

## 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](mailto:yong@kaist.ac.kr), [yong@kaist.edu](mailto: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](http://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](http://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. Chun MY, Lee T, Kim SH, Lee HS, Kim YJ, Lee PH, Sohn YH, Jeong Y\*, Chung SJ\*. Hypoperfusion in Alzheimer's Disease-Prone Regions and Dementia Conversion in Parkinson's Disease. Clin Nucl Med. doi: 10.1097/RLU.0000000000005211 (Epub)
2. 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. 2024 Feb;39(2):318-327. doi: 10.1002/mds.29681.
3. 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 Disease: An Early Phase 18 F-FP-CIT Positron Emission Tomography Study. Ann Neurol. 2024 Feb;95(2):388-399. doi: 10.1002/ana.26827.

4. Chung SJ, Kim SH, Park CW, Lee HS, Yun M, Kim YJ, Sohn YH, Jeong Y\*, Lee PH\*. Patterns of regional cerebral hypoperfusion in early Parkinson's disease: Clinical implications. *Parkinsonism Relat. Disord.* 2024 Feb;121:106024. doi: 10.1016/j.parkreldis.2024.106024.

## 2023

5. 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.
6. 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.
7. 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.
8. 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.
9. 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.
10. 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/acer.13805.

## 2022

11. 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.
12. 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
13. 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

14. 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.
15. 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.
16. 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
17. 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
18. 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.
19. 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.
20. 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
21. 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
22. 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.
23. 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
24. 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.

25. 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

## 2021

26. 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 Neurol*. 2021 Dec;30(6):430-440. doi: 10.5607/en21046
27. 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.
28. 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
29. 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.
30. 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;4:29–438. doi.: 10.1038/s41928-021-00585-x
31. 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.
32. Kim HR, Lee T, Choi JK, Jeong Y\*. Alzheimer's Disease Neuroimaging Initiative. Polymorphism in the MAGI2 Gene Modifies the Effect of Amyloid  $\beta$  on Neurodegeneration. *Alzheimer Dis Assoc Disord*. 2021 Apr-Jun 01;35(2):114-120. doi: 10.1097/WAD.0000000000000422.
33. 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.
34. 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.

## 2020

35. 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
36. 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
37. 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.
38. 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
39. 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
40. 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

41. 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.
42. 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.
43. 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.
44. 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)
45. 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

46. 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.
47. Kim HR, Lee P, Seo SW, Roh JH, Oh M, Oh JS, Oh SJ, Kim JS, Jeong Y. Comparison of Amyloid  $\beta$  and Tau Spread Models in Alzheimer's Disease. *Cereb Cortex.* 2019 Sep 13;29(10):4291-4302. doi: 10.1093/cercor/bhy311.

## 2018

48. 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.
49. 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.
50. 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
51. 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.
52. 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.
53. 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

54. 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
55. 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: 0.1016/j.neuroimage.2017.07.053
56. Lee H, Jung S, Lee P, Jeong Y\*. Altered intrinsic functional connectivity in the latent period of epileptogenesis in a temporal lobe epilepsy model. *Exp Neurol*. 2017 Jul 17. pii: S0014-4886(17)30181-4. doi: 10.1016/j.expneurol.2017.07.007.
  57. 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
  58. 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
  59. 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
  60. 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.
  61. 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
  62. 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.
  63. 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.
  64. 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
  65. 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.
  66. 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
  67. 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.

68. 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
69. 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.
70. 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.
71. 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
72. 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
73. 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
74. 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.
75. 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
76. Finney GR, Williamson JB, Burtis B, Drago V, Mizuno T, Jeong Y, Crucian GP, Haque S, Heilman KM. The Effects of Chronic Right Hemispheric Damage on the Allocation of Spatial Attention: Alterations of Accuracy and Reliability. *J Int Neuropsychol Soc.* 2015 Jun 21:1-5
77. Yoo SW, Han CE, Shin JS, Seo SW, Na DL, Kaiser M, Jeong Y\*, Seong JK\*, A Network flow-based analysis of cognitive reserve in normal ageing and Alzheimer's Disease. *Scientific Report.* 2015 May 20;5:10057. doi: 10.1038/srep10057. \*co-correspondence
78. Jung S, Jeong Y\*, Jeon D\*. Epileptic activity during early postnatal life in the AY-9944 model of atypical absence epilepsy. *Cell Calcium.* 2015 May;57(5-6):376-84. doi:10.1016/j.ceca.2015.04.001. Epub 2015 Apr 8. \*co-correspondence
79. Lee J, Kim Y, Jeong Y, Na DL, Kim JW, Lee KH, Lee D. Inference of brain pathway activities for Alzheimer's disease classification. *BMC Med Inform Decis Mak.* 2015;15 Suppl

