

## Curriculum Vitae, Jeungchan Lee

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### Education

03/1999 - 02/2004 B.S. Biomed. Eng., Kyung Hee University, South Korea  
04/2004 - 02/2006 M.S. Biomed. Eng., Kyung Hee University, South Korea  
03/2006 - 02/2014 Ph.D. Biomed. Eng., Kyung Hee University, South Korea

### Teaching of Students in Courses

09/2006 – 12/2006 Diagnosis system and experiment in oriental medicine  
(undergraduate class, Kyung Hee University, South Korea)

### Research Training

08/2008 – 07/2009 Non-employee (PI: Vitaly Napadow), Athinoula A. Martinos  
Center for Biomedical Imaging, Department of Radiology,  
Massachusetts General Hospital, USA

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### Publications – Peer reviewed, International

1. **Lee J**, Napadow V, Park K. Pain and sensory detection threshold response to acupuncture is modulated by coping strategy and acupuncture sensation. *BMC Complement Altern Med.* 2014;14:324.
2. **Lee J**, Napadow V, Kim J, Lee S, Choi W, Kaptchuk TJ, Park K. Phantom acupuncture: dissociating somatosensory and cognitive/affective components of acupuncture stimulation with a novel form of placebo acupuncture. *PLoS One.* 2014;9(8):e104582.
3. Maeda Y, Kettner N, Holden J, **Lee J**, Kim J, Cina S, Malatesta C, Gerber J, McManus C, Im J, Libby A, Mezzacappa P, Morse LR, Park K, Audette J, Tommerdahl M, Napadow V. Functional deficits in carpal tunnel syndrome reflect reorganization of primary somatosensory cortex. *Brain.* 2014;137(Pt 6):1741-52.
4. Napadow V, **Lee J**, Kim J, Cina S, Maeda Y, Barbieri R, Harris RE, Kettner N, Park K. Brain correlates of phasic autonomic response to acupuncture stimulation: an event-related fMRI study. *Hum Brain Mapp.* 2013;34(10):2592-2606.
5. Maeda Y, Kettner N, **Lee J**, Kim J, Cina S, Malatesta C, Gerber J, McManus C, Im J, Libby A, Mezzacappa P, Morse LR, Park K, Audette J, Napadow V. Acupuncture-evoked response in somatosensory and prefrontal cortices predicts immediate pain reduction in carpal tunnel syndrome. *Evid Based Complement Alternat Med.* 2013;2013:795906.
6. Maeda Y, Kettner N, **Lee J**, Kim J, Cina S, Malatesta C, Gerber J, McManus C, Im J, Libby A, Mezzacappa P, Morse LR, Park K, Audette J, Napadow V. Acupuncture evoked response in somatosensory cortex reflects peripheral nerve pathology of carpal tunnel syndrome. *Medical Acupuncture.* 2013;25(4):275-284.
7. Kim HJ, Kim N, Kim S, Hong S, Park K, Lim S, Park JM, Na B, Chae Y, **Lee J**, Yeo S, Choe IH, Cho SY, Cho G. Sex differences in amygdala subregions: evidence from subregional shape analysis. *Neuroimage.* 2012;60(4):2054-2061.
8. Chae Y, **Lee JC**, Park KM, Kang OS, Park HJ, Lee H. Subjective and autonomic responses to smoking-related visual cues. *J Physiol Sci.* 2008;58(2):139-145.

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### Publications – Peer reviewed, Korean

1. Lim SK, Lee DH, Kwon YJ, **Lee JC**, Jung CJ, Kim YS, Park KM, Lee SH. Effects of Fixed-intensity and Varied-intensity Electroacupuncture on Heart Rate Variability in Healthy People with Stress Task. *Journal of Korean acupuncture & moxibustion medicine society*. 2011;28(2):107-116.
2. Chae YB, **Lee JC**, Park KM, Lee KJ, Kang OS, Kim SY, Lee HJ, Yin CS, Park HJ. Inhibitory effect of acupuncture at HT7 on the sympathetic activations to smoking-related visual cues. *Korean Journal of Acupuncture*. 2009;26(4):39-52.
3. Jeong MS, Choi WJ, Lee KW, Lee SG, Kim JE, **Lee JC**, Park KM. The Effects of Acupuncture Stimulation on Skin Conductance Response of Anxiety Patients and Normal Subjects. *The Korean Society of Oriental Neuropsychiatry*. 2009;20(2):101-110.
4. Chae Y, **Lee JC**, Park KM, Kang OS, Park HJ, Lee H. Subjective and autonomic responses to smoking-related visual cues. *J Physiol Sci*. 2008;58(2):139-45.
5. Chae Youn-byoung, Park Hi-joon, Kang O-seok, **Lee Jeong-chan**, Park Kyung-mo, Lee Hye-Jung, “An Analysis of Emotional and Cognitive Factors on Acupuncture”, *The Journal of Korean Acupuncture & Moxibustion Society*. 2007;24(3):215-229.
6. **Jeong-Chan Lee**, Ji-Eun Kim, Kyung-Mo Park, “Pupil Size Variability as an Index of Autonomic Activity – from the Experiments of Posture, Sleepiness and Cognitive Task”, *J. Biomed. Eng*. 2007;28(1):55-65.
7. **Jeong-Chan Lee**, Ji-Eun Kim, Kyung-Mo Park, “Posture Change Affects Indices of Pupil Size – Korean Males in Their Twenties”, *J. Biomed. Eng*. 2007;28(1):1-7.
8. **Jeong-Chan Lee**, Ji-Eun Kim, Chung-Yearn Cho, Min-Sook Son, Kyung-Mo Park, Ji-Ho Park, “Total Activity Estimation of Hippocampal Slice Using Multi-Electrode Array”, *J. Biomed. Eng*. 2006;27(6):409-417.
9. **Jeong-Chan Lee**, Yun-Hye Eo, Kyung-Mo Park, Seung-Hun Park, “A Method to Estimate Peripheral Systolic Blood Pressure using Pulse Transit Time during Bicycle Ergometer Exercise of Healthy Korean Subjects in their Twenties”, *J. Biomed. Eng*. 2006;27(3):89-93.
10. Ji Eun Kim, **Jeong Chan Lee**, Kyung Mo Park, Hee Chul Kang, Seung Gi Lee, “Relationships between depression, anxiety, ‘exterior-interior pattern and cold-heat pattern’ and Heart Rate Variability in healthy Subjects”, *Korean J. Oriental Physiology & Pathology* 2006;20(2):482-487.
11. **Jeong-Chan Lee**, Jeong-Yeon Cho, Kyung-Mo Park, Ji-Ho Park, “Hippocampal Total Activity Estimation methodology using MEA system”, *Journal of multimedia technology*, Kyung Hee University Institute of multimedia technology. 2004:4(1)