

CURRICULUM VITAE

Yong Jeong, MD, Ph.D

Present Positions:

- Professor, KAIST
Department of Bio and Brain Engineering,
Program of Brain and Cognitive Engineering,
Graduate School of Medical Science and Engineering,
Graduate Program for Future Strategy
KI for Health Science and Technology
Tel : +82-42-350-4324
Mobile: +82-10-8003-1225
Fax : +82-42-350-4310
E-mail: yong@kaist.ac.kr, yong@kaist.edu
Lab: +82-42-350-4364
Lab manager: +82-42-350-5364
Google Scholar: <http://scholar.google.com/citations?user=zsVfg6sAAAAJ&hl=en>
Research ID: <https://publons.com/researcher/1249468/yong-jeong/>
Orcid: <http://orcid.org/0000-0002-5907-3787>
- Director, Laboratory for Cognitive Neuroscience and NeuroImaging (ibrain.kaist.ac.kr)
- Director, LG Electronics-KAIST Digital Healthcare Center
- Director, Dr.M Smart Mobile Healthcare Center
- Director, Future Smart Home Research Center (FuSH) (fush.kaist.ac.kr)
- Faculty, Department of Neurology, KAIST Pappalardo Clinic



Research Field:

- Neurophysiology
- Cognitive Neuroscience and Neuropsychology
- Clinical Neurology (neurodegenerative disease, neurovascular disease)
- Functional Neuroimaging
- Brain mapping and modeling
- Brain network
- Bioengineering (biosignals)
- Digital Health

Education:

- Ph.D (in Neurophysiology), Yonsei University, Seoul, Korea, 1997
- MS (in Neurophysiology), Yonsei University, Seoul, Korea, 1993
- MD, Yonsei University College of Medicine, Seoul, Korea, 1991

Professional Career

- Visiting Scholar, KIST Brain Science Institute, 2022-2023
- Adjunct professor, Department of Neurology, Sungkyunkwan University Samsung Medical Center, 2005-2018

- Visiting Professor, Department of Bio and Brain Engineering, 2005 – 2007
- Research and Clinical Fellow, University of Florida, 2003 –2005
- Research and Clinical Fellow, Samsung Medical Center, Sungkyunkwan University, Seoul, Korea, 2002 –2003
- Neurology Residency, Severance Hospital, Yonsei Medical Center, Yonsei University College of Medicine, Seoul, Korea, March 1, 1998 - February 28, 2002
- Internship, Severance Hospital, Yonsei Medical Center, Yonsei University College of Medicine, Seoul, Korea, May 1, 1997 – February 28, 1998
- Researcher, National Institute of Toxicological Research, Korea Food and Drug Administration, April 28, 1994 - April 25, 1997
- Research and Teaching Assistant, Department of Physiology, Yonsei University College of Medicine, Seoul, Korea, March 1, 1991 – February 28, 1994

Degree and Qualification:

- Board of Neurology (No. 780), granted by Ministry of Health and Welfare, Korea, 2002
- ECFMG Certification (No.0-469-234-9), 1998
- MD (No. 43694), granted by Ministry of Health and Welfare, Korea, 1991

Society Memberships and Services:

- International
 - The 31st International symposium on cerebral blood flow and metabolism (ISCBFM) 2023, Program committee
 - The 32nd International symposium on cerebral blood flow and metabolism (ISCBFM) 2025, Local Organization Committee Chair
 - The 2024 Organization for Human Brain Mapping (OHBM) annual meeting, Local Organization Committee
 - The 2024 International Society for Molecular Neurodegeneration(ISMND) organization committee
 - The 2023 International Conference of Korean Dementia Association (IC-KDA 2019), Program Committee
 - Biomag 2016, Organization Committee
 - The 10th ICME International Conference on Complex Medical Engineering (ICME 2016), Organizing Committee
 - IBEC 2015, Scientific Program Committee
 - Society for Neuroscience (SfN), member
 - International Society for Cerebral Blood Flow and Metabolism (ISCBFM), member
 - Organization for Human Brain Mapping (OHBM), member
- Domestic
 - Korea Society for Cerebral Blood Flow and Metabolism, President
 - Korean Human Brain Mapping Society (KHBM), vice president, former Chairman
 - Korean Dementia Association, Board of Director
 - The Korean Society for Neurodegenerative Disease, Board of Director
 - Korean Society of Medical and Biological Engineering, former Academic committee
 - The Korean Society for Brain and Neural Science, member
 - Korean Neurological Association, member, former Academic committee
 - The Korean Society for Cognitive Science, member, former Organization committee
 - Korean Society for Clinical Neurophysiology, former Academic committee
 - Korean Brain Society, former Chair of Planning Committee

