

Curriculum Vitae

Jeremy I. Skipper, Ph.D.

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Experimental Psychology
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Education

- 2007 Ph.D.
Program in Cognition and Cognitive Neuroscience
Department of Psychology
The University of Chicago
- 1998 B.A.
Department of Philosophy and Religion and Department of Psychology
University of North Carolina, Wilmington

Professional Experience

- 2016 - Present Associate Professor in Multimodal Communication
Departmental Graduate Tutor
Division of Psychology and Language Sciences
Experimental Psychology
University College London
- 2017 - 2018 Visiting Scholar
Psychology of Language Department
Max Planck Institute for Psycholinguistics, Nijmegen
- 2013 - 2016 Assistant Professor in Multimodal Communication
Division of Psychology and Language Sciences
Experimental Psychology
University College London
- 2013 - 2014 Lecturer in the Department of Psychology and Human Development
Vanderbilt University
- 2010 - 2013 Assistant Professor of Psychology and Program in Neuroscience
Hamilton College
- 2007 - 2010 Postdoctoral fellow of psychology in psychiatry, Drs. BJ Casey, Bruce McCandliss, & Jason Zevin
Sackler Institute for Developmental Psychobiology
Weill Medical College of Cornell University
- 2006 - 2007 Postdoctoral fellow in psychology, Human Interaction Laboratory, Dr. Natalie Sebanz
Rutgers University

2000 - 2001 Software Developer and Research Assistant, Dr. Steven L. Small
Department of Neurology, The University of Chicago

1996 - 1998 Research Assistant, Dr. Dale Cohen
Department of Psychology, University of North Carolina, Wilmington

Research Support and Awards

2021 - 2022 PI, **UCL's Global Engagement Fund**, 'Neurobiological biomarkers of improved wellbeing and mental health following psychedelics assisted psychotherapy', São Paulo, Brazil
Value: £5,000

2021 - 2025 The London Interdisciplinary Biosciences Consortium BBSRC funded Doctoral Training Partnership (**LIDO-DTP**), 'Understanding neuroplasticity induced by trYptamines (UNITY)', Awarded PhD Studentship
Value: £89,000

2021 - 2025 **UCL PALS** Career Development Student/Demonstrator, Awarded PhD Studentship
Value: £74,000

2018 - 2022 The London Interdisciplinary Biosciences Consortium BBSRC funded Doctoral Training Partnership (**LIDO-DTP**), 'Putting Humpty together again: Decoding brain networks during real-world processing', Awarded PhD Studentship
Value: £89,000

2018 - 2022 UCL Engineering and Physical Sciences Research Council Doctoral Training Partnership (**EPSRC-DTP**), Awarded PhD Studentship
Value: £74,000

2017 - 2022 Co-I/Team Member on G. Vigliocco's **ERC Advanced** - ECOLANG - 'Ecological Language: A multimodal approach to language and the brain'
Value: £1,555,000

2017 - 2019 Sponser of Dr Dyutiman Mukhopadhyay's **Newton International Fellowship** - 'CEE-through-Film: A neurobehavioural paradigm to test culture-appraisal-interaction model of emotion'
Value: £66,000

2016 - 2018 PI, **UCL's Global Engagement Fund**, 'Predicting whether people are thinking about objects or events', University of California, San Diego, USA
Value: £3,450

2015 - 2019 PI on **EPSRC** EP/M026965/1 - 'New pathways to hearing: A multisensory noise reducing and palate based sensory substitution device for speech perception'
Value: £700,744

2015 - 2017 PI on **UCL** IBME-UCLH BRC Neurosciences MTC: Personal mobile sensors and technology in neuroscience Flagship Project
Value: £6,000

2011 - 2014 PI on **NSF** MRI BCS-1126549 'MRI: Acquisition of Neuroimaging Equipment For Acquiring 4-Dimensional Brain Data From Real-World Stimuli'
Value: \$217,282

2009 - 2014 PI on **NIH** NICHD K99/R00 HD060307 - 'Neurobiology of Speech Perception in Real-World Contexts'
Value: \$160,350 during K99 training phase
Value: \$747,000 during R00 independent phase

2006	Graduate Students Present Award, Cognitive Neuroscience Society
2005	Travel Award, Organization for Human Brain Mapping, partially funded by an R13 from the NIH-NIMH
2003 - 2004	Research grant from the Psychology Graduate Student Organization Travel and Research Committee
1996 - 1998	Chancellor's Achievement Award