1:S1. doi: 10.1186/1472-6947-15-S1. Epub 2015 May 20. PubMed PMID: 26044913; PubMed Central PMCID: PMC4460780.

80. Yoo K, Chung SJ, Kim HS, Choung OH, Lee YB, Kim MJ, You S, Jeong Y\*. Neural substrates of motor and non-motor symptoms in Parkinson's disease: a resting FMRI study. PLoS One. 2015 Apr 24;10(4):e0125455. doi: 10.1371/journal.pone.0125455. eCollection 2015. PubMed PMID: 25909812.
81. Yoon HJ, Lee ES, Kang M, Jeong Y\*. Park JH\*. In vivo multi-Photon luminescence imaging of cerebral vasculature and blood-brain barrier integrity using gold nanoparticles. Journal of Materials Chemistry B. 2015 Mar;3:2935-3938. doi: 10.1039/C4TB01759E. \*co-correspondence
82. Kim J, Jeong Y\*. *In vivo* image of cerebral amyloid angiopathy in Alzheimer's disease mouse model. J Stroke 2015 Jan 30;17(1):87-88. Doi: 10.5853/jos.2015.17.1.87
83. Lee E, Lee JE, Yoo K, Hong JY, Oh J, Sunwoo MK, Kim JS, Jeong Y, Lee PH, Sohn YH, Kang SY. Neural correlates of progressive reduction of bradykinesia in de novo Parkinson's disease. Parkinsonism Relat Disord. 2014 Dec;20(12):1376-81. doi: 10.1016/j.parkreldis.2014.09.027.
84. Park SG, Ahn MS, Oh YJ, Kang M, Jeong Y, Jeong KH. Nanoplasmonic Biopatch for in vivo Surface Enhanced Raman Spectroscopy. Biochip J. 2014 Dec 20;8(4):289-294. doi: 10.1007/s13206-014-8407-5.
85. Gohel B, Jeong Y\*. Sensory Modality Specific Spatio-temporal Dynamics in Response to Counting Task. Neurosci Lett. 2014 Aug 15;581:20-25. doi:10.1016/j.neulet.2014.08.015.
86. Kim TE, Lee DH, Kim YJ, Mok JO, Kim CH, Park JH, Lee TK, Yoo K, Jeong Y, Lee Y, Park SA. The relationship between cognitive performance and insulin resistance in non-diabetic patients with mild cognitive impairment. Int J Geriatr Psychiatry. 2014 Jul 25;30(6):551-557. doi: 10.1002/gps.4181.
87. Jo S, Yarishkin O, Hwang YJ, Chun YE, Park M, Woo DH, Bae JY, Kim T, Lee J, Chun H, Park HJ, Lee DY, Hong J, Kim HY, Oh SJ, Park SJ, Lee H, Yoon BE, Kim Y, Jeong Y, Shim I, Bae YC, Cho J, Kowall NW, Ryu H, Hwang E, Kim D, Lee CJ. GABA from reactive astrocytes impairs memory in mouse models of Alzheimer's disease. Nat Med 2014 Aug; 20(8): 886-896. doi: 10.1038/nm.3639. [Epub 2014 June 29]
88. Sohn WS, Yoo K, Na DL, Jeong Y\*. Progressive changes in hippocampal resting state connectivity across cognitive impairment: a cross-sectional study from normal to Alzheimer's disease. Alzheimer Dis Assoc Disord. 2014;28(3):239-46. doi: 10.1097/WAD.000000000000027. PubMed PMID: 24614267.
89. Noh HJ, Seo SW, Park JE, Jeong Y, Kim GH, Noh Y, Cho H, Kim HJ, Yoon CW, Ye BS, Na DL. Blood Viscosity in Subcortical Vascular Mild Cognitive Impairment with versus without cerebral amyloid burden. J Stroke Cerebrovasc Dis 2014 May-Jun;23(5):958-66. doi: 10.1016/j.jstrokecerebrovasdis.2013.08.004. Epub 2014 Feb 28.

