

Sinead Hsi-Yi Chen

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Education

2013 – 2017 **PhD in Psychology and Language Sciences**, Institute of Cognitive Neuroscience,
University College London, United Kingdom.

*Thesis: An investigation of Laughing and Crying: from developmental, physiological and
neuroimaging studies.*

Supervisor: Professor Sophie Scott

2005 – 2007 **MSc in the Institute of Cognitive Neuroscience**, National Central University, Taiwan

*Thesis: The semantic and orthographic contribution to Verbal STM: Evidence from behavioural and
neuroimaging experiments*

Supervisor: Professor Denise H. Wu

2001 – 2005 **B.S. Psychology**. Chung Yuan Christian University, Taiwan

Employment History

2018 – present **Postdoctoral researcher, PI: Prof Kuei-Tien Chou** Science Media Center, Risk
Society and Policy Research Center, National Taiwan University, Taipei, Taiwan

2017 **Research Assistant, PI: Prof Sophie Scott** Institute of Cognitive Neuroscience,
University College London, London, UK

2011 – 2013 **Research Assistant, PI: Prof Denise H. Wu** Institute of Cognitive Neuroscience,
National Central University, Jung-Li, Taiwan

Research Skills

1. fMRI
2. Programming skills: Matlab, psychtoolbox, SPM
3. Pupillometry analysis
4. LabChart: recording and analysing physiological responses (i.e., GSR, heart rate, breath rate)
5. Statistics: SPSS and JMP
6. Recruited 1,800 participants within a six-weeks-long project at the Science Museum
7. Tested population: healthy adults, children, older people

Funding and Awards

- 2015 Donders Discussion 2015 Travel cost
- 2013 – 2016 Taiwan Government Scholarship - 3 years to support PhD studies
- 2005 – 2007 Ministry of Science and Technology Graduate Research Assistant Subsidy in Taiwan

Publications

Saloni Krishnan, César F Lima, Samuel Evans, **Sinead Chen**, Stella Guldner, Harry Yeff, Tom Manly, Sophie K Scott. Beatboxers and Guitarists Engage Sensorimotor Regions Selectively When Listening to the Instruments They Can Play. *Cerebral Cortex*, 2018

Chen, H.-Y., Chang, E. C., **Chen, S. H. Y.**, Lin, Y., & Wu, D. H. (2016). Functional and anatomical dissociation between the orthographic lexicon and the orthographic buffer revealed in reading and writing Chinese characters by fMRI. *NeuroImage*, 129, 105–116.

Meekings, S., Boebinger, D., Evans, S., **Chen, S.**, Ostarek, M. and Scott, S. K. (2015). Do we know what we are saying? *Psychological Science*, 26 (12), 1975-1977.

Scott SK, Lavan N, **Chen S** & McGettigan C (2014). The social life of laughter. *Trends in Cognitive Sciences*, 18(12), 618-620.

Presentations and Invited talks

- 08/2016 Neural mechanisms for the perception of voluntary and involuntary emotional vocalisations (poster at Society for the Neurobiology of Language [SNL] 2016 in London)
- 04/2016 Developmental changes in the perception of emotional vocalizations (poster at Cognitive Neuroscience Society [CNS] 2016 in New York)
- 11/2015 Donders Discussion: Developmental changes in the perception of emotional vocalizations (talk at Donders institute)
- 10/2015 Developmental changes in the perception of emotional vocalizations vocalisations (poster at Society for the Neurobiology of Language [SNL] and Society for Neuroscience [SFN] 2016 in Chicago)
- 04/2015 Listen to tears: perceptual and physiological differences between genuine and voluntary emotional vocalizations (poster at Cognitive Neuroscience Society [CNS] 2015 in San Francisco)
- 11/2014 Listen to tears: perceptual and physiological differences between genuine and voluntary emotional vocalizations (poster at Society for Neuroscience [SFN] 2014 in Washington)
- 08/2014 Believe my tears: perceptual and physiological differences between genuine and voluntary emotional vocalizations (poster at Society for the Neurobiology of Language [SNL] 2014 in Amsterdam)

Public engagement

- 07/2017 **Summer Science Exhibition held by The Royal Society** – Volunteering at an exhibit about voice production and perception, engaging varied audience in hands-on experience of scientific research.
- 06/2016 **BBC: Horizon** – Assisting Prof. Scott to show breath changes of few participants while they were breathing and laughing.
- 06/2015 **School event** – Collect data and explain how the breath belt works with speech and laughter to a hundred 14-year-old children.
- 04/2015 **Science Museum: Life Science** – Conducting, explaining and discussing scientific experiments to all-ages visitors at the Science Museum.
- 01/2015 **INSPIRE PE event held by The Royal Institute.** Topic: Good listeners and smooth talkers: Spoken communication in a challenging world. – Showing the techniques of recording galvanic skin response and breath rate to the public.