Publications

Journal Articles

- Kirk, P. A., Robinson, O. J., & **Skipper, J. I.** (2022). Anxiety and amygdala connectivity during movie-watching. *Neuropsychologia*, 169, 108194.
- Shen, X., Aliko, S., Han, Y., **Skipper, J. I.**, & Peng, C. (2022). Finding Core-Periphery Structures With Node Influences. *IEEE Transactions on Network Science and Engineering*, 9(2), 875–887.
- Skipper, J. I.**, Aliko, S., Brown, S., Jo, Y. J., Lo, S., Molimpakis, E., & Lametti, D. R. (2021). Reorganization of the neurobiology of language after sentence overlearning. *Cerebral Cortex*. <https://doi.org/10.1093/cercor/bhab354>
- Skipper, J. I.**, & Lametti, D. R. (2021). Speech perception under the tent: A domain-general predictive role for the cerebellum. *Journal of Cognitive Neuroscience*, 33(8), 1517–1534.
- Ting, C.-M., **Skipper, J. I.**, Small, S. L., & Ombao, H. (2021). Separating stimulus-induced and background components of dynamic functional connectivity in naturalistic fMRI. *IEEE Transactions on Medical Imaging*.
- Zhang, Y., Frassinelli, D., Tuomainen, J., **Skipper, J. I.**, & Vigliocco, G. (2021). More than words: Word predictability, prosody, gesture and mouth movements in natural language comprehension. *Philos. Trans. R. Soc. Lond. B Biol. Sci.*, 288(1955), 20210500.
- Aliko, S., Huang, J., Gheorghiu, F., Meliss, S., & **Skipper, J. I.** (2020). A naturalistic neuroimaging database for understanding the brain using ecological stimuli. *Scientific Data*, 7(1), 347.
- Richardson, D. C., Griffin, N. K., Zaki, L., Stephenson, A., Yan, J., Curry, T., Noble, R., Hogan, J., **Skipper, J. I.**, & Devlin, J. T. (2020). Engagement in video and audio narratives: contrasting self-report and physiological measures. *Scientific Reports*, 10(1), 11298.
- Scholes, C., **Skipper, J. I.**, & Johnston, A. (2020). The interrelationship between the face and vocal tract configuration during audiovisual speech. *Proceedings of the National Academy of Sciences of the United States of America*, 117(51), 32791–32798.
- Möttönen, R., Adank, P., & **Skipper, J. I.** (2018). Sensorimotor Speech Processing: A Brief Introduction to the Special Issue. *Brain and Language*, 187, 18.
- Skipper, J. I.**, Devlin, J. T., & Lametti, D. R. (2017). The hearing ear is always found close to the speaking tongue: Review of the role of the motor system in speech perception. *Brain and Language*, 164, 77-105.
- Skipper, J. I.** (2015). The NOLB Model: A Model of the Natural Organization of Language and the Brain. In M. R. Willems (Ed.), *Cognitive Neuroscience of Natural language Use*. Cambridge University Press.
- Skipper, J. I.** (2014). Echoes of the spoken past: How auditory cortex hears context during speech perception. *Philosophical Transactions of the Royal Society B: Biological Sciences*. 369(1651), 20130297.
- Zevin, J. D., Datta, H., & **Skipper, J. I.** (2012). Sensitive Periods for Language and Recovery From Stroke: Conceptual and Practical Parallels. *Developmental Psychobiology*, 54(3). 332-342.

- Fenn, K. M., Shintel, H., Atkins, A. S., **Skipper, J. I.**, Bond, V. C., & Nusbaum, H. C. (2011). When less is heard than meets the ear: Change deafness in a telephone conversation. *The Quarterly Journal of Experimental Psychology*, 64(7), 1442-1456
- Zevin, J. D., Yang, J., **Skipper, J. I.**, & McCandliss, B. D. (2010). BOLD responses in temporoparietal cortex to behaviorally relevant variability in speech reflect domain-general change detection. *Journal of Neuroscience*, 30(30), 1110-1117.
- Dick, A. S., Goldin-Meadow, S., Hasson, U., **Skipper, J. I.**, & Small, S. L. (2009). Co-speech gestures influence neural activity in brain regions associated with processing semantic information. *Human Brain Mapping*, 30(11), 3509-3526.
- Skipper, J. I.**, Goldin-Meadow, S., & Small, S. L. (2009). Gestures orchestrate brain networks for language understanding. *Current Biology*, 19(8), 661-667.
- Hasson, U., **Skipper, J. I.**, Wilde, M. J., Nusbaum, H. C., & Small, S. L. (2008). Improving the analysis, storage and sharing of neuroimaging data using relational databases and distributed computing. *NeuroImage*, 32, 693-706.
- Hasson, U., **Skipper, J. I.**, Nusbaum, H. C., & Small, S. L. (2007). Abstract coding of audiovisual speech: Beyond sensory representation. *Neuron*, 56, 1116-1126.
- Skipper, J. I.**, Goldin-Meadow, S., Nusbaum, H. C., & Small, S. L. (2007). Speech associated gestures, Broca's area, and the human mirror system. *Invited paper in Brain and Language: Special issue on Gesture, Language, and Brain*, 101(3), 260-277.
- Skipper, J. I.**, van Wassenhove, V., Nusbaum, H. C., & Small, S. L. (2007). Hearing lips and seeing voices: How cortical areas supporting speech production mediate audiovisual speech perception. *Cerebral Cortex*, 17(10), 2387-2399.
- Skipper, J. I.**, Nusbaum, H. C., & Small, S. L. (2006). Lending a helping hand to hearing: Another motor theory of speech perception. In M. A. Arbib (Ed.), *Action to Language Via the Mirror Neuron System*. Cambridge, MA: Cambridge University Press.
- Skipper, J. I.**, Nusbaum, H. C., & Small, S. L. (2005). Listening to talking faces: Motor cortical activation during speech perception. *NeuroImage*, 25(1), 76-89.
- Skipper, J. I.**, & Small, S. L. (2005). fMRI studies of language. In K. Brown (Ed.), *The Encyclopedia of Language & Linguistics: 2nd Edition*. Oxford: Elsevier Science.
- Nusbaum, H. C., **Skipper, J. I.**, & Small, S. L. (2001). A sensory-attentional account of speech perception. *Behavioral and Brain Sciences*, 24(5), 939-1031.

Presentations

Invited Talks

- 2022 Understanding Neuroplasticity Induced by Tryptamines, **Drug Science, Medical Psychedelics Working Group**, Academy of Medical Sciences, London, UK.
- 2021 Aphantasia and its relationship to the neurobiology of language, inner speech, and consciousness, **Aphantasia Network and the Extreme Imagination conference**, Virtual/International.
- 2020 How and why do auditory and motor systems interact? Coghear, **Google and Stanford University**, USA.
Speech perception under the tent: A domain-general predictive role for the cerebellum, **Western University, Canada and University of California, Berkeley**, USA.
- 2018 A core speech circuit between primary motor, somatosensory, and auditory cortex: Evidence from connectivity and genetic descriptions, SCALab, **Perceptuo-motor relationships in speech communication Workshop**, University of Geneva, Geneva, Switzerland.