90. Kim J, Jeong Y\*. Augmentation of sensory-evoked hemodynamic response in an early Alzheimer's disease mouse model. *J Alzheimer Dis*. 2013 Jan 1;37(4):857-868. doi: 10.3233/JAD-121900
91. Yoo KS, Sohn WS, Jeong Y\*. Tool-use practice induces changes in intrinsic functional connectivity of parietal areas. *Frontiers in Human Neuroscience*. 2013 Feb 26 7:49. doi: 10.3389/fnhum.2013.00049
92. Sohn WS, Yoo KS, Jeong Y\*. Independent Component Analysis of Localized Resting State fMRI Reveals Specific Motor Sub-Networks. *Brain Connectivity* 2012 Sep 20;2(4):218-224.
93. Lee W, Bae CY, Kwon S, Son J, Kim J, Jeong Y, Yoo SS, Park JK. Cellular Hydrogel Biopaper for Patterned 3D Cell Culture and Modular Tissue Reconstruction. *Advanced Healthcare Materials* 2012 Sep 14;1(5):635-639. doi.: 10.1002/adhm.201200158 [Epub Jul 25]
94. Lee PH, Lee JE, Kim HS, Song SK, Lee HS, Nam HS, Cheong JW, Jeong Y, Park HJ, Kim DJ, Nam CM, Lee JD, Kim HO, Sohn YH. A randomized trial of mesenchymal stem cells in multiple system atrophy. *Annals of Neurology* 2012 Jul 23:32-40. doi: 10.1002/ana.23612 72(1)
95. Park HC, Song C, Kang M, Jeong Y, Jeong KH. Forward imaging OCT endoscopic catheter based on MEMS lens scanning. *Optics Letter* 2012 July 1;37(13):2673-75.
96. Kim EJ, Cho SS, Jeong BH, Kim YS, Seo SW, Na DL, Geschwind MD, Jeong Y\*. Glucose metabolism in sporadic Creutzfeldt-Jakob disease: an SPM Analysis of 18F-FDG PET. *European Journal of Neurology*. 2012 Mar;19(3):488-493. doi: 10.1111/j.1468-1331.2011.03570.x. Epub 2011 Nov 4.
97. Cho Y, Seong JK, Jeong Y, Shin SY. Individual Subject Classification for Alzheimer's Disease based on Incremental Learning Using a Spatial Frequency Representation of Cortical Thickness Data. *NeuroImage* 2012 Feb 1;59(3):2217-30. Epub 2011 Oct 8.
98. Cho Y, Seong JK, Shin SY, Jeong Y, Kim JH, Qiu A, Im K, Lee JM, Na DL. A Multi-Resolution Scheme for Distortion-Minimizing Mapping between Human Subcortical Structures based on Geodesic Construction on Riemannian Manifolds. *Neuroimage*. 2011 Aug 15;57(4):1376-92. Epub 2011 May 30.
99. Yoon JH, Suh MK, Jeong Y, Ahn HJ, Moon SY, Chin J, Seo SW, Na DL. Agraphia in Korean patients with early onset Alzheimer's disease. *Int Psychogeriatr*. 2011 Oct;23(8):1317-26. Epub 2011 May 27.
100. Tak S, Yoon SJ, Jang J, Yoo K, Jeong Y\*, Ye JC\*. Quantitative analysis of hemodynamic and metabolic changes in subcortical vascular dementia using simultaneous near-infrared spectroscopy and fMRI measurements. *NeuroImage* 2011 Mar 1;55(1):176-84. [Epub 2010 Nov 20.] \* co-correspondence
101. Kim YK, Na HK, Kwack SJ, Ryoo SR, Lee Y, Hong S, Hong S, Jeong Y, Min DH. Synergistic Effect of Graphene Oxide/MWCNT Films in Laser Desorption/Ionization Mass

Spectrometry of Small Molecules and Tissue Imaging. American Chemical Society Nano. 2011 Jun 28;5(6):4550-61.