Academic and Public Services

- Journal of Alzheimer's disease, former Associate Editor
- Experimental Neurobiology, Associate Editor
- Journal of Clinical Neurology, Associate Editor
- Yonsei Medical Journal, Editorial board
- Journal of Biomedical Engineering and Neuroscience, Editorial board
- Korea National Dementia Research Center, Steering Committee
- Ministry of Science, Technology and ICT, former National Brain Research Working Committee
- Korea Food and Drug Administration, former Consultant on Biomedical Devices
- National Research Foundation of Korea, former Review Board
- Institute of Civil-military Technology Cooperation, former Consultant

Awards

- KI Research Excellence Awards, KAIST, 2022
- Technology Innovation Awards, College of Engineering, KAIST, 2021
- Convergence Research Awards, KAIST, 2020
- Best lecturer award, Department of Bio and Brain Engineering, KAIST, 2019
- Siemens Academic Excellence Award conferred by Korean Society of Human Brain Mapping, 2016
- Research Award conferred by Korea Clinical Neurophysiology Society, 2014
- President of Korea Medical Association Award, 1991

Publications:

Preprinting

1. Byun J, Jeong Y*. Graph neural network based heterogeneous propagation scheme for classifying Alzheimer's disease. bioRxiv 2021.01.21.427712; doi: 10.1101/2021.01.21.427712

International Journal

* *Corresponding authors*

2024

1. Baik K, Kim YJ, Park M, Chung SJ, Sohn YH, Jeong Y*, Lee PH*. Functional Brain Networks of Minor and Well-Structured Major Hallucinations in Parkinson's Disease. *Mov Disord.* (Epub) doi: 10.1002/mds.29681.
2. Chun MY, Chung SJ, Kim SH, Park CW, Jeong SH, Lee HS, Lee PH, Sohn YH, Jeong Y. Kim YJ*. Hippocampal Perfusion Affects Motor and Cognitive Functions in Parkinson's Disease: An Early-Phase 18F-FP-CIT PET Study. *Ann Neurol.* (Epub) doi: 10.1002/ana.26827

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3. Chung SJ, Kim SH, Park CW, Lee HS, Kim YJ, Lee PH, Jeong Y, Sohn YH*. Is the cingulate island sign a marker for early dementia conversion in Parkinson's disease? *Eur J Neurol*. 2023 Dec;30(12):3732-3740. doi: 10.1111/ene.16007.
4. Jeong SH, Kim SH, Park CW, Lee HS, Lee PH, Kim YJ, Sohn YH, Jeong Y, Chung SJ*. Differential Implications of Cerebral Hypoperfusion and Hyperperfusion in Parkinson's Disease. *Mov Disord*. 2023 Oct;38(10):1881-1890. doi: 10.1002/mds.29565.
5. Kim G, Park HS, Shin P, Eom T, Yoon JH, Jeong Y, Oh WY*. Direct Blood Cell Flow Imaging in Microvascular Networks. *Small*. 2023 Oct;19(41):e2302244. doi: 10.1002/smll.202302244.
6. Han HB, Shin HS, Jeong Y, Kim J, Choi JH*. Dynamic switching of neural oscillations in the prefrontal-amygdala circuit for naturalistic freeze-or-flight. *Proc Natl Acad Sci U S A*. 2023 Sep 12;120(37):e2308762120. doi: 10.1073/pnas.2308762120.
7. Kang S, Choi W*, Park CY, Cha N, Kim A, Khandoker AH, Hadjileontiadis L, Kim H, Jeong Y, Lee U. K-EmoPhone: A Mobile and Wearable Dataset with In-Situ Emotion, Stress, and Attention Labels. *Sci Data*. 2023 Jun 2;10(1):351. doi: 10.1038/s41597-023-02248-2.
8. Kim, HM, Kim S, Sim J, Ma BS, Yong I, Jo Y, Kim TS, Chang JB, Park SH, Jeong Y*, Kim P*. Glycation-mediated tissue-level remodeling of brain meningeal membrane by aging. *Aging Cell*, 2023 May;22(5):e13805. doi: 10.1111/ace1.13805.