Brain reorganization in anticipation of predictable words, **1st Workshop on Predictive Processing, Symposium on 'Prediction, Language and the Motor System'**, San Sebastián, Spain.

Do fictional monster reflect our reality?, **The Royal Institution of Great Britain**, London, UK.

Is there a fixed organization of language and the brain?, New directions in language and action research: Implications for theory and treatment, **University College London and the Moss Rehabilitation Research Institute (MRRI)**, London, UK.

2017

A core speech circuit between primary motor, somatosensory, and auditory cortex: Evidence from connectivity and genetic descriptions, SCALab, **Université de Lille**, Lille, France.

A speech core: Evidence from structural and functional corticocortical connectivity and genetic phenotyping, Center for Research in Language, **University of California San Diego**, California, USA

Complexity matters only when it matters: Pronominal object and event reference rapidly access different aspects of situation models, **Architectures and Mechanisms of Language Processing (AMLaP)**, Lancaster, UK.

Language and Big Data Workshop, Universität Stuttgart, Stuttgart, Germany.

Languages' transmogrifier: How motor cortex helps us hear, Department of Psychology, School of Life Sciences, **University of Hull**, Hull, UK

Moss Science Hour, **Moss Rehabilitation Research Institute**, Pennsylvania, USA.

Neuroscience and Film, **New Approaches to Latin American Film Colloquium**, University College London, London, UK.

Primary motor and auditory cortex form a structurally and functionally connected circuit for speech, **Institute of Cognitive Neuroscience Seminar**, University College London, London, UK.

Understanding the network organization of communication and the brain using TV and film, **International Convention of Psychological Science (ICPS)**, Vienna, Austria.

2016

Do inconsistencies between UCL's environmental policy and actions influence intentions to engage in pro-environmental behaviours?, **Conference Day on Sustainability: Systemic Change from the Individual to the Globe**, UCLU Green Economy Society, University College London, London, UK.

2015

Context is all: There is no fixed organization of language and the brain, **EuroAsianPacific Joint Conference on Cognitive Science**, Towards a Neurobiology of Language Symposium, Turin, Italy.

Context is all: There is no fixed organization of language and the brain. Language in Context: An Ecological Turn in Embodied Language, **European Psychological Society Workshop**, London, UK.

Echoes of the spoken past: How the brain 'hears' context during spoken language comprehension, Neuroscience Seminar Series, Department of Experimental Psychology, **University of Oxford**, Oxford, UK.

Echoes of the spoken past: How the brain 'hears' nonverbal context during spoken language comprehension. 'The Social Life of Voices' symposium, **British Neuroscience Association, Festival of Neuroscience**, Edinburgh, UK.

Big questions in cognitive science workshop. Boulder, Colorado, USA.

Interdisciplinary language research from a cognitive neuroscience perspective. **Reappraising the role of linear structure in language workshop**. Lorentz Center, Leiden, Netherlands.

The natural organization of language and the brain. The School of Psychology, **University of Kent**, Canterbury, UK.

- Towards a neurobiology of conversation: Social interactive alignment as context for language understanding. Language Group, **Wellcome Trust Centre For Neuroimaging**, University College London, UK.
- Towards a neurobiology of natural language use. **Centre for Educational Neuroscience**, Birkbeck, Institute of Education, and University College London, UK.
- 2014 'And an echo murmured back the word': How the brain constructs the speech we hear. **Cognitive, Perceptual and Brain Sciences Seminar**, University College London, London, UK.
- Echoes of the Spoken Past: Why real-world speech perception is not all that auditory to the brain. 'A neurobiology of naturalistic language use?' Symposium Session at the **Sixth Annual Society for the Neurobiology of Language Conference (SNL2014)**, Amsterdam, Netherlands.
- 2013 How heard speech is a multimodal construction of the brain and what this tells us about signed languages. **DCAL: Deafness Cognition And Language Research Centre**, University College London, London, UK.
- Understanding the natural organization of language and the brain, **Autumn school Methods in Language Comprehension**, University of Trento, Rovereto, Italy.
- 2012 Hearing lips and... hands, smiles and print too: How listening to words in the wild is not all that auditory to the brain, **University College London**, Division Of Psychology And Language Sciences, London, UK.
- 2011 Lending a helping hand to hearing: How the brain extracts information from nonverbal movements to improve learning, Embodied Learning Symposium, **Marlboro College**, Marlboro, Vermont, USA.
- 2010 Co-speech gestures facilitate language comprehension by reducing subsequent reliance on brain regions associated with early sensory processing, **4th Conference of the International Society for Gesture Studies (ISGS)**, Frankfurt, Germany.
- The how and why of gesture in the brain, Workshop on the Neuroscience of Gesturing, Max Planck Institute for Human Cognitive and Brain Sciences, Leipzig, Germany
- The new organization of language and the brain, Consolider CogNeuro Seminar Series, University of Barcelona and Universitat Pompeu Fabra, Barcellona, Spain
- The new organization of language and the brain, Science Colloquium Series, Division of Natural Sciences and Mathematics, **Colgate University**, Hamilton, NY, USA.
- 2009 Context and the role of the predictive brain in real-world communication, Department of Cognitive Science, **University of California, San Diego**, La Jolla, CA, USA.
- So you think your brain is smarter than a 5th grader?, **Annual Winter Conference on Current Issues in Developmental Psychobiology**, St. Croix, Virgin Islands, USA.
- The neurobiology of communication in natural settings, The Department of Psychology Colloquium, **Cornell University**, Ithaca, New York, USA.
- The role of context and the predictive brain during real-world communication, Center for the Study of Brain, Mind, and Behavior (CSBMB), **Princeton University**, Princeton, NY, USA.
- 2008 Improving the analysis, storage and sharing of neuroimaging data using R, MySQL, and distributed computing, Sackler Science Meeting, **Weill Medical College of Cornell University**, New York, NY, USA.
- Lending a helping hand to hearing: Speech associated gestures and the relationship between Broca's area, the cortical motor system, and the mirror system, Gesture Focus Group, **Stony Brook University**, Stony Brook, NY, USA.