102. Lyoo CH, Jeong Y, Ryu YH, Rinne JO, Lee MS. Cerebral Glucose Metabolism of Parkinson's Disease Patients with Mild Cognitive Impairment. *Eur Neurol*. 2010 Jul 1;64(2):65-73. [Epub 2010 Jul 1]
103. Seo SW, Ahn J, Yoon U, Im K, Lee JM, Kim ST, Ahn HJ, Chin J, Jeong Y, Na DL. Cortical thinning in vascular mild cognitive impairment and vascular dementia of subcortical type. *J Neuroimaging*. 2010;20(1):37-45. [Epub 2009 Feb 10]
104. Jang KE, Tak S, Jung J, Jang J, Jeong Y\*, Ye JC\*. Wavelet minimum description length detrending for near-infrared spectroscopy. *J Biomed Opt*. 2009 May-Jun;14(3):034004.
105. Lyoo, CH, Jeong Y, Ryu YH, Lee SY, Song TJ, Lee JH, Rinne JO, Lee MS. Effects of disease duration on the clinical features and brain glucose metabolism in patients with mixed type multiple system atrophy. *Brain* 2008 Feb;131(Pt 2):438-446. Epub 2008 Jan 4.
106. Drago V, Crucian GP, FitzGerald DB, Jeong Y, Finney GR, Heilman KM. Spatial attentional bias in normal people: Object or viewer-centered. *Cortex* 2008 Feb;44(2):196-199. Epub 2007 Nov 17.
107. Drago V, Finney GR, Foster PS, Amengual A, Jeong Y, Mizuno T, Crucian GP, Heilman KM. Spatial-attention and emotional evocation: Line bisection performance and visual art emotional evocation. *Brain Cogn*. 2008 Mar;66(2):140-144. Epub 2007 Aug 2.
108. Choi KM, Lee BH, Lee SC, Ku BD, Kim EJ, Suh MK, Jeong Y, Heilman KM, Na DL. Influence of moving background on line bisection performance in the normal elderly versus patients with hemispatial neglect. *Am J Phys Med Rehabil*. 2007 Jul;86(7):515-526.
109. FitzGerald DB, Jeong Y, Chang YL, White KD, Heilman KM. Asymmetrical alien hands in corticobasal degeneration. *Mov Disord*. 2007 Mar;22(4):581-584.
110. Ghacibeh GA, Mirpuri R, Drago V, Jeong Y, Heilman KM, Triggs WJ. Ipsilateral motor activation during unimanual and bimanual motor tasks. *Clin Neurophysiol*. 2007 Feb;118(2):325-332.
111. Jeong Y, Tsao JW, Efros DB, Heilman KM. Callosal neglect in hydrocephalus. *Neurocase*, 2006 Dec;12(6):346-9.
112. Mizuno T, Crucian GP, Finney GR, Jeong Y, Drago V, Heilman KM. Incremental limb hypometria. *J Neurol Neurosurg Psychiatr*. 2006 Jun;77(6):793-795.
113. Drago V, Jeong Y, Crucian GP, FitzGerald DB, Finney GR, Mizuno T, Pisani F, Heilman KM. Ipsilesional attentional-approach neglect or crossover effect. *Neurocase*. 2006 Aug;12(4):207-211.
114. Jeong Y, Drago V, Heilman KM. Radial character line bisection. *Cogn Behav Neurol*. 2006 Jun;19(2):105-108.