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9. Chung SJ, Kim YJ, Kim YJ, Lee HS, Jeong SH, Hong JM, Sohn YH, Yun M, Jeong Y, Lee PH*. Association Between White Matter Networks and the Pattern of Striatal Dopamine Depletion in Patients With Parkinson Disease. *Neurology*. 2022 Oct 4;10.1212/WNL.0000000000201269. doi: 10.1212/WNL.0000000000201269.
10. Lee P, Kim H, Zitouni MS, Khandoker A, Jelinek HF, Hadjileontiadis L, Lee U, Jeong Y*. Smart helmet with multimodal sensing for health and safety: A scoping review. *JMIR mHealth uHealth*. 2022 Oct 14. doi: 10.2196/40797
11. Chung SJ, Kim YJ, Kim YJ, Lee HS, Yun M, Lee PH, Jeong Y*, Sohn YH*. Potential Link Between Cognition and Motor Reserve in Patients with Parkinson's Disease. *J Mov Disord*. 2022 Sep;15(3):249-257. doi: 10.14802/jmd.22063
12. Kim YJ, Park CW, Shin HW, Lee HS, Kim YJ, Yun M, Lee PH, Sohn YH, Jeong Y*, Chung SJ*. Identifying the white matter structural network of motor reserve in early Parkinson's disease. *Parkinsonism Relat Disord*. 2022 Sep;102:108-114. doi: 10.1016/j.parkreldis.2022.08.005.
13. Yoon JH, Shin P, Joo JY, Kim G, Oh WY*, Jeong Y*. Increased capillary stalling is associated with endothelial glycocalyx loss in subcortical vascular dementia. *J Cereb Blood Flow Metab*. 2022 Aug;42(8):1383-1397. doi: 10.1177/0271678X221076568.

14. Seo Y, Bang S, Son J, Kim D, Jeong Y, Kim P, Yang J, Eom JH, Choi N, Kim HN*. Brain physiome: A concept bridging in vitro 3D brain models and in silico models for predicting drug toxicity in the brain. *Bioact Mat.* 2022 July;13:135-148 doi:10.1016/j.bioactmat.2021.11.009
15. Kim SH, Kim YJ, Lee BH, Lee P, Park JH, Seo SW, Jeong Y*. Behavioral Reserve in Behavioral Variant Frontotemporal Dementia. *Front. Aging Neurosci.* 2022 June 20;14:875589. doi: 10.3389/fnagi.2022.875589
16. Jung JH, Kim YJ, Chung SJ, Yoo HS, Lee YH, Baik K, Jeong SH, Lee YG, Lee HS, Ye BS, Sohn YH, Jeong Y*, Lee PH*. White matter connectivity networks predict levodopa-induced dyskinesia in Parkinson's disease. *J Neurol.* 2022 Jun;269(6):2948-2960.
17. Lee P, Kim H, Kim Y, Choi W, Zitouni MS, Khandoker A, Jelinek HF, Hadjileontiadis L, Lee U, Jeong Y*. Beyond Pathogen Filtration: Possibility of Smart Mask as Wearable Device for Personal and Group Health and Safety Management. *JMIR mHealth uHealth.* 2022 Jun 8. 10(6):e38614. doi: 10.2196/38614.
18. Chung SJ, Kim YJ, Jung JH, Lee HS, Ye BS, Sohn YH, Jeong Y, Lee PH*. Association between white matter connectivity and early dementia in patients with Parkinson's disease. *Neurology* 2022 May 3;98(18):e1846-e1856. doi: 10.1212/WNL.0000000000200152
19. Lee J, Kim JG, Hong S, Kim YS, Ahn S, Kim R, Chun H, Park KD, Jeong Y, Kim DE, Lee CJ, Ku T, Kim P*. Longitudinal intravital imaging of cerebral microinfarction reveals a dynamic astrocyte reaction leading to glial scar formation. *Glia* 2022 Jan;1-14 doi: 10.1002/glia.24151
20. Kim B, Han HB, Kim Y, Jeong Y*, Choi JH*. Nine-day Continuous Recording of EEG and 2-hour of HD-EEG under Chronic Sleep Restriction in Mice. *Sci Data.* 2022 May 23;9(1):225. doi: 10.1038/s41597-022-01354-x.
21. Choe YG, Yoon JH, Joo J, Kim B, Hong SP, Koh GY, Lee DS, Oh WY*, Jeong Y*. Pericyte loss leads to capillary stalling through increased leukocyte-endothelial cell interaction in the brain. *Front Cell Neurosci* 2022 Mar;16:848764. doi:10.3389/fncel.2022.848764
22. Chung J, Lee O, Lee YB, Yoo K, Jeong Y*. Nonuniformity of whole-cerebral neural resource allocation; A neuromarker of the broad-task attention. *eNeuro.* 2022 Mar 14;9(2):0358-21. doi: 10.1523/ENEURO.0358-21.2022.
23. Lee DH, Seo SW, Rho JH, Oh M, Oh JS, Oh SJ, Kim JS, Jeong Y*. Effect of Cognitive Reserve in Alzheimer's disease and cognitively unimpaired individuals. *Front Aging Neurosci* 2022 Feb;13:784504 doi:10.3389/fnagi.2021.784054