Two scientists and a cup: How the brain keeps track of each actor during joint action, Cognitive Brown Bag Series, Department of Psychological and Brain Sciences, **Dartmouth College**, Hanover, NH, USA.

2007 Gestures in the brain's language, **International Society for Gesture Studies**, panel on Neurocognition of gesture, Chicago, IL, USA.

2006 Gestures in the brain's language, Fall Psychology Colloquium Series, **Rutgers University**, Newark, New Jersey, USA.

Hearing lips and seeing voices: How cortical areas supporting speech production mediate audiovisual speech perception, **Haskins Laboratories**, New Haven, Connecticut, USA.

Lending a helping hand to hearing: The role of the cortical motor system in face-to-face communication, Embodied Communication, Joint Action, Social Understanding workshop, **ZiF, Universitat Bielefeld**, Bielefeld, Germany.

Speech associated gestures and the relationship between Broca's area and the language mirror system, **Architecture of Language**, Pisa, Italy.

The cortical motor system simulates action descriptions conveyed by words and gestures, **Annual Meeting of the Cognitive Neuroscience Society**, San Francisco, CA, USA.

2005 Lending a helping hand to hearing: The role of the cortical motor system in face-to-face communication, Cognitive Brown Bag in Psychology, **The University of Chicago**, Chicago, IL, USA.

Face to face social interaction and inferior frontal processing, **Annual Meeting of the Midwestern Psychological Association**, Chicago, IL, USA.

Hearing lips: speech perception and a frontal neural system for motor simulation, **Annual University of Chicago/Northwestern University Psychology Graduate Students Symposium**, Chicago, IL, USA.

Published Abstracts

2022 Blackburne, G., Cooper, G., & **Skipper, J. I.** (2022). Propofol disrupts asynchronous functional connectivity architectures in the human brain that are associated with the processing of complex stimuli. Paper presented at the 25th annual meeting of the Association for the Scientific Study of Consciousness, Amsterdam, The Netherlands.

Cooper, G., Blackburne, G., & **Skipper, J. I.** (2022). Cortical feedback over long delays into auditory cortices supports real-world language processing. Paper presented at the 14th Annual Society for the Neurobiology of Language Conference (SNL2022), Philadelphia, Pennsylvania, USA.

Glotfelty, A., Aliko, S., Wang, B., Small, S. L., & **Skipper, J. I.** (2022). Emotional processing of taboo words in naturalistic stimuli. Paper presented at the 14th Annual Society for the Neurobiology of Language Conference (SNL2022), Philadelphia, Pennsylvania, USA.

Harle, R., Glennon, M., Blackburne, G., Cooper, G., & **Skipper, J. I.** (2022). The neurobiology of language mediates alterations in conscious experience induced by psychedelic drugs. Paper presented at the 14th Annual Society for the Neurobiology of Language Conference (SNL2022), Philadelphia, Pennsylvania, USA.

Kewenig, V., Vigliocco, G., **Skipper, J. I.** (2022). When abstract becomes concrete: the neurobiology of conceptual processing in the real world. Paper presented at the 14th Annual Society for the Neurobiology of Language Conference (SNL2022), Philadelphia, Pennsylvania, USA.

Kirk, P. A., Holmes, A. J., **Skipper, J. I.**, & Robinson, O. J. (2022). Can Naturalistic fMRI Widen Our Understanding of Anxiety? Paper presented at The Organization for Human Brain Mapping (OHBM), Glasgow, Scotland.

