

# Shin-ae Yoon

## Curriculum Vitae

### Research Interest

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Psycholinguistics, Neurolinguistics, Pragmatics, Syntactic and sentence processing, Dynamic causal modeling, Neuromodulation, Brain causal connectivity

### Education

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2006.8	B.S.	English Literature	Konkuk University
2009.8	M.S.	Psycholinguistics	Konkuk University
2016.2	Ph.D	Cognitive Science - Psycholinguistics	Yonsei University

### Professional Experience

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September 2010 to present	Researcher (Prof. Hae-Jeong Park), Department of Nuclear Medicine, Yonsei University College of Medicine
September 2006 to August 2008	Researcher (Prof. Upyong, Hong), Department of Communication, Konkuk University

### Teaching Experience

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2010.03	<b>Instructor</b>	Gacheon University	<i>Language and Mind</i>
2010.03	<b>Instructor</b>	Seongseo University	<i>English</i>
2013.03~ present	<b>Trainer</b>	Yonsei University College of Medicine	Radiologist Training Program, fMRI analysis using SPM12

### Oral Presentation

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2014.08	Brain Signal Changes Identification in Task Based Condition Using Dynamic Causal Modeling in Korean Society of Biological Therapies in Psychiatry
2014.08	Dynamic Causal Modeling Tutorial Lecture in MONET SPM Workshop
2011.09	Conference on the Korean Society of Human Brain Mapping

### Honors/Awards

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2015. 11 Best Poster Awards, International Conference on Emotion and Sensibility  
2013. 11 Best Poster Awards, Conference of Korean Society for Human Brain Mapping  
2013. 05 Best Poster Awards, Conference of Korean Cognitive Science  
2001, 2004 Scholarship for Academical Achievement, Konkuk University

## Publication

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- [1] Changwon Jang, Elizabeth Quattrocki Knight, Chongwon Pae, Bumhee Park, **Shin-Ae Yoon**, Hae-Jeong Park, “**Individuality manifests in the dynamic reconfiguration of largescale brain networks during movie viewing**” Sci Rep. 2017 Jan 23;7:41414. doi: 10.1038/srep41414.
- [2] Joo-hwan Kim, **Shin-ae Yoon**, Hae-Jeong Park, “**A study on the neurobiological basis of communicative intelligence using voxel-based morphometry and its implication on the schizophrenia**” Korean J Schizophr Res 18 (2015): 35-42
- [3] Jang, Gijeong, **Shin-ae Yoon**, Sung-Eun Lee, Haeil Park, Joohan Kim, Jeong Hoon Ko, and Hae-Jeong Park. “**Everyday conversation requires cognitive inference: Neural bases of comprehending implicated meanings in conversations.**” NeuroImage 81 (2013): 61-72.

## Abstract/Conference Proceedings

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- 2015 [1] **Shin-ae Yoon**, Hae-Jeong Park “**The neural representation of explain-it-away in the pragmatic inference**”, 21<sup>st</sup> Annual Meeting of the Organization for Human Brain Mapping, June 14-18, 2015 in Hawaii, USA
- 2015 [2] Erin Cho, **Shin-ae Yoon**, Hae-Jeong Park “**Neural accounts for processing prototypicality and simplicity of product design**”, Conference of Korean Society for Human Brain Mapping, 2015
- 2015 [3] **Shin-ae Yoon**, Erin Cho, Hae-Jeong Park, “**Neural basis for prototypicality and simplicity in product design**”, 1<sup>st</sup> International Conference on Emotion and Sensibility, November, 18-21, 2015 in Jeju, Republic of Korea
- 2014 [4] **Shin-ae Yoon**, Huy Cao Tri Do, Misun Yoon, Hae-Jeong Park, “**A dynamic causal modeling of effective connectivity in linguistic inference during conversation**”, 20<sup>th</sup> Annual Meeting of the Organization for Human Brain Mapping, June 8-12, 2014 in Hamburg in Germany
- 2014 [5] Erin Cho, **Shin-ae Yoon**, Hae-Jeong Park “**Neural account of visual simplicity and prototypicality**”, 20<sup>th</sup> Annual Meeting of the Organization for Human Brain Mapping, June 8-12, 2014 in Hamburg in Germany
- 2014 [6] **Shin-ae Yoon**, Hae-Jeong Park “**Neural correlates of free-energy minimization process during the pragmatic inference**”, Conference of Korean Society for Human