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24. Yang H, Jeong Y*. Correlation between Alteration of Sharp-wave Ripple Coupled Cortical Oscillation and Long-term Memory deficit in Alzheimer's Disease Models Mice. *Exp Neurobiol.* 2021 Dec;30(6):430-440. doi: 10.5607/en21046
25. Kwon YH, Yoo K*, Nguyen H, Jeong Y*, Chun MM*. Predicting multilingual effects on executive function and individual connectomes in children: an ABCD study. *Proc Natl Acad Sci U S A.* 2021 Dec 7; 118(49):e2110811118. doi.org/10.1073/pnas.2110811118.
26. Kim GS, Lee H, Jeong Y*. Altered Dorsal Cortical Functional Connectivity After Post-weaning Social Isolation and Resocialization in Mice. *Neuroimage* 2021. Dec 15; 245:118740. doi: 10.1016/j.neuroimage.2021.118740
27. Song HY, Shin DW, Jung SM, Jeong Y, Jeong B, Park CS*. Feasibility study on transcutaneous auricular vagus nerve stimulation using millimeter waves. *Biomed Phys Eng Express.* 2021 Oct 13;7(6). doi: 10.1088/2057-1976/ac2c54.
28. Chun S, Lim JS, Yoo Y, Choi Y, Jung SJ, Jang D, Lee G, Song KI, Nam KS, Youn I, Son D, Pang C, Jeong Y, Jung H, Kim YJ, Choi BD, Kim J, Kim SP, Park W, Park S*. An Artificial Neural Tactile Sensing System. *Nat Electron* 2021 June 4;429–438. doi.: 10.1038/s41928-021-00585-x
29. Kim S, Lee P, Oh KT, Byun MS, Yi D, Lee JH, Kim YK, Ye BS, Yun MJ, Lee DY, Jeong Y*; Alzheimer's Disease Neuroimaging Initiative; KBASE Research Group. Deep learning-based amyloid PET positivity classification model in the Alzheimer's disease continuum by using 2-[18F]FDG PET. *EJNMMI Res.* 2021 Jun 10;11(1):56. doi: 10.1186/s13550-021-00798-3.
30. Kim HR, Lee T, Choi JK, Jeong Y*. Alzheimer's Disease Neuroimaging Initiative. Polymorphism in the MAGI2 Gene Modifies the Effect of Amyloid β on Neurodegeneration. *Alzheimer Dis Assoc Disord.* 2021 Apr-Jun 01;35(2):114-120. doi: 10.1097/WAD.0000000000000422.
31. Andika FR, Yoon JH, Kim GS, Jeong Y*. Intermittent Fasting Alleviates Cognitive Impairments and Hippocampal Neuronal Loss but Enhances Astrocytosis in Mice with Subcortical Vascular Dementia. *J Nutr.* 2021 Mar 11;151(3):722-730. doi: 10.1093/jn/nxaa384.
32. Lee W, Kang BH, Yang H, Park M, Kwak JH, Chung T, Jeong Y, Kim BK, Jeong KH. Spread spectrum SERS allows label-free detection of attomolar neurotransmitters. *Nat Commun.* 2021 Jan 8;12(1):159. doi: 10.1038/s41467-020-20413-8.

