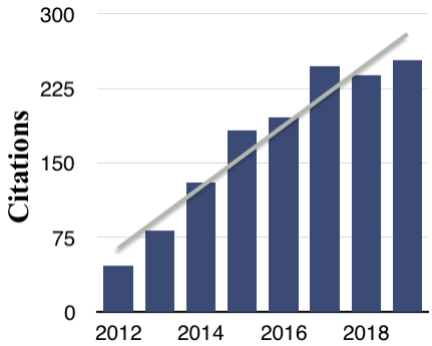
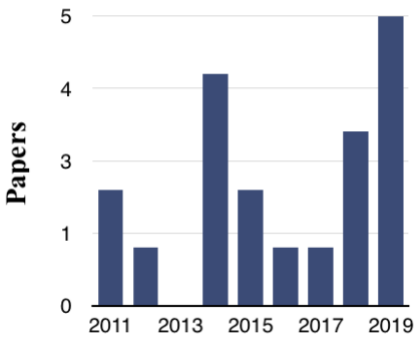
Stephanie J Forkel, PhD MSc SFHEA CPsychol

Laboratory website: natbrainlab.co.uk/stephanie-forkel/
Publication record available on ORCIDiD
Reviewer & Editorial record on Publons
Skills: Neuroimaging, neuroanatomy, neuropsychology, stroke, leadership, statistics, public engagement, HE/FE teaching, 3D printing

PUBLICATIONS	TOTAL CITATIONS	H-INDEX	REVIEWS	EDITORIALS
20	1411	13	115	24

My research is at the forefront of mapping connectional anatomy of cognition using advanced neuroimaging techniques. I am passionate about establishing and nurturing effective partnerships with a wide range of researchers, clinicians, and the public to help answer exciting scientific questions. My work applies advanced neuroimaging methods to identify variability within and across populations and uses these findings to formulate novel models of anatomical cognitive models and improve personalised prevention and interventions in the clinic.





Experience

2019 -	CNRS Researcher in Neuroscience, France
2019 -	Visiting Lecturer in Neuroimaging, KCL, UK
2017 - 2019	Lecturer in Neuroimaging, KCL, UK
2017 - 2017	Visiting Fellow, UCSF, USA
2016 - 2017	Senior Neuroimaging Research Scientist, UK
2015 - 2016	Postdoctoral Fellow, KCL, UK
2015 - 2016	Ad-hoc Lecturer, Greenwich University, UK
2013 - 2015	Postdoctoral Fellow, UCL, UK
2006 - 2007	Research Assistant, KCL, UK
2006 - 2006	Research Assistant, LMU Munich, Germany

Qualifications

2019	Chartered Psychologist (CPsychol)	British Psychological Society, UK
2018	Senior Fellow Higher Education Academy	Advance Higher Education, UK
2011	Associate Fellow Higher Education Academy	Advance Higher Education, UK
2010 - 2011	Graduate Certificate of Academic Practice	King's College London, UK
2009 - 2013	Doctor in Philosophy in Neuroimaging (PhD)	King's College London, UK
2008 - 2009	Master of Science in Neuroscience (MSc)	King's College London, UK
2007 - 2008	Bachelor studies in Psychology	University of Ireland, Galway
2005 - 2008	Vordiplom Psychologie	Universität Salzburg, Austria

Research Awards

2019	Seal of Excellence Horizon 2020, European Union
2015 - 2015	Global Research Grant with University of California San Francisco
2015 - 2016	King's College London Research Society Funding
2014 - 2014	James S. McDonnel Foundation Fellowship
2012 - 2015	Maudsley Charity Grant
2008 - 2013	Master and PhD Scholarships from Guy's and St Thomas Charity Fund
2007 - 2008	European ERASMUS exchange stipend

Professional Development & Public Engagement Awards

2018	Centre for Research Staff Development King's Community Fund

2018	German Scholar Organisation Fellowship
2018	Wellcome Trust & King's College London Public Engagement Award
2016	OHBM Public Engagement Fund
2014	Else Kröner-Fresenius-Foundation Fellowship
2014	National Institute of Health (NIH) Fund
2010	University of London Teaching Initiative

Intellectual Property

2017	3D printed replica of the famous skull of Phineas Gage. The skull was first exhibited at the OHBM meeting in Vancouver, 2017. Design accessible via EUIPO Registered Community Design no.003823012-0001