Brain Mapping, 2014

- 2013 [7] **Shin-ae Yoon**, Bumhee Park, Joo-hwan Kim, Dae-sik Kim, Eun-joo Kim, Hae-Jeong Park, “**Brain network properties reflect on the difference of individual communicative intelligence**”, 19<sup>th</sup> Annual Meeting of the Organization for Human Brain Mapping, June 16-20, 2013 in Seattle, USA
- 2013 [8] Changwon Jang, Dongha Lee, **Shin-ae Yoon**, Jiwon Chun, Hae-Jeong Park, “**Within brain connectivity and between connectivity during watching a movie**”, 19<sup>th</sup> Annual Meeting of the Organization for Human Brain Mapping, June 16-20, 2013 in Seattle, USA
- 2013 [9] Bumhee Park, **Shin-ae Yoon**, Tak Yun, Joo-hwan Kim, Eun-Joo Kim, Dae-sik Kim, Hae-Jeong Park, “**Correlates of individual personality and brain network properties**”, 19<sup>th</sup> Annual Meeting of the Organization for Human Brain Mapping, June 16-20, 2013 in Seattle, USA
- 2013 [10] **Shin-ae Yoon**, Misun Yoon, Hae-Jeong Park, “**The identification of the effective connectivity in linguistic inference using dynamic causal modeling**”, Conference of Korean Society for Human Brain Mapping, 2013
- 2013 [11] **Shin-ae Yoon**, Jiwon Chun, Hae-Jeong Park, “**How to say? neural correlate of white lie:fMRI study**” The Korean Society for Cognitive Science 2013
- 2012 [12] **Shin-ae Yoon**, Suh-kyung Kim, Ji-won, Chun, Joo-hwan, Kim, Eun-joo, Kim, Hae-jeong, Park “**The neural activity of the understanding polite utterance in conversation**”, 18<sup>th</sup> Annual Meeting of the Organization for Human Brain Mapping, June 10-14, 2012 in Beijing, China
- 2012 [13] **Shin-ae Yoon**, Suh-kyung Kim, Ji-won, Chun, Joo-hwan, Kim, Eun-joo, Kim, Hae-jeong, Park “**The intention by politeness speech in Korea: fMRI study**” Conference on Human-Computer Interface in Korea 2012
- 2012 [14] **Shin-ae Yoon**, Suh-kyung Kim, Ji-won, Chun, Joo-hwan, Kim, Eun-joo, Kim, Hae-jeong, Park “**The intention by politeness speech in Korea: fMRI study**” Conference on Human-Computer Interface in Korea 2012
- 2011 [15] Joohan Kim, **Shin-ae Yoon**, Eun-be Lim, Eun-joo Kim, In-young Shin, Hae-Jeong Park “**I am happier when my success contributes to our team: Comparing the neural correlates of the rewards under the cooperative and the competitive contexts**” Society for Neuroscience November 12-16, 2011 in Washington D.C. in USA
- 2011 [16] Jang, Gijeong, **Shin-ae Yoon**, Sung-Eun Lee, Haeil Park, Joohan Kim, Jeong Hoon Ko, and Hae-Jeong Park. “**Understanding intended meaning of conversational implicature: A fMRI study**” Conference of Korean Society for Human Brain Mapping 2011

## Languages

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Korean(Native), English(Fluent)

## Relevant Coursework

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Syntactic Language Processing for Second Language, Advanced Syntactic Analysis for Language Processing, Morphological Processing of Language, Introduction to Pragmatics, Text Processing Research, Principles and Application for Neuroimaging, Advanced Cognitive Science, Statistics, Experiment Design using MATLAB Programming,

## Computer Skills

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<b>Programming</b>	MATLAB
<b>Neuroimaging Toolbox</b>	SPM, E-Prime, Marsbar, Caret, Mnet, Brainproducts
<b>Type Setting</b>	Apple iWorks, Microsoft Office
<b>Operation System</b>	MAC OS X, Windows, Linux
<b>Documentation Skill</b>	IRB, Case report form, Experimental report,
<b>Statistics</b>	SPSS

## Neuroimaging Modalities

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<b>EEG</b>	64 Channels, Brainproducts
<b>fMRI</b>	3T, 7T Philips, 3T Siemens