

# Dr. Chun-Ting Hsu

Brain, Language, and Computation Lab  
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## EMPLOYMENTS

- 2016.05 – present     **Postdoctoral Scholar,**  
Brain, Language, and Computation Lab supervised by Professor Ping Li  
Department of Psychology, College of Liberal Arts, Pennsylvania State University
- 2015.02 – 2016.04     **Postdoctoral Research Associate,**  
Research Group of Dr. Bhismadev Chakrabarti,  
School of Psychology and Clinical Language Sciences, University of Reading, UK
- 2010.11 – 2013.09     **Research Assistant,**  
Research Group of Dr. Markus Conrad and Professor Arthur M. Jacobs,  
Department of Education and Psychology, Freie Universität Berlin, Germany

## ACADEMIC EDUCATION

- 2010.11 – 2014.12     **Doctorate of Philosophy (Dr. phil.),**  
Department of Education and Psychology, Freie Universität Berlin, Germany  
Thesis: *Textual emotion potential, fiction feelings, and immersion:  
an fMRI study testing the neurocognitive poetics model of literary reading*  
Supervision: Dr. Markus Conrad and Professor Arthur M. Jacobs
- 2008.10 – 2010.10     **Master of Science,**  
Integrative Neuroscience Master Program (international program in English),  
Otto-von-Guericke-University-Magdeburg, Germany  
Thesis: *Neural processing of pitch variations in speech and music*  
Supervision: Dr. Nicole Angenstein and Dr. André Brechmann  
The Special Lab of Non-Invasive Brain Imaging,  
Leibniz Institute for Neurobiology, Magdeburg, Germany
- 1999.09 – 2006.06.     **Doctor of Medicine,**  
Department of Medicine, National Taiwan University, Taiwan

## EXPERIMENTAL SKILLS

Basic principles and experimental design of EEG, fMRI, MEG and PET studies  
fMRI: GLM and dynamic causal modeling with **SPM8/12**, region of interest analysis with **Marsbar**,  
generalized PPI with the toolbox **PPPI**, multivariate pattern analysis (MVPA) with **PRoNTo**  
sMRI: VBM with SPM8  
EEG: Data processing and fourier transformation with BrainVision Analyser  
SCR: Data processing analysis with **SCRalyze**  
TMS: Transcranial Magnetic and Electrical Stimulation Workshop (TMS/tDCS/tACS/tRNS),  
2012, Göttingen, Germany  
Programming software: **Presentation** (Neurobehavioral Systems) and **Matlab**  
Statistics Software: **RStudio**, **SPSS** and **JMP**

## PUBLICATIONS

**Hsu, C.-T., Conrad, M., & Jacobs, A. M. (2014).** Fiction feelings in Harry Potter: haemodynamic response in the mid-cingulate cortex correlates with immersive reading experience. *NeuroReport*. 25: 1356-1361. doi: 10.1097/WNR.0000000000000272

**Hsu, C.-T., Jacobs, A. M., & Conrad, M. (2015).** Can Harry Potter still put a spell on us in a second language? An fMRI study on reading emotion-laden literature in late bilinguals. *Cortex*. 63, 282-295. doi: 10.1016/j.cortex.2014.09.002

**Hsu, C.-T., Jacobs, A. M., Citron, F. M. M., & Conrad, M. (2015).** The emotion potential of words and passages in reading Harry Potter - an fMRI study. *Brain Lang*, 142, 96-114. doi: 10.1016/j.bandl.2015.01.011

**Hsu, C.-T., Jacobs, A. M., Altmann, U., & Conrad, M. (2015).** The magical activation of left amygdala when reading Harry Potter: An fMRI study on how descriptions of supra-natural events entertain and enchant. *PLoS One*, 10(2), e0118179. doi: 10.1371/journal.pone.0118179

**Hsu, C.-T.\*, Neufeld, J.\*, & Chakrabarti, B. (in preparation).** Reduced reward-related striatal response to imitation in individuals with autism.

**Hsu, C.-T.\*, Sims, T.\*, & Chakrabarti, B. (in preparation).** How mimicry influences the neural correlates of reward.

\* Equal contribution

## CONFERENCE CONTRIBUTIONS

Hsu, C.-T., Jacobs, A. M., & Conrad, M. (2013) *Bilingualism and affectivity in reading: an fMRI study*. Poster presented at the *11th Symposium of Psycholinguistics*, Tenerife, Spain, March 2013

Hsu, C.-T., Jacobs, A. M., & Conrad, M. (2013) *Bilingualism and affectivity in reading: an fMRI study*. Talk held within the symposium: "Languages of Emotion", at the *Tagung experimentell arbeitender Psychologen (Conference of Experimental Psychologists)*, Vienna, Austria, March 2013

Hsu, C.-T., Conrad, M., Citron, F. M. M., Jacobs, A. M. (2014) *The emotion potential of words in literary reading - An fMRI study*. Talk held at the *14th Conference of the International Society for the Empirical Study of Literature and Media*, Turin, Italy, July 2014

Hsu, C.-T.\*, Neufeld, J.\*, and Chakrabarti, B. (2015) *Reduced reward-related striatal response to imitation in individuals with autism*. Talk held in the nanosymposium "Individual Differences" at the Society for Neuroscience conference *Neuroscience 2015*, Chicago, USA, October 2015

Hsu, C.-T.\*, Sims, T.\*, Chakrabarti, B. (2015) *How mimicry influences the neural correlates of reward*. Poster presented at the *Society for Social Neuroscience 2015 Annual Meeting*, Chicago, USA, October 2015

\* Equal contribution