Prizes & Achievements

2019	Academics Nachwuchswissenschaftler nomination (€5000, pending)
2018	King's Award "Most Outstanding Contribution to the Postdoc Experience"
2018	Cover, Cerebral Cortex November Issue
2017	OHBM Merit Award ($2.000)
2017	Wellcome Trust Image Award
2017	Top 1% Reviewer for King's College London in Psychology and Neuroscience
2014	Cover, BRAIN July issue
2014	Guarantors of Brain Travel Grant (£800)
2014	King's College London, Graduate School Conference Fund (£450)
2014	King's College London, Mary Clark Travel Award (£500)
2013	OHBM Trainee Award ($700)
2012	Guarantors of Brain Travel Grant (£800)
2012	King's College London, Graduate School Conference Fund (£400)
2012	King's College London, Sargeaunt Travel Fund (£300)
2012	American Academy of Neurology, Best abstract award
2011	International Hardship fund (£5.500)
2011	King's College London, Graduate School Conference Fund (£400)
2011	King's College London, Chaplaincy Discretionary Fund (£1.000)
2010	Guarantors of Brain Travel Grant (£500)

Academic Citizenship

2019	PhD examiner King's College London, UK
2019	Organiser National Postdoc Meeting (#NpdC2019)
2019 -	Mentor to two mentees, OHBM Student and Postdoc Student Interest Group
2019 - 2019	Board Member Wellcome Trust CME Centre Public Engagement Committee
2016 - 2019	Board Member Research and Innovation Committee
2016 - 2019	Board Member Early Career Independent Research Award
2017 - 2019	Chair Postdoc sub-committee Research and Innovation Committee
2016 - 2019	Postdoc Champion, Institute of Psychiatry, Psychology and Neuroscience
2018	Founder of the London Postdoc Network
2017	PhD examiner for King's College London and University of Barcelona, Spain
2009 - 2016	MSc Neuroscience Module co-leader at King's College London
2009 - 2016	Erasmus co-ordinator with Ludwig-Maximilian University of Munich, Germany
2007 - 2017	Founder of the Clinical Neuroanatomy Society and Seminars

Public Engagement

2019	Interview Süddeutsche Zeitung "Wenn Spitzenwissenschaftler wütend werden"
2019	Pint of Science "Beautiful Mind – Plasticity in the brain"
2019	Big Bang Fair Sutton, UK
2019	Science Gallery "SPARE PARTS: Downloadable brain" exhibition, London UK
2018	BBC Horizon "Depression and me" with Alistair Campbell
2017	OHBM "Phineas in your hands", Vancouver Canada

2017	Wellcome Trust Image Award winner
2017	Brainhack London: Clinical Neuroanatomy, London UK
2015	Native Scientists, German School in North London
2015	Lindau Nobel Laureate Meeting, Blog with Nobel Prize Winner Prof Blackburn
2014	Rewired – The Brain, Art and Innovation, Bloomsbury Theatre, London, UK
2008 - 2017	Clinical Neuroanatomy Seminars, a public repository of science talks

Events/Conferences Organised (full list available upon request)

I organised 25 workshops (*e.g.* tractography and neuroanatomy workshops, Brainhack London), four symposia and eight conferences (*e.g.* ISOCN, OHBM symposium and European low-grade glioma network meeting) and national meetings (*e.g.* National Postdoc Meeting #NpdC2019).

Commissions of Trust

Editorial Board: Cortex
Journal Reviewer for 22 journals with over >100 completed reviews.
Reviewer for funding bodies including Medical Research Council (MRC), Swiss National Science Foundation (SNSF), Netherlands Organisation for Scientific Research (NOW), Austrian Science Fund (FWF), European Research Council Starting Grant (ERC StG).

Higher Education Teaching

Senior Fellow of the Higher Education Academy (SFHEA) accreditation awarded on the basis of evidence of personal professional practice which meets the requirements of the UK Professional Standards Framework. I have **over 500 hours of experience** in higher education and further education teaching at the University at an undergraduate and postgraduate level, as well as one-to-one supervision experience as PhD co-supervisor, Master supervisor and as examiner and mentor. I was **module leader** for the MSc Neuroscience (King's College London) and Applied Clinical Neuropsychology (Greenwich University). I **taught and was examiner** at King's for the MSc Mental Health Studies, MSc Neuroimaging, iBSc Cognitive Neuropsychology, BSc Psychiatric Research, BSc Synthetic Anatomy, BSc Psychology.

Leadership skills

I have participated in multiple intensive training on leadership theory, facilitation, recruitment and advanced project management. These long-term trainings provides opportunities to actively practise leadership skills and were offered by HUTCHINSON TRAINING AND DEVELOPMENT, Leadership in Action with Norfolk Light LTD, and the German Scholar Organisation. The Leadership Academy was supported by Fraunhofer Society, Helmholtz Association of German Research Centres, and the Max Planck Society.