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33. Kim SH, Ahn JH, Yang H, Lee P, Koh GY, Jeong Y*. Cerebral amyloid angiopathy aggravates perivascular clearance impairment in an Alzheimer's disease mouse model. *Acta Neuropathol Commun.* 2020 Nov 5;8(1):181. doi: 10.1186/s40478-020-01042-0

34. Lee P, Kim HR, Jeong Y*. Alzheimer's Disease Neuroimaging Initiative. Detection of gray matter microstructural changes in Alzheimer's disease continuum using fiber orientation. *BMC Neurol.* 2020;20:362. doi:10.1186/s12883-020-01939-2
35. Kim HR, Lee T, Choi JK, Jeong Y*; Alzheimer's Disease Neuroimaging Initiative. Genetic variants beyond amyloid and tau associated with cognitive decline: A cohort study. *Neurology.* 2020 Oct 27;95(17):e2366-e2377. doi: 10.1212/WNL.0000000000010724.
36. Shin P, Yoon JH, Jeong Y*, Oh WY*. High-speed optical coherence tomography angiography for the measurement of stimulus-induced retrograde vasodilation of cerebral pial arteries in awake mice. *Neurophotonics.* 2020 Sep;7(3):030502. doi: 10.1117/1.NPh.7.3.030502
37. Park CY, Cha N, Kang S, Kim A, Khandoker A, Hadjileontiadis L, Oh A, Jeong Y, Lee U. K-EmoCon, a multimodal sensor dataset for continuous emotion recognition in naturalistic conversations. *Scientific Data.* 2020 7:293. doi: 10.1038/s41597-020-00630-y
38. Chung SJ, Kim HR, Jung JH, Lee PH, Jeong Y*, Sohn YH*. Identifying the Functional Brain Network of Motor Reserve in Early Parkinson's Disease. *Mov Disord.* 2020;35(4):577-586. doi:10.1002/mds.28012

2019

39. Park M, Chung J, Kim JK, Jeong Y*, Moon WJ*. Altered Functional Brain Networks in Patients with Traumatic Anosmia: Resting-State Functional MRI Based on Graph Theoretical Analysis. *Korean J Radiol.* 2019 Nov;20(11):1536-1545. doi:10.3348/kjr.2019.0104.
40. Ahn JH, Cho H, Kim JH, Kim SH, Ham JS, Park I, Suh SH, Hong SP, Song JH, Hong YK, Jeong Y, Park SH*, Koh GY*. Meningeal lymphatic vessels at the skull base drain cerebrospinal fluid. *Nature.* 2019 Aug;572(7767):62-66. doi:10.1038/s41586-019-1419-5.
41. Lee YB, Yoo K, Roh JH, Moon WJ, Jeong Y*. Brain-State Extraction Algorithm Based on the State Transition (BEST): A Dynamic Functional Brain Network Analysis in fMRI Study. *Brain Topogr.* 2019 Sep;32(5):897-913. doi:10.1007/s10548-019-00719-7.
42. Yoon JH, Jeong Y*. In vivo imaging for neurovascular disease research. *Arch Pharm Res.* 2019 Mar;42(3):263-273. doi: 10.1007/s12272-019-01128-x. (Review)
43. Kim DY, Hwang K, Ahn J, Seo YH, Kim JB, Lee S, Yoon JH, Kong E, Jeong Y, Jon S, Kim P, Jeong KH*. Lissajous Scanning Two-photon Endomicroscope for in vivo Tissue Imaging. *Sci Rep.* 2019 March 05:9:3560. Doi: 10.1038/s41598-019-38762-w
44. Lee ES, Yoon JH, Choi JY, Adndika, F, Lee T, Jeong. Y*. A Mouse Model of Subcortical Vascular Dementia Reflecting Degeneration of Cerebral White Matter and Microcirculation. *J Cereb Blood Flow Metab.* 2019 Jan;39(1):44-57. doi: 10.1177/0271678X17736963.

45. Kim HR, Lee P, Seo SW, Roh JH, Oh M, Oh JS, Oh SJ, Kim JS, Jeong Y. Comparison of Amyloid β and Tau Spread Models in Alzheimer's Disease. *Cereb Cortex*. 2019 Sep 13;29(10):4291-4302. doi: 10.1093/cercor/bhy311.

