

Jae-Joong Lee, M.D., Ph.D.

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PERSONAL INFORMATION

Postdoctoral Researcher
Center for Neuroscience Imaging Research, Institute for Basic Science
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EDUCATION and TRAINING

2023 – present	Postdoctoral Researcher Department of Biomedical Engineering, Sungkyunkwan University Advisor: Prof. Choong-Wan Woo
2020 – 2023	Technical Research Personnel Ministry of National Defense, South Korea
2017 – 2023	Ph.D. Department of Biomedical Engineering, Sungkyunkwan University Advisor: Prof. Choong-Wan Woo
2011 – 2017	M.D. College of Medicine, Hanyang University Honors: <i>Cum Laude</i>

LICENSE

2017	Medical License Ministry of Health and Welfare, South Korea
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AWARDS

2022	Best Paper Award Center for Neuroscience Imaging Research
2022	Excellent Researcher of Global Ph.D. Fellowship National Research Foundation of Korea
2021	Best Paper Award Center for Neuroscience Imaging Research
2021	Outstanding Trainee Award

2021 – 2023	Basic Scientist Scholarship Korean Society for Human Brain Mapping JW Foundation
2020	Best Paper Award Center for Neuroscience Imaging Research
2020	Excellent Presentation Award Korean Society for Human Brain Mapping
2020	Excellent Researcher of Global Ph.D. Fellowship National Research Foundation of Korea
2019	Outstanding Research Award 8 th Asian Pain Symposium
2018 – 2023	Global Ph.D. Fellowship National Research Foundation of Korea Grant number: NRF-2018H1A2A1059844 Title: “ <i>Developing Neuroimaging Biomarkers of Tonic and Chronic Pain Based on Functional Connectome and Machine Learning</i> ” Total funding amount: KRW 150,000,000 (5 years)
2017	IBS Director’s Fellowship Center for Neuroscience Imaging Research
2017 – 2019	Academic Scholarship Sungkyunkwan University
2014 – 2016	CKD Kochon Academic Scholarship CKD Kochon Foundation
2013	Bumsuk Academic Scholarship Bumsuk Academic Scholarship Foundation
2011 – 2013	Academic Scholarship Hanyang University

PUBLICATIONS (lead author)

1. Lee, J.-J., Lee, S., Lee, D. H., Woo, C.-W. (2022).
“**Functional brain reconfiguration during sustained pain.**”
eLife, 11, e74463. <https://doi.org/10.7554/eLife.74463>
2. Lim, J.-S. *, Lee, J.-J. *, & Woo, C.-W. (2021).
“**Post-Stroke Cognitive Impairment: Pathophysiological Insights into Brain Disconnectome from Advanced Neuroimaging Analysis Techniques.**”
J Stroke, 23(3), 297-311. <https://doi.org/10.5853/jos.2021.02376> (*Co-first authors)
3. Lee, J.-J., Kim, H. J., Čeko, M., Park, B.-y., Lee, S. A., Park, H., . . . Woo, C.-W. (2021).
“**A neuroimaging biomarker for sustained experimental and clinical pain.**”
Nature Medicine, 27(1), 174-182. <https://doi.org/10.1038/s41591-020-1142-7>
4. Lim, J. S. *, Lee, J. J. *, Woo, C. W., Song, J., Oh, M. S., Yu, K. H., & Lee, B. C. (2020).
“**Individual-Level Lesion-Network Mapping to Visualize the Effects of a Stroke Lesion on the Brain Network: Connectograms in Stroke Syndromes.**”
J Clin Neurol, 16(1), 116-123. <https://doi.org/10.3988/jcn.2020.16.1.116> (*Co-first authors)

PUBLICATIONS (contributing author)

1. Park, B. Y., Lee, J. J., Kim, H. J., Woo, C. W., & Park, H. (2020).
"A neuroimaging marker for predicting longitudinal changes in pain intensity of subacute back pain based on large-scale brain network interactions."
Sci Rep, 10(1), 17392. <https://doi.org/10.1038/s41598-020-74217-3>

PRESENTATIONS

1. Lee, J. J., Han, J., Woo, C. W. (2022).
"Precision neuroimaging of chronic pain and personal narratives in fibromyalgia"
Korean Society for Human Brain Mapping (Oral presentation)
2. Lee, J. J., Woo, C. W. (2022).
"Precision neuroimaging of chronic pain and personal narratives in fibromyalgia"
Society for Neuroscience: Program No. 127.03 (Poster presentation)
3. Lee, J. J. (2021).
"Learning Pain from High-Dimensional Neuroimaging Data"
Organization for Human Brain Mapping: Symposia (Oral presentation)
4. Lee, J. J., Lee, S., Lee, D. H., Woo, C. W. (2020).
"Dynamic reconfiguration of functional brain networks during sustained pain"
Korean Society for Human Brain Mapping (Poster presentation)
5. Lee, J. J., Kim, H. J., Ceko, M., Park, B. Y., Park, H., Roy, M., Kim, S. G., Wager, T. D., Woo, C. W. (2019).
"An fMRI Signature of Tonic Pain Based on Whole-Brain Functional Connectivity"
8th Asian Pain Symposium (Poster presentation)
6. Lee, J. J., Woo, C. W. (2019).
"Dynamic reconfiguration of functional brain network during sustained pain"
Society for Neuroscience: Program No. 750.20 (Poster presentation)
7. Lee, J. J., Woo, C. W. (2019).
"Dynamic reconfiguration of functional brain network during sustained pain"
IBS Conference on Neuroimaging (Poster presentation)
8. Lee, J. J., Kim, H. J., Ceko, M., Park, B. Y., Park, H., Roy, M., Wager, T. D., Woo, C. W. (2019).
"An fMRI Signature of Tonic Pain Based on Whole-Brain Functional Connectivity"
Asia Pacific Center for Theoretical Physics (Oral presentation)
9. Lee, J. J., Kim, H. J., Ceko, M., Park, B. Y., Roy, M., Wager, T. D., Woo, C. W. (2018).
"An fMRI Signature of Tonic Pain Based on Whole-Brain Functional Connectivity"
Society for Neuroscience: Program No. 717.02 (Oral presentation)

10. Lee, J. J., Kim, H. J., Ceko, M., Park, B. Y., Roy, M., Wager, T. D., Woo, C. W. (2018).
“An fMRI Signature of Tonic Pain Based on Whole-Brain Functional Connectivity”
Korean Society for Cognitive Science (Poster presentation)

PATENTS

1. Woo, C. W., Lee, J. J., Wager, T. D. (2021).
“Brain connectivity marker of sustained pain and diagnosis method of sustained pain using the same”
US Patent Application 17/473,253 & Korean Patent Application 10-2021-0031652