ferguson, H. (2018, May). *Factors predicting theory of mind success across the lifespan*. Poster presentation at Social and Affective Neuroscience Society meeting, New York, USA.

De Lillo, M.*, **Brunsdon, V. E. A.**, Bradford, E. E. F., & Ferguson, H. (2018, January). *Training cognitive abilities using a 21-day adaptive procedure*. Poster presentation at Experimental Psychology Society meeting, London, UK.

Bradford, E. E. F.*, **Brunsdon, V. E. A.**, & Ferguson, H. (2017, July). *The relationship between theory of mind and executive functions in older and younger adults*. Oral presentation at European Association of Social Psychology, Granada, Spain.

Bradford, E. E. F.*, **Brunsdon, V. E. A.**, & Ferguson, H. (2017, March). *The neural basis of social cognition: Exploring false-belief processing across the lifespan using EEG measures*. Poster presentation at Social & Affective Neuroscience Conference, Los Angeles, USA.

TEACHING & SUPERVISION

TEACHING

2017 – Present	MSc Cognitive Psychology Demonstrator	University of Kent
2015 – Present	BSc Psychology Statistics: Stage 2 Practical 3 Convenor	University of Kent
2013 – 2015	Postgraduate Certificate in Academic Practice (PGCAP), Merit	King's College London
2015	Tutorials, MSc Research Methods, Institute of Psychiatry	King's College London
2012 – 2015	Tutorials, MSc Mental Health, Institute of Psychiatry	King's College London
2013	Assessment, King's Experience Awards	King's College London
2011	Seminars, Nonverbal Behaviours, BSc Psychology	University of Birmingham
2010	Practicals & Assessment, Research Methods A, BSc Psychology	University of Birmingham

SUPERVISION

Academic advisor and project supervisor for BSc Psychology final year students (2016-present), research supervisor to MSc Developmental Psychology and MSc Cognitive Psychology students (2016-present), PhD second supervisor to Martina De Lillo (2016-present)

ADMINISTRATIVE RESPONSIBILITIES

2018	Organiser of 3-day conference "Social Communication Across the Lifespan"
2018	Organiser of workshop "New Challenges for Early Career Researchers"
2017 –	Post-Doctoral Research Associate representative on Research and Innovation Committee
2016 –	Post-Doctoral Research Associate representative on Athena Swan panel
2015 –	Ethics Committee member

MEMBERSHIP OF PROFESSIONAL BODIES

2018	Member of the Experimental Psychology Society
2015	Fellow of the Higher Education Academy

OTHER

- **Ad-hoc reviewer:** *Autism, International Journal of Developmental Disabilities, Journal of Autism and Developmental Disorders, Research in Autism Spectrum Disorders, Quarterly Journal of Experimental Psychology, Psychological Research*, amongst others
- **Research skills:** R (tidyverse, lme4, lavaan, RMarkdown, knitr, etc), JASP, Mplus, SPSS, Stata, EEG (incl. actiCAP electrodes, Brain Vision Analyzer), eye tracking (Eyelink 1000, SR Research software, SMI eye tracking glasses), EPrime, PsychoPy, Qualtrics, caloric vestibular stimulation, galvanic vestibular stimulation, virtual reality
- **Courses:** Longitudinal Data Analysis using R (2019), Linear Mixed Models in R (2017), EEG Analysis School (2016), Longitudinal Modelling in MPlus (2014), Microsoft Excel Intermediate (2013), Cognitive Development (2013), MPlus Workshop (2013), Twin Model Fitting in R (2013), Preparing to Teach (2012)
- **Public engagement:** CogSoCoAGE newsletter, Café Psychology, British Science Festival 2017, Pint of Science Kent 2017, U3A Public Engagement Event, University of Kent, Kent Child Development Unit outreach event, Psychology Science Festival 2016, School of Psychology, University of Kent, bOing! Family Festival 2016, Canterbury, SGDP Science Open Day 2013, Big Bang Fair 2012, eXcel London, STEM Ambassador 2012-2015
- **Open science:** committed to open materials, open data and open code and also pre-registering methods and analyses on the Open Science Framework