- Lametti, D. R., Vaillancourt, G., & **Skipper, J. I.** (2022). Visuomotor adaptation of co-speech hand movements is partially tied to speech production. Paper presented at The Canadian Society for Brain, Behaviour and Cognitive Science (CSBBCS), Halifax, Canada.
- Wang, B., Aliko, S., & **Skipper, J. I.** (2022). Dynamic, multi-core-periphery architectures support the neurobiology of language in the real-world. Paper presented at the 14th Annual Society for the Neurobiology of Language Conference (SNL2022), Philadelphia, Pennsylvania, USA.
- Wang, B., Aliko, S., & **Skipper, J. I.** (2022). 'Language regions' are artifacts of averaging. Paper presented at the 14th Annual Society for the Neurobiology of Language Conference (SNL2022), Philadelphia, Pennsylvania, USA.
- Yeh, Y. J., Muraz, M., Beltran, N., & **Skipper, J. I.** (2022). The neurobiology of processing multiple emotional cues during language comprehension. Paper presented at the 14th Annual Society for the Neurobiology of Language Conference (SNL2022), Philadelphia, Pennsylvania, USA.
- 2021
 Glotfelty, A., **Skipper, J. I.**, Aliko, S., & Small, S. L. (2021). Unique features of brain processing of expletives in naturalistic context. Paper presented at the 13th Annual Society for the Neurobiology of Language Conference (SNL2021), Virtual, International.
- Wang, B., Aliko, S., & **Skipper, J. I.** (2021). Co-speech gestures impact the whole-brain distribution of brain regions involved in the semantic representation of words. Paper presented at the Society for Neuroscience, Chicago, Illinois, USA.
- 2019
 Aliko, S., Gheorghiu, F., & **Skipper, J. I.** (2019). The network architecture for natural language in the brain is not fixed. Paper presented at the 11th Annual Society for the Neurobiology of Language Conference (SNL2019), Helsinki, Finland.
- Lametti, D. R., Bobbit, S., & **Skipper, J. I.** (2019). Distinct Speech Production and Speech Perception Regions in the Human Cerebellum: A Neuroimaging Meta-Analysis. Paper presented at the 11th Annual Society for the Neurobiology of Language Conference (SNL2019), Helsinki, Finland.
- Johnston, A., Scholes, C., & **Skipper, J. I.** (2019). The relationship between facial speech cues and vocal tract configuration. Paper presented at The Vision Sciences Society (VSS), St. Pete Beach, Florida, USA.
- 2018
 Pinto-Orellana, M. A., Ting, C-M., **Skipper, J. I.**, Small, S. L., Ombao, H. (2018). Switching Regimes: Time Series Models with Application to Changes Brain Connectivity in an fMRI-Movie Experiment. Paper presented at the Joint Statistical Meetings (JSM), Vancouver, British Columbia, Canada.
- Scholes, C., Brown, B., **Skipper, J. I.**, & Johnston, A. (2018). Visual Aid for Hearing Aids Results. Paper presented at ARCHES (Audiological Research Cores in Europe), Nottingham, UK.
- 2016
 Jo, Y. J., Brown, S., Lametti, D., Lo, S., Molimpakis, E., & **Skipper, J. I.** (2016). Reorganization of the neurobiology of speech perception after sentence overlearning. Paper presented at the Sixth Annual Society for the Neurobiology of Language Conference (SNL2016), London, UK.
- Skipper, J. I.**, Devlin, J., & Lametti, D. (2016). Distributed networks of speech production regions play a context determined role in speech perception. Paper presented at the Sixth Annual Society for the Neurobiology of Language Conference (SNL2016), London, UK.
- 2014
Skipper, J. I., Arenson, A., Cosgrove, C., & Hannon, J. (2014). Putting the text in neural context: Short term experiential reorganization of language and the brain. Paper presented at the Sixth Annual Society for the Neurobiology of Language Conference (SNL2014), Amsterdam, Netherlands.
- Walsh, R. R., Rao, S. & **Skipper, J. I.** (2014). Proof of principle for a novel method of detecting brain network patterns during action-observation. Paper presented at the MDS 18th International Congress of Parkinson's Disease and Movement Disorders, Stockholm, Sweden.

- 2013 Gaudet, E., Buis, B., & **Skipper, J. I.** (2013). A situation at hand: Sign language learning dynamically re-organizes spoken language comprehension and the brain. Paper presented at the 20th Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA, USA.
- Seligson, E., Calabrese, M., Azdair, J. & **Skipper, J. I.** (2013). Languages' transmogrifier: The role of motor cortex in processing observed iconic co-speech gestures. Paper presented at the Organization for Human Brain Mapping, Seattle, Washington, USA.
- 2012 Briggs, S. R., & **Skipper, J. I.** (2012). Re-visioning language and the brain: Auditory language comprehension is dynamically supported by visual cortex. Paper presented at the The Fourth Annual Neurobiology of Language Conference, San Sebastian, Spain.
- Calabrese, M., Kane, S., Zevin, J. D., & **Skipper, J. I.** (2012). Spatially separable networks for observed mouth and gesture movements during language comprehension. Paper presented at the 19th Annual Meeting of the Cognitive Neuroscience Society, Chicago, IL, USA.
- O'Brien, A., Safran, J., & **Skipper, J. I.** (2012). Emotions speak louder, then words: Non-verbal emotional cues predict forthcoming words. Paper presented at the 19th Annual Meeting of the Cognitive Neuroscience Society, Chicago, IL, USA.
- Yang, J., **Skipper, J. I.**, & Zevin, J. D. (2012). Natural language comprehension in Japanese-English bilinguals. Paper presented at the 18th Annual Meeting of the Organization for Human Brain Mapping, Beijing, China.
- 2011 Jampol, L. E., **Skipper, J. I.**, & Gilovich, T. (2011). Embodied language and decision making. Paper presented at the 12th Annual Meeting of the Society for Personality and Social Psychology, San Antonio, Texas, USA.
- 2010 **Skipper, J. I.** & Zevin, J. D. (2010). When your brain stops listening: Predicted discourse content causes the response in auditory cortex to decay. Paper presented at the Organization for Human Brain Mapping, Barcelona, Spain.
- Skipper, J. I.** & Zevin, J. D. (2010). How the brain predicts forthcoming words during sentence listening. Paper presented at the Annual Meeting of the Cognitive Neuroscience Society, Montreal, Canada.
- 2009 Liu, R., **Skipper, J. I.**, McCandliss, B. D., & Zevin, J. D. (2009). Neural activity underlying passive perception of native vs. non-native contrasts. Paper presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA, USA.
- Skipper, J. I.**, Liu, R., McCandliss, B. D., & Zevin, J. D. (2009). The brain uses co-speech gestures to set the context for speech understanding. Paper presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA, USA.
- Skipper, J. I.** & Sebanz, N. (2009). Dynamic functional reorganization of the brain when observed individual actions become joint actions. Paper presented at the Joint Action Meeting (JAM3), Amsterdam, Netherlands.
- Skipper, J. I.** & Zevin, J. D. (2009). The neurobiology of communication in natural settings. Paper presented at the first Neurobiology of Language Conference (NLC2009), Chicago, IL, USA.
- Zevin, J. D., Yang, J., **Skipper, J. I.**, & McCandliss, B. D. (2009). Responses to two types of behaviorally relevant variability in speech in a passive fMRI paradigm. Paper presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA, USA.
- 2008 Jones, R. M., Zevin, J. D., **Skipper, J. I.**, Casey, B. J. & Tottenham, N. (2008). The neural mosaics of face sensitivity across development: a multivariate approach. Paper presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA, USA.
- Skipper, J. I.**, Dobryakova, E., & Sebanz, N. (2008). Observing joint actions: the brain keeps tabs on each actor's movements in segregated processing streams. Paper presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA, USA.