2018

46. Lee DH, Lee P, Seo SW, Roh JH, Oh M, Oh JS, Oh SJ, Kim JS, Jeong Y*. Neural substrates of cognitive reserve in Alzheimer's disease spectrum and normal aging. *Neuroimage*. 2018 Nov 29;186:690-702. doi: 10.1016/j.neuroimage.2018.11.053.
47. Park MH, Lee JY, Park KH, Jung IK, Kim KT, Lee YS, Ryu HH, Jeong Y, Kang M, Schwaninger M, Gulbins E, Reichel M, Kornhuber J, Yamaguchi T, Kim HJ, Kim SH, Schuchman EH, Jin HK, Bae JS*. Vascular and Neurogenic Rejuvenation in Aging Mice by Modulation of ASM. *Neuron*. 2018 Oct 10;100(1):167-182.e9. doi:10.1016/j.neuron.2018.09.010.
48. Song M, Kang M, Lee H, Jeong Y*, Paik SB*. Classification of Spatiotemporal Neural Activity Patterns in Brain Imaging Data. *Sci Rep*. 2018 May 29;8:8231. doi:10.1038/s41598-018-26605-z
49. Lee JO, Lee ES, Kim JS*, Lee YB, Jeong Y, Choi BS, Kim JH*, Staab JP. Altered brain function in persistent postural perceptual dizziness: A study on resting state functional connectivity. *Hum Brain Mapp*. 2018 Aug;39(8):3340-3353. doi:10.1002/hbm.24080.
50. Yoon JH, Jeong Y, Na DL*. Medial-Vowel Writing Difficulty in Korean Syllabic Writing: A Characteristic Sign of Alzheimer's Disease. *J Clin Neurol*. 2018 Apr;14(2):179-185. doi: 10.3988/jcn.2018.14.2.179.
51. Kang M, Lee YB, Gohel B, Yoo K, Lee P, Chung J, Jeong Y*. Momentary level of slow default mode network activity is associated with distinct propagation and connectivity patterns in the anesthetized mouse cortex. *J Neurophysiol*. 2018 Feb 1;119(2):441-458. doi: 10.1152/jn.00163.2017.

2017 and earlier

52. Choung OH, Lee SW*, Jeong Y*. Exploring Feature Dimensions to Learn a New Policy in an Uninformed Reinforcement Learning Task. *Sci Rep*. 2017 Dec 15;7:17676. doi:10.1038/s41598-017-17687-2
53. Chung J, Yoo K, Lee P, Kim CM, Rho JH, Park JE, Kim SJ, Seo SW, Shin JH, Seong JK*, Jeong Y*. Normalization of Cortical Thickness Measurements across Different T1 Magnetic Resonance Imaging Protocols by Novel W-Score Standardization. *NeuroImage* 2017 Oct 1. 224-236 doi: 10.1016/j.neuroimage.2017.07.053

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55. Gohel B, Lee P, Kim M-Y, Kim K, Jeong Y*. MEG based functional connectivity: Application of ICA to alleviate signal leakage. *IRBM*, 2017 June:38(3):127-137. doi:10.1016/j.irbm.2017.03.002
56. Sohn WS, Lee TY, Yoo K, Yun J-Y, Hur J-W, Yoon YB, Seo SW, Na DL, Jeong Y*, Kwon JS*. Node Identification using Inter-Regional Correlation Analysis for Mapping Detailed Connections in Resting State Networks. *Front Neurosci*, 2017, 11:00238 doi: 10.3389/fnins.2017.00238
57. Choi JY, Jeong Y*. Elevated emotional contagion in a mouse model of Alzheimer's disease is associated with increased synchronization in the insula and amygdala. *Sci Rep*. 2017 April 07:7:46262. doi:10.1038/srep46262
58. Yoon JH, Lee ES, Jeong Y*. In vivo Imaging of the Cerebral Endothelial Glycocalyx in Mice. *J Vasc Res* 2017 April 01:54:59-67. Doi: 10.1159/000457799.
59. Lee P, Ryoo H, Park J*, Jeong Y*. Morphological and Microstructural Changes of the Hippocampus in Early MCI: ADNI study. *J Clin Neurol* 2017 April;13(2):144-154. doi:10.3988/jcn.2017.13.2.144
60. Park M, Jung H, Jeong Y, Jeong KH*. Plasmonic Schirmer Strip for Human Tear-Based Gouty Arthritis Diagnosis Using Surface-Enhanced Raman Scattering. *ACS Nano*. 2017 Jan 24;11(1):438-443. doi: 10.1021/acsnano.6b06196.
61. Yoo K, Lee P, Chung MK, Sohn WS, Chung SJ, Na DL, Ju D, Jeong Y*. Degree-based statistic and center persistency for brain connectivity analysis. *Hum Brain Mapp*. 2017 Jan;38(1):165-181. doi: 10.1002/hbm.23352.
62. Yu H, Lee P, Jo YJ, Lee KR, Tuchin V, Jeong Y, Park YK*. Collaborative effects of wavefront shaping and optical clearing agent in optical coherence tomography. *J Biomed Opt*. 21(12), 121510 (Oct 28, 2016). doi:10.1117/1.JBO.21.12.121510
63. Lee M, Lee E, Jung J, Yu H, Kim K, Yoon J, Lee S, Jeong Y*, Park YK*. Label-free optical quantification of structural alterations in Alzheimer's disease. *Sci Rep*. 2016 Aug 3;6:31034. doi: 10.1038/srep31034. PubMed PMID: 27485313.
64. Chung J, Yoo KS, Kim EJ, Na DL, Jeong Y*. Glucose Metabolic Brain Networks in Early-Onset vs. Late-Onset Alzheimer's Disease. *Front. Aging Neurosci.*, 30 June 2016 8:00159 doi: 10.3389/fnagi.2016.00159
65. Gohel B, Lee P, Jeong Y*. Modality-specific spectral dynamics in response to visual and tactile sequential shape information processing tasks: An MEG study using multivariate pattern classification analysis. *Brain Res*. 2016 Aug 1644:39-52.