115. Jeong Y, Song YM, Chung PW, Kim EJ, Kang SJ, Kim JM, Cho SS, Kim SE, Byun HS, Na DL. Correlation of Ventricular Asymmetry with Metabolic Asymmetry in Frontotemporal Dementia. *J Neuroradiol.* 2005 Sep;32(4):247-254.
116. Jeong Y, Cho SS, Park JM, Kang SJ, Lee JS, Kang E, Na DL, Kim SE. 18F-FDG PET Findings in Frontotemporal Dementia: An SPM Analysis of 29 Patients. *J Nucl Med.* 2005 Feb;46(2):233-239.
117. Kim EJ, Cho SS, Jeong Y, Park KC, Kang SJ, Kang E, Kim SE, Lee KH, Na DL. Glucose metabolism in early onset versus late onset Alzheimer's disease: an SPM analysis of 120 patients. *Brain.* 2005 Aug ;128(8):1790-1801. [Epub 2005 May 11]
118. Park KC, Jeong Y, Lee BH, Kim EJ, Kim GM, Heilman KM, Na DL. Left Hemispatial Visual Neglect Associated with a Combined Right Occipital and Splenial Lesion: Another Disconnection Syndrome. *Neurocase.* 2005 Oct;15(4):310-318.
119. Jeong Y, Park KC, Cho SS, Kim EJ, Kang SJ, Kim SE, Kang E, and Na DL. Pattern of glucose hypometabolism in frontotemporal dementia with motor neuron disease. *Neurology* 2005 Feb;64(4):734-737.
120. Choi KM, Jeong Y, Lee BH, Ahn HJ, Kang SJ, Chin J, Ku BD, Heilman KM, Na DL. The influence of illusory motion on line bisection performance in normal subjects. *J Int Neuropsychol Soc.* 2005 Nov;11(7):881-888.
121. Jeong Y, Lee BH, Ahn HJ, Park KC, Heilman KM, Na DL. Attentional Bias Induced by Viewing Actual or Illusory Movements. *Neurology.* 2004 Apr;62(8):1333-1337.
122. Kang SJ, Choi SH, Lee BH, Jeong Y, Hahm DS, Han IW, Cummings JL, Na DL. Caregiver-Administered Neuropsychiatric Inventory (CGA-NPI). *J Geriatr Psychiatry Neurol.* 2004 Mar;17(1):32-35.
123. Kang SJ, Jeong Y, Lee BH, Baek MJ, Kwon JC, Chin J, Na DL. How early are initial symptoms recognized in Korean patients with Alzheimer's disease? *Int J Geriatr Psychiatry.* 2004 Jul;19(7):699-700.
124. Kwon JC, Lee BH, Ji JM, Jeong Y, Kim BJ, Heilman KM, Na DL. Length perception and production of normal subjects in proximal versus distal peripersonal space. *J Int Neuropsychol Soc.* 2004 Oct;10(6):913-919.
125. Jeong Y, Chin J, Tae WS, Hong SB, Na DL. Serial PET Findings in a Patient with Hydrocephalic Dementia and Alzheimer's Disease. *J Neuroimaging.* 2004 Apr;14(2):170-175.
126. Heilman KM, Jeong Y, Finney GR. Spatial cognition. *Neurology.* 2004 Dec;63(11):1994-1996.
127. Lee BH, Jeong Y, Kang SJ, Baek MJ, Chin J, Adair JC, Na DL. Visual search pattern during the line quadrisection task in normal subjects. *Exp Brain Res.* 2004 Jun;156(4):487-494. Epub 2004 Feb 19.

128. Jeong Y, Kim GM, Song YM, Na DL. A Tiny Hippocampal Ischemic Lesion Associated with Transient Global Amnesia. *Cerebrovasc Dis*. 2003;16(4):439-442.
129. Choi SH, Lee BH, Kim S, Hahm DS, Jeong JH, Yoon SJ, Jeong Y, Ha CK, Na DL. Interchanging scores between clinical dementia rating scale and global deteriorating scale. *Alzheimer Dis Assoc Disord*. 2003 Apr-Jun;17(2):98-105.
130. Sohn YH, Jeong Y, Kim HS, Im JH, Kim JS. The brain lesion responsible for parkinsonism after carbon monoxide poisoning. *Arch Neurol*. 2000 Aug;57(8):1214-1218.
131. Jeong Y, Baik EJ, Nam TS, Paik KS. Effect of iontophoretically applied naloxone, picrotoxin and strychnine on dorsal horn neuron activities treated with high frequency conditioning stimulation in cats. *Yonsei Med J*. 1995;36(4):336-347.
132. Nam TS, Baik EJ, Shin YU, Jeong Y, Paik KS. Mechanism of transmission and modulation of renal pain in cats; effect of transcutaneous electrical nerve stimulation on renal pain. *Yonsei Med J*. 1995;36(2):187-201.
133. Baik EJ, Jeong Y, Nam TS, Kim WK, Paik KS. Mechanism of transmission and modulation of renal pain in cats: effect of nucleus raphe magnus stimulation on renal pain. *Yonsei Med J*. 1995;36(4):348-360.
134. Chung SM, Ahn DS, Seok HS, Jeong Y, Kang BS. Effects of vanadate on vascular contractility and membrane potential in the rabbit aorta. *Yonsei Med J*. 1992;33(1):14-23.