Complete list of peer-reviewed publications

[1] Number of total citations from Google Scholar as of 03/09//2019
[2] Publications without PhD supervisor
[3] first or last author publications

Year	Publication	[1]Citations
In prep	[2,3] Phenotypes of structural variability and their impact on cognition and recovery: A systematic review. **Forkel SJ** & Howells H. *Brain Structure and Function*	
In prep	[2] Imaging brain evolution: the next frontier? Friedrich P, **Forkel SJ**, et al, & Thiebaut de Schotten M.	

In prep	[2,3] Anchoring the human olfactory system to a functional gradient. Waymel A, Friedrich P, **Forkel SJ***, Thiebaut de Schotten M*. *joint last. *Proceedings of the National Academy of Sciences of the United States of America*	
In prep	[2] Situating the corpus callosum along the principal gradient. Friedrich P, **Forkel SJ***, Thiebaut de Schotten M.	
Under review	[2] The impact of fronto-parietal resection on hand selection for grasping and manipulation Howells HR, Puglisi G, Leonetti A, Vigano L, Fornia L, Simone L, **Forkel SJ**, Rossi M, Cerri G, Bello L. *Cortex, DOI: 10.1101/2019.12.11.872754*	
Under review	Network abnormalities in attention Deficit Hyperactivity Disorder: A systematic review of Diffusion Imaging Studies. Parlatini V, Murphey DM, **Forkel SJ**, Catani M. *Biological Psychiatry*	
2019	[2] An ancestral anatomical and spatial bias for visually guided behavior Friedrich P, Thiebaut de Schotten M, **Forkel SJ,** Stacho M, Howells H. *Proceedings of the National Academy of Sciences*	
2019	[2] Accelerating the evolution of nonhuman primate neuroimaging The PRIMatE Data Exchange Global Collaboration Workshop *Neuron*, in press	
2019	Differences in frontal network anatomy across primate species. Barrett R, Dawson M, Dyrby T, Krug K, Ptito M, D'Arceuil H, Croxson PL, Johnson P, Howells E, **Forkel SJ**, Dell'Acqua & Catani M. *Journal of Neuroscience*, in press	
2019	[2, 3] One size fits all does not apply to brain lateralisation. Thiebaut de Schotten M, Friedrich P, **Forkel SJ**. *Physics of Life Reviews*, S1571-0645(19)30103-4	1
2019	[3] Anatomical evidence of an indirect pathway for word repetition. **Forkel SJ**, Rogalski E, Drossinos Sancho N, D'Anna L, Luque Laguna P, Sridhar J, Dell'Acqua F, Weintraub S, Thompson C, Mesulam & Catani M. *Neurology*, in press doi:10.1212/WNL.0000000000008746	
2018	[3] Lesion mapping in acute stroke aphasia and its implications for recovery. **Forkel SJ** & Catani M. *Neuropsychologia* 115:88-100.	6
2018	Neural organization of ventral white matter tracts parallels the initial steps of reading development: A DTI tractography study. Vanderauwera J, De Vos A, **Forkel SJ**, Catani M, Wouters J, Vandermosten M & Ghesquière P. *Brain and Language* 183:32-40	6
2018	[2] Structural Variability Across the Primate Brain: A Cross-Species Comparison. Croxson PL, **Forkel SJ**, Cerliani L & Thiebaut de Schotten M. *Cereb Cortex* 28(11):3829-3841	20
2017	[3] Short parietal lobe connections of the human and monkey brain. Catani M, Robertsson N, Beyh A, Huynh V, de Santiago Requejo F, Howells H, Barrett RL, Aiello M, Cavaliere C, Dyrby T, Krug K, Ptito M, D'Arceuil H & **Forkel SJ***, Dell'Acqua F*. *joint last. *Cortex* 97:339-357	14
2016	[2] Mentalizing the body: spatial and social cognition in anosognosia for hemiplegia. Besharati S, **Forkel SJ**, Kopelman M, Solms M, Jenkinson PM & Fotopoulou A. *Brain* 139(Pt 3):971-85	29
2015	[3] The white matter of the human cerebrum: part I The occipital lobe by Heinrich Sachs. **Forkel SJ**, Mahmood S, Vergani F & Catani M. *Cortex* 62:182-202, 2015.	10