66. Yu H, Lee P, Lee K, Jang J, Lim J, Jang W, Jeong Y*, Park YK*. In vivo deep tissue imaging using wavefront shaping optical coherence tomography. *J Biomed Opt.* 2016 Oct 1;21(10):101406. doi: 10.1117/1.JBO.21.10.101406. *co-correspondence
67. Lee ES, Yoo K, Lee YB, Chung J, Lim JE, Yoon B, Jeong Y*; Alzheimer's Disease Neuroimaging Initiative. Default Mode Network Functional Connectivity in Early and Late Mild Cognitive Impairment: Results From the Alzheimer's Disease Neuroimaging Initiative. *Alzheimer Dis Assoc Disord.* 2016 Oct-Dec;30(4):289-296.
68. Kim S, Kim S, Khalid A, Jeong Y, Jeong B, Lee ST, Jung KH, Chu K, Lee SK, Jeon D. Rhythmical Photic Stimulation at Alpha Frequencies Produces Antidepressant-Like Effects in a Mouse Model of Depression. *PLoS One.* 2016 Jan 4;11(1):e0145374. doi: 10.1371/journal.pone.0145374. eCollection 2016.
69. Lee YB, Lee J, Tak S, Lee K, Na DL, Seo SW, Jeong Y*, Ye JC*. Alzheimer's Disease Neuroimaging Initiative. Sparse SPM: Group Sparse-dictionary learning in SPM framework for resting-state functional connectivity MRI analysis. *Neuroimage.* 2016 Jan 15;125:1032-45. doi: 10.1016/j.neuroimage.2015.10.081. Epub 2015 Oct 31 *co-correspondence
70. Lee BH, Lim TH, Yoon YW, Yenari MA, Jeong Y. Post-injury neuroplasticity in central neural networks. (Editorial) *Neural Plasticity.* vol. 2015, Article ID 857085, 2 pages, 2015. doi:10.1155/2015/857085
71. Sohn WS, Yoo K, Lee YB, Seo SW, Na DL, Jeong Y*. Influence of ROI selection on resting state functional connectivity: an individualized approach for resting state fMRI analysis. *Front Neurosci.* 2015 Aug 11;9:280. doi: 10.3389/fnins.2015.00280
72. Yoo SW, Guevara P, Jeong Y, Yoo K, Shin JS, Mangin JF, Seong JK. An Example-Based Multi-Atlas Approach to Automatic Labeling of White Matter Tracts. *PLoS One.* 2015 Jul 30;7:e0133337. doi:10.1371/journal.pone.0133337.
73. Kim H, Yoo K, Na DL, Seo SW, Jeong J*, Jeong Y*. Non-monotonic reorganization of brain networks with Alzheimer's disease progression. *Front Aging Neurosci.* 2015 Jun 9;7:111. doi: 10.3389/fnagi.2015.00111. eCollection 2015. *co-correspondence
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