Skipper, J. I., Dobryakova, E., & Sebanz, N. (2008). Observing multiple people acting: Separability of cortical processing streams associated with each person's actions. Paper presented at the Organization for Human Brain Mapping, Melbourne, Australia.

Zevin, J. D., Ferri, J. M., **Skipper, J. I.**, & McCandliss, B. D. (2008). Change detection to speech sounds in the auditory dorsal stream. Slide presentation presented at the Society for Neuroscience Meeting, Washington DC, USA.

Zevin, J. D. , Ferri, J. M., **Skipper, J. I.** & McCandliss, B. D. (2008). Supramarginal and angular gyri respond to acoustic changes that are also phonetic but not because of habituation to phoneme identity. Paper presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA, USA.

2007

Chen, E. E., **Skipper, J. I.**, & Small, S. L. (2007). Revealing tuning functions with brain imaging data using a peak fit analysis. Paper presented at the Organization for Human Brain Mapping, Chicago, IL, USA.

Hlustik, P., Opavsky, J., Mayer, M., Bezdekova, D., **Skipper, J. I.**, Solodkin, A., Small, S. L. Kocher, M., & Kanovsky, P. (2007). Emotional speech modulates network activation during hand movement by stroke patients. Paper presented at the Organization for Human Brain Mapping, Chicago, IL, USA.

Skipper, J. I., Goldin-Meadow, S., Nusbaum, H. C., & Small, S. L. (2007). Observed iconic and metaphoric speech-associated gestures are processed differently by ventral and dorsal premotor cortex. Paper presented at the Annual Meeting of the Cognitive Neuroscience Society, New York, NY, USA.

2006

Hasson, U., **Skipper, J. I.**, Nusbaum, H. C., & Small, S. L. (2006). The recent audiovisual past affects speech processing via modulation of neural activity in auditory and visual regions. Paper presented at the Architecture of Language, Pisa, Italy.

Hasson, U., **Skipper, J. I.**, Nusbaum, H. C., & Small, S. L. (2006). How is audiovisual speech processing affected by the recent audiovisual past? An fMRI study. Paper presented at the International Conference on Cognitive and Neural Systems, Boston, MA.

Josse, G., **Skipper, J. I.**, Chen, E. E., Goldin-Meadow, S., & Small, S. L. (2006). Meaningful mouth and hand movements play a role in language comprehension: Evidence from fMRI. Paper presented at the Organization for Human Brain Mapping.

Liang, J., **Skipper, J. I.**, & Small, S. L. (2006). Increased brain activity in the observation-execution matching system for animated versus real faces during audiovisual speech perception. Paper presented at the Organization for Human Brain Mapping, Florence, Italy.

Skipper, J. I., Goldin-Meadow, S., Nusbaum, H. C., & Small, S. L. (2006). Speech associated gestures and the relationship between Broca's area and the language mirror system. Paper presented at the Architecture of Language, Pisa, Italy.

Skipper, J. I., Goldin-Meadow, S., & Small, S. L. (2006). Neurophysiological networks for extracting meaning from hand and face movements relevant to spoken language comprehension. Paper presented at the Organization for Human Brain Mapping, Florence, Italy.

Skipper, J. I., Goldin-Meadow, S., & Small, S. L. (2006). The role of hand and face movements in the biology of spoken language comprehension: A network approach. Paper presented at Neurocognition of Gesture Processing, Leipzig, Germany.

Skipper, J. I., Nusbaum, H. C., Josse, G., Goldin-Meadow, S., & Small, S. L. (2006). The cortical motor system simulates action descriptions conveyed by words and gestures. Paper presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA, USA.

Wier, H. Y., Hasson, U., **Skipper, J. I.**, Raja, A., & Small, S. L. (2006). Virtual brain transplantation: An approach for accurate registration and parcellation of brain injured patients. Paper presented at the Organization for Human Brain Mapping, Florence, Italy.

