

## BIOGRAPHICAL SKETCH

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NAME Hyuntaek Oh		POSITION TITLE Graduate Research Assistant	
eRA COMMONS USER NAME HYUNTAEKOH		Communication Neuroscience Laboratories University of Nebraska	
EDUCATION/TRAINING (Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Yonsei University, South Korea	BS	2005	Physics
	BE	2005	Biomedical Engineering
University of Kansas	MS	2012	Bioengineering
University of Nebraska	PhD student	student	Biological Engineering

**A. Personal Statement**

Hyuntaek Oh is a 2<sup>nd</sup> year doctoral student in Biological Engineering and Neuroscience (Dr. SM Barlow – mentor) at the University of Nebraska, and a Graduate Research Assistant in the Communication Neuroscience Laboratories at the Barkley Memorial Center (Dr. SM Barlow – mentor). He worked as a researcher in Severance Hospital, Yonsei University in 2008, and the research topic was to develop Korean Standards of using Home-healthcare equipment. He earned the Masters degree in Bioengineering at University of Kansas with this thesis, 'Bayesian Ensemble Learning with Non-local Means and Fields of Experts for Medical Image Denoising.' His research interests are computer vision, medical image denoising, machine learning, brain electrophysiology, and digital signal processing.

**B. Positions and Honors**

2005-2007 Military Service, Medical services as a medic in the hospital, KATUSA (Korean Argumentation Troop to the U.S. Army), Republic of Korea  
2008-2009 Researcher, Department of Medical Science, Severance Hospital Yonsei University, Seoul, Republic of Korea  
2009-2010 Staff, TI (Toshiba-Infinit) Medical Systems Co.,Ltd., Seoul, Republic of Korea  
2010-2012 Graduate Teaching Assistant, Bioengineering graduate program University of Kansas, Lawrence, KS  
2012-2013 Graduate Research Assistant, Communication Neuroscience Laboratories University of Kansas, Lawrence, KS  
2014-present Graduate Research Assistant, Communication Neuroscience Laboratories University of Nebraska, Lincoln, NE

**Honors**

2012-2013 School of Engineering Wallace S. Strobel Scholarship, University of Kansas, Lawrence, KS  
2008-2009 Scholarship of Brain Korea 21 Project for Medical Science College of Medicine, Yonsei University, Seoul, Republic of Korea

**C. Selected peer-reviewed publications/presentations**

Custead R, Oh T, Oder A, Barlow SM. (2013). Adaptation of the cortical somatosensory evoked potential following pneumatic stimulation of the face in adults. *Society for Neuroscience*, 644.25.  
Custead R, Oh H, Lee J, Oder A, and Barlow SM. (2014). Adaptation of the cortical somatosensory evoked potential following pneumatic stimulation of the face in adults. *Conference on Motor Speech*, Sarasota, FL.  
Barlow SM, Lee J, Wang J, Oder A, Oh H, Hall S, Knox K, Weatherstone K, Thompson D. (in press). The effects of orocutaneous power spectra on the development of non-nutritive suck in preterm infants with respiratory distress syndrome or chronic lung disease, and preterm infants of diabetic mothers. *J Neonatal Nursing*.

**D. Research Support**

N/A