2015	[2, 3] Heinrich Sachs (1863-1928). **Forkel SJ**. *Journal of Neurology* 262(2):498-500	5
2014	[3] Anatomical predictors of aphasia recovery: a tractography study of bilateral perisylvian language networks. **Forkel SJ**, Thiebaut de Schotten M, Dell'Acqua F, Kalra L, Murphy, Williams S & Catani. *Brain* 137(Pt 7):2027-39	159
2014	[3] The anatomy of fronto-occipital connections from early blunt dissections to contemporary tractography. **Forkel SJ**, Thiebaut de Schotten M, Kawadler JM, Dell'Acqua F, Danek A & Catani M. *Cortex* 56:73-84	134
2014	[2, 3] Intralobar fibres of the occipital lobe: a post mortem dissection study. Vergani F, Mahmood S, Morris CM, Mitchell P & **Forkel SJ**. *Cortex* 56:145-56	29
2014	[2] The affective modulation of motor awareness in anosognosia for hemiplegia: behavioural and lesion evidence. Besharati S, **Forkel SJ**, Kopelman M, Solms M, Jenkinson P & Fotopoulou A. *Cortex* 61:127-40	22
2012	Beyond cortical localization in clinico-anatomical correlation. Catani M, Dell'Acqua F, Bizzi A, **Forkel SJ**, Williams SC, Simmons A, Murphy DG & Thiebaut de Schotten M. *Cortex* 48(10):1262-87	163
2011	A lateralized brain network for visuospatial attention. Thiebaut de Schotten M, Dell'Acqua F, **Forkel SJ**, Simmons A, Vergani F, Murphy DG & Catani M. *Nature Neuroscience* 14(10):1245-6	631
2011	Altered integrity of perisylvian language pathways in schizophrenia: relationship to auditory hallucinations. Catani M, Craig MC, **Forkel SJ**, Kanaan R, Picchioni M, Toulopoulou T, Shergill S, Williams S, Murphy DG & McGuire P. *Biological Psychiatry* 70(12):1143-50	85

Book chapter & other print media

1. **Forkel SJ.** Clinical applications of diffusion tractography. In the Handbook of Diffusion Imaging. (Dell'Acqua & Leemanns, Eds), forthcoming
2. **Forkel SJ**. Anatomy and disorders of the language system. In Encyclopaedia of Behavioural Neuroscience 2e, (Della Sala et al., Eds). Elsevier, forthcoming
3. **Forkel SJ.** Lesion analyses methods and theory. In Encyclopaedia of Behavioural Neuroscience 2e, (Della Sala et al., Eds). Elsevier, forthcoming
4. Catani M & **Forkel SJ.** Diffusion Imaging Methods in Language Sciences**.** In Oxford Handbook of Neurolinguistics (de Zubicaray & Schiller, Eds). OUP, 2019
5. **Forkel SJ** & Catani M. Structural Neuroimaging. In Research Methods in Psycholinguistics (de Groot & Hoogart, Eds). Wiley & Sons, 2018
6. Rickards T, Baldo J, Yochim BP. Changes to the Brain: Methods of Investigation, Aging, and Neuroplasticity (image contribution) in Yochim & Woodhead (Eds). Psychology of Aging: A Biopsychosocial Perspective. Springer, 2017
7. **Forkel SJ** & Howells H. Professor Blackburn on Unconscious biases – an interview. Published online on the Lindau Nobel Laureate website, 2015
8. Catani M, **Forkel SJ**, Thiebaut de Schotten M. Asymmetry of white matter pathways in the brain. In The Two Halves Of The Brain: Information Processing In The Cerebral Hemispheres (Eds, Hugdahl, K & Davidson, RJ). MIT Press, 2010

Invited Talks

I disseminated my work through > ***40 invited presentations*** at international conferences and symposia as well as presenting at various research institutions. 10 most relevant talks:

2020 *Brain variability, aphasia, and tractography – what we have learned so far*, World Federation of Neurology Research Group on Aphasia, Dementia, and Cognitive Disorders, Nara, Japan (Sarah E. MacPherson)

2019 *White matter tractography – the do's and don'ts*, The impact of White Matter Anatomy for Brain tumor and Epilepsy surgery, University of Zurich, Switzerland (Niklaus Krayenbühl)

2018 *Neuronal networks in language and aphasia*, Academy of Aphasia, Montreal, Canada (Leonardo Bonilha)

2017 *White matter imaging in stroke populations*, Organisation of Human Brain Mapping Conference (OHBM), Vancouver, Canada (Amy Broadmann)

2016 *The connectivity of language*, Royal Society of Medicine, London, UK (Richard Gullan/ Francesco Vergani)

2016 *Perisylvian pathways and the basics of tractography*, Academy of Aphasia, Bangor, Wales, UK (Nina Dronkers)

2016 *Fiber tracts relevant for auditory and language processing*, Organisation of Human Brain Mapping Conference (OHBM), Geneva, Switzerland (Karl Zilles)

2015 *Tractography in the clinic: stroke-induced aphasia*, Northwestern University, Chicago, US (Marsel-M. Mesulam/ Emily Rogalski/ Cynthia Thompson)

2015 *Towards a new connectional anatomy of language*, University of Illinois, Chicago, US (Melissa Lamar)

2012 *Tractography in clinical and healthy populations*, Max Planck Institute (MPI), Leipzig, Germany (Angela Friederici)