- 2005 Hummer, T., **Skipper, J. I.**, Norris, C., & Small, S. L. (2005). Neural correlates of emotional processing during the audiovisual presentation of stories. Paper presented at the Organization for Human Brain Mapping, Toronto, Canada.
- Josse, G., Suriyakham, L. W., **Skipper, J. I.**, Levine, S. C., Goldin-Meadow, S., Huttenlocher, P., et al. (2005). Language-associated gesture modulates areas of the brain involved in action observation and language comprehension. Paper presented at the Organization for Human Brain Mapping, Toronto, Canada.
- Skipper, J. I.**, Nusbaum, H. C., van Wassenhove, V., Barber, C., Chen, E. E., & Small, S. L. (2005). The role of ventral premotor and primary motor cortex in audiovisual speech perception. Paper presented at the Organization for Human Brain Mapping, Toronto, Canada.
- Skipper, J. I.**, Wymbs, N. F., Lobo, N., Cherney, L. R., & Small, S. L. (2005). Common motor circuitry for audiovisual speech imitation and audiovisual speech perception. Paper presented at the Organization for Human Brain Mapping, Toronto, Canada.
- 2004 Fenn, K. M., Atkins, A. S., **Skipper, J. I.**, Bond, V., & Nusbaum, H. C. (2004). Change deafness in a telephone conversation. Paper presented at the 45th Annual Meeting of the Psychonomic Society, Minneapolis, Minnesota, USA.
- Skipper, J. I.**, Nusbaum, H. C., van Wassenhove, V., Dick, F., & Small, S. L. (2004). Your brain says what it sees: Motor mechanisms of audiovisual speech perception. Paper presented at the Organization for Human Brain Mapping, Budapest, Hungary.
- Skipper, J. I.**, van Wassenhove, V., Nusbaum, H. C., & Small, S. L. (2004). Hearing lips and seeing voices in the brain: Motor mechanism of speech perception. Paper presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA, USA.
- 2003 **Skipper, J. I.**, Nusbaum, H. C., & Small, S. L. (2003). Face to face social interaction and inferior frontal processing. Paper presented at the Annual Meeting of the Midwestern Psychological Association, Chicago, IL, USA.
- Skipper, J. I.**, Nusbaum, H. C., & Small, S. L. (2003). Sentence-level repetition priming as measured by brain activity is modulated by syntactic complexity and task demands. Paper presented at the Organization for Human Brain Mapping, New York, NY, USA.
- Solodkin, A., Hlustik, P., **Skipper, J. I.**, & Small, S. L. (2003). Motor imagery: A novel perspective on the network organization of the motor system in the human brain. Paper presented at the Organization for Human Brain Mapping, New York, NY, USA.
- Wong, P. C. M., Nusbaum, H. C., **Skipper, J. I.**, & Small, S. L. (2003). Cortical activation associated with lexical tone acquisition. Paper presented at the Annual Meeting of the Cognitive Neuroscience Society, New York, NY, USA.
- 2002 **Skipper, J. I.**, Nusbaum, H. C., & Small, S. L. (2002). Speech perception and the inferior frontal neural system for motor imitation. Paper presented at the Annual Meeting of the Cognitive Neuroscience Society, San Francisco, CA, USA.
- 2001 **Skipper, J. I.**, Nusbaum, H., & Small, S. L. (2001). Language processing without motor processing is bilaterally symmetric. Paper presented at the American Academy of Neurology 53rd annual meeting, Philadelphia, Pennsylvania, USA.
- Skipper, J. I.**, Nusbaum, H. C., & Small, S. L. (2001). On the non-independence of language subcomponents. Paper presented at the Organization for Human Brain Mapping, Brighton, UK.

Open-Science

- 2020 The Naturalistic Neuroimaging Database (**NNDb**) consists of N=86 participants watching one of 10 full-length movies during functional magnetic resonance imaging (fMRI). The NNDb is available

for download at:
<https://openneuro.org/datasets/ds002837/>

All analysis code is available at:
<https://github.com/lab-lab/nndb>

The NNDb is also available on the NeuroScout platform for fast and flexible public re-analysis of naturalistic fMRI studies; See:
<https://neuroscout.org/>

Workshops

- 2016 Co-organizer of **Sensorimotor Speech Processing Symposium**, Communication & Cognition Research Group, Department of Experimental Psychology, University of Oxford, London, UK.
External Discussants for **Events in Language and Cognition**, in conjunction with the 29th Annual CUNY Conference on Human Sentence Processing, hosted by the University of Florida, Gainesville, FL, USA.
- 2015 Co-organizer of **Language in context: An ecological turn in embodied language** workshop sponsored by the Experimental Psychology Society (EPS), London, UK.

Teaching

- 2013 - Present Academic and Personal Development Seminar
Cognitive Psychology (PSYC0243)
Communicating Brains, Social Neuroscience (PSYCGS04)
Introduction to Psychology for Biology Majors (PSYC6002)
Language in Context (PSYC3213)
Multimodal Communication and Cognition (PSYCG212)
'The role of auditory cortex in processing speech', Neuroscience of Language (PALSG103); Systems and Circuits Neuroscience (ANATG010)
Psychology and Climate Change
University College London, London, UK
- 2010 - 2013 Brain and Behavior - Neuroscience/Psychology (205-01F/S)
Lab, Action, and Brain Lab - Neuroscience/Psychology (347F)
Senior Projects in Neuroscience and Psychology - Neuroscience/Psychology (500F-501S)
Social Brain - Neuroscience/Psychology (366S)
Hamilton College, Clinton, NY, USA
- 2008 Novel approaches to fMRI analysis, John Merck Fund Summer Institute on the Biology of Developmental Disabilities, **Cornell University**, Ithaca, New York, USA.
Improving the analysis, storage and sharing of neuroimaging data using R, MySQL, and distributed computing, Sackler Science Meeting, **Weill Medical College of Cornell University**, New York, NY, USA.
- 2004 - 2006 Teaching Assistant, Dr. Anne Henly, Mind I, II, and III
Social Sciences 14100, **The University of Chicago**, Chicago, IL, USA.
- 2006 Lecture in 'fMRI methods' taught by Steven L. Small, **The University of Chicago**, Chicago, IL, USA.

- 2005 Lecture in 'Language and Thought' taught by Dr. David McNeill, **The University of Chicago**, Chicago, IL, USA.
- 2004 Your brain says what it sees: motor mechanisms of audiovisual speech perception, Brain Research Imaging Center Roundtable, **The University of Chicago**, Chicago, IL, USA.
- 2003 Differences between audio and audiovisual language comprehension, Brain Research Imaging Center Roundtable, **The University of Chicago**, Chicago, IL, USA.
- 2002 Hearing lips and seeing voices: from audiovisual speech to audiovisual neurons, Brain Research Imaging Center Roundtable, **The University of Chicago**, Chicago, IL, USA.
- 2001 A tale of two hemispheres: an fMRI investigation of variable asymmetry in discourse processing, Brain Research Imaging Center Roundtable, **The University of Chicago**, Chicago, IL, USA.