### *Proceedings*

1. Kim G, Park HS, shin P, Eom T, Yoon JH, Jeong Y, Oh WY. Direct blood cell flow imaging in microvascular networks. SPIE digital library. 12848, 2024 Mar  
dx.doi.org/10.1117/12.3001459
2. Jeong H, Kim H, Kim R, Lee U, Jeong Y. Smartwatch Wearing Behavior Analysis: A Longitudinal Study. *Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies* September 2017 Article No.: 60. doi:10.1145/3131892
3. Lee M, Jung JH, Lee ES, Jeong Y, Park YK. Identification of amyloid plaques in mouse brain tissue slides using quantitative phase imaging. The 11<sup>th</sup> Conference on lasers and Electro-Optics Pacific Rim (CLEO-PR 2015), Busan, Korea, Aug 24-28. 2015
4. Lee J, Kim Y, Jeong Y, Na DL, Kim JW, Lee KH, Lee D. Discriminatory analysis of Alzheimer's disease through pathway activity inference in the resting-state brain. *Proceedings of the ACM 8th International Workshop on Data and Text Mining in Bioinformatics*. p11. ACM, Nov 7, 2014
5. Lee J, Kim Y, Jeong Y, Na DL, Lee K-H, Lee D. Pathway-Based Classification of Brain Activities for Alzheimer's Disease Analysis. *Proceedings of the 7th international workshop on Data and text mining in biomedical informatics*. p15-16. San Francisco, USA, Nov. 1, 2013

6. Lee J, Jeong Y, Ye JC. Group sparse dictionary learning and inference for resting-state fMRI analysis of Alzheimer's disease. Biomedical Imaging (ISBI), 2013 pp.540-543. 2013 IEEE 10th International Symposium on Biomedical Imaging:From Nano to Macro. San Francisco, CA, USA, April 7-11, 2013
7. Sohn WS, Yoo KS, Kim J, Jeong Y. Resting state brain networks and their implications in neurodegenerative disease. Proc. SPIE 8548, , 85483Z (October 24, 2012); doi:10.1117/12.2000254
8. Tak S, Jang KE, Jung J, Jang J, Jeong Y, Ye JC. NIRS-SPM: statistical parametric mapping for near infrared spectroscopy. Proceedings- SPIE The International Society for Optical Engineering. p6850. Chicago, USA 2008

#### *Review Report*

1. Jeong Y. Peer Review Report For: Attention Network Test fMRI data for participants with Parkinson's disease and healthy elderly [version 1; peer review: 2 approved]. F1000Research 2019, 8:780. doi: 10.5256/f1000research.21144.r62815

#### *Domestic Journals*

1. Park KH, Lim JS, Seo SW, Jeong Y, Noh Y, Koh SH, Bae JS, Park SA, Yang SJ, Kim HJ, Chin J, Roh JH, An SS, on behalf of Academic Committee of the Korean Dementia Association. Executive Summary of the 2019 International Conference of Korean Dementia Association: Exploring the Novel Concept of Alzheimer's Disease and Other Dementia: a Report from the Academic Committee of the Korean Dementia Association. Dementia and Neurocogn Disord. 2020 jun;19(2):39-53. doi.org/10.12779/dnd.2020.19.2.39
2. Ghahremani M, Yoo J, Chung SJ, Yoo K, Ye JC\*, Jeong Y\*. Alteration in the local and global functional connectivity of resting state networks in Parkinson's disease. J Mov Disord 2018;11(1):13-23. doi:10.14802/jmd.17061
3. Jeong Y\*. Physiology and Function of Cerebral Cortex. Journal of the Korean Society for Clinical Neurophysiology 2010;12(1):8-12.
4. Jeong Y\*. Neuroanatomical Basis of Apraxia. Brain NeuroRehab 2009;2(1):57-63.
5. Kim J, Jeong Y\*. Neurovascular coupling and its involvement in Alzheimer's disease. Vascular Neurol 2009;1(1):38-47.
6. Jeong Y\*. Function and dysfunction of parietal lobe. Dementia Neurocog Dis. 2008;7(Suppl):S30-S41.
7. Kim EJ, Suh MK, Park KC, Jeong Y, Chin J, Lee WY, Na DL\*. A Case of Idiopathic Parkinson's Disease Combined with Progressive Nonfluent Aphasia. J Korean Neurol Assoc. 2004;22(2):152-156.