Academic Supervision

- 2021-Present Primary Supervisor for a PhD student awarded the 1st Year Labs Career Development Studentship/Head Demonstrator, Psychology & Language Sciences, UCL (Agathe Fauchille).
- Primary Supervisor for a PhD student from the London Interdisciplinary Biosciences Consortium Biotechnology and Biological Sciences Research Council Doctoral Training Partnership, UCL (Regan Harle).
- Primary Supervisor for a PhD student in Experimental Psychology, UCL (Winne Yi Jou Ye).
- Second Supervisor for a PhD student in Clinical, Educational and Health Psychology, UCL (Marcus Glennon).
- Second Supervisor for a PhD student at the University of Texas, Dallas (Annette Glotfelty).
- Second Supervisor for a PhD student at Birkbeck University, UK (Egor Levchenko).
- Second Supervisor for a PhD student in Clinical, Educational and Health Psychology, UCL (Shelan Ofori).
- Second Supervisor for a PhD student from the London Interdisciplinary Biosciences Consortium Biotechnology and Biological Sciences Research Council Doctoral Training Partnership, UCL (Oris Shenyan).
- Rotation Supervisor for a PhD student from the London Interdisciplinary Biosciences Consortium Biotechnology and Biological Sciences Research Council Doctoral Training Partnership, UCL (Regan Harle).
- Rotation Supervisor for a PhD student in the Ecological Brain Doctoral Training Program, UCL (Ava Scott).
- Erasmus Programme student, Theoretical and Experimental Psychology, University of Ghent, Belgium (Eva Davey)
- Research Assistant, UCL (George Blackburne).
- Research Assistant, UCL (Charlotte Guo)
- Research Assistant, UCL (Rachel Morse).
- 2020-Present Second Supervisor for a PhD student in Experimental Psychology, UCL (Liam Barrett).
- Second Supervisor for a PhD student in Clinical, Educational and Health Psychology, UCL (Greg Cooper).
- Second Supervisor for a PhD student in the Ecological Brain Doctoral Training Program, UCL (Viktor Kewenig).
- Rotation Supervisor for a PhD student in the Ecological Brain Doctoral Training Program, UCL (Viktor Kewenig).

2019-Present	Second Supervisor for a PhD student at the University of Reading (Stefanie Meliss).
2019-2020	Full-time Research Assistant, UCL (Eric Jiawen Huang).
2018-Present	Newton International Postdoctoral Fellow, UCL (Dyutiman Mukhopadhyay). Primary Supervisor for a PhD student from the London Interdisciplinary Biosciences Consortium Biotechnology and Biological Sciences Research Council Doctoral Training Partnership, UCL (Sarah Aliko).
2018-2020	Primary Supervisor for a MPhil student from the Engineering and Physical Sciences Research Council Doctoral Training Partnership, UCL (Florin Gheorghiu).
2017-Present	PhD 2nd Supervisor to Danny Ball
2016-Present	PhD 1st Supervisor to Yoon Ju Jo; PhD 2nd Supervisor to Young-Jin Hur; Two Postdoctoral Fellows from EPSRC grant (Drs Abbas Haydari and Cat Le)
2013-2017	PhD 2nd Supervisor to Dr Jorina von Zimmermann
2015-2016	Two BSc Psychology students, PSYC3901, 3rd year Research Project; Three BSc Computer Science, UCL Industry Exchange Programme students; Three MSc student projects; Nine BSc Psychology students, PSYC2203, Research and Quantitative Methods in Psychology, 'mini-projects'.
2014-2015	Four BSc Psychology students, PSYC3901, 3rd year Research Project; Four BSc Psychology students, PSYC2203, Research and Quantitative Methods in Psychology, 'mini-projects'; MSc Neuroscience - Stephen Brown; MSc Language Sciences (with specialisation in Neuroscience & Communication) - Kung (Zhern) Majoe.
2013-2014	Postdoctoral Fellow, co-supervised Andrew Mattarella-Micke at Vanderbilt University from my NIH grant; Three BSc Psychology students, PSYC2203, Research and Quantitative Methods in Psychology, 'mini-projects'.
2010-2013	10 students in NEURO/PSYCH500, Senior Projects in Neuroscience/Psychology at Hamilton College; Greater than 15 students for Summer Research in Psychology/Neuroscience.
2012-2013	Research Assistant - Supervised John Pellman who was a Research Assistant and Lab Manager for me at Hamilton College, paid from my NIH grant.

Academic Service

2021 - Present	Divisional representative to the 'Faculty Sustainability Committee'
2020 - Present	UCL Experimental Psychology COVID-19 Response Group
2018 - Present	Co-Founder and Senior Editor for Innovation of the Neurobiology of Language journal, MIT Press. See: https://www.mitpressjournals.org/journals/nol/editorial
2018	Guest Editor of the special issue Brain and Language (Volume 187; Pages 1-114): 'Sensorimotor Speech Processing'
2017 - Present	PALS Psychology Pathway Representative for the UBEL Doctoral Training Program, UCL
2016 - Present	Graduate Tutor, Department of Experimental Psychology, UCL

NIH Motor Function, Speech and Rehabilitation Study Section, 2013
NICHD's Scientific Vision: The Next Decade - Workshop on Cognition

Journal Reviewer BMC Neuroscience; Brain and Language; Cerebral Cortex; Current Biology; Cognition; Cognitive Science Society; Frontiers in Language Sciences; Human Brain Mapping; NeuroImage; Neuropsychologia; Etc.

Professional Memberships

2010 - Present Society for the Neurobiology of Language
2009 - Present Society for Neuroscience
2009 - Present New York Academy of Sciences
2002 - Present Cognitive Neuroscience Society
2002 - Present The Organization for Human Brain Mapping
2003 - 2004 Midwestern Psychological Association
2002 - 2003 American Academy of Neurology