8. Park KC, Jeong Y, Kim EJ, Chin J, Kang SJ, Na DL\*. Clinical and Neuropsychological Findings in Frontotemporal Dementia with Motor Neuron Disease. Korean Dementia Assoc. 2003;2(1):36-41.
9. Jeong Y, Kang SJ, Chin J, Na DL\*. A Woman Who Believes That Her Left Plegic Arm Belongs to Her Baby: A Case Report. Dementia Neurocog Dis. 2003;2(1):79-83.
10. Jeong Y, Na DL\*. PET studies in Alzheimer disease and other degenerative dementias. Korean J Nucl Med. 2003;37(1):13-23.
11. Jeong Y, Han DH, Yi HY, Cho SS, Chin J, Kang SJ, Na DL\*. Neuropsychological and neuroimaging findings of frontal variant of Alzheimer's disease. J Korean Neurol Assoc. 2003;21(1):32-40.
12. Kwon JC, Kang KW, Jeong JH, Lee BH, Jeong Y, Cho SS, Kim SE, Na DL\*. FDG-PET Findings of Semantic Dementia: an Statistical Parametric Mapping Analysis. Dementia Neurocog Dis. 2003;2(1):29-35.
13. Jeong Y, Kang S, Na DL\*. Vascular dementia. J Korean Acad Rehab Med. 2002;26(6):639-646.
14. Kwon JC, Jeong Y, Na DL\*. Dementia with parkinsonism: Corticobasal degeneration. Dementia Neurocog Dis. 2002;1(2):83-89.
15. Kang SJ, Jeong Y, Chin J, Yoon SJ, Na DL\*. Three Cases of Capgras' syndrome in patients with Alzheimer's disease. Dementia Neurocog Dis. 2002;1(2):138-142.
16. Cho HI, Jeong Y, Kang SJ, Chin J, Yoon SJ, Seo DW, Na DL\*. A case of epileptic pseudodementia. Dementia Neurocog Dis. 2002;1(2):143-149.
17. Oh JY, Kwon JC, Chin J, Kim JI, Lee JH, Choi KG, Park KD, Jeong Y, Na DL\*. Retrograde amnesia following anterior thalamic infarction. J Korean Neurol Assoc. 2002;20(5):459-468.
18. Jeong Y, Na DL\*. Bedside evaluation of neurobehavioral disorders. J Korean Neurol Assoc. 2002;20(4):325-338.
19. Choi SH, Na DL, Lee BH, Hahm DS, Jeong JH, Jeong Y, Koo EJ, Ha CK, Ahn SS\*. The validity of the Korean version of global deterioration scale. J Korean Neurol Assoc. 2002;20(6):612-617.
20. Moon SY, Jeong Y, Kang SJ, Chin J, Na DL\*. A case of hepatic encephalopathy presenting bradykinesia and abulia. Dementia Neurocog Dis. 2002;1(1):48-52.
21. Jeong Y, Chin J, Kwon JC, Suh YL, Park JM, Kim SE, Na DL\*. Is brain biopsy rational in shunt operation of normal pressure hydrocephalus in elderly? J Korean Neurol Assoc. 2001;19(6):654-659.
22. Oh WS, Kim YD, Seo SW, Jeong Y, Park SA, Heo K, Lee BI\*. Generalized nonconvulsive status epilepticus in two patients with end-stage renal disease. J Korean Neurol Assoc. 2001;19(5):533-536.

23. Sohn YH, Jeong Y, Seo SW, Kim SH, Kim JS\*. Dihydroergocryptine in the treatment of Parkinson's disease. Korean J Psychopharmacol. 2000;11(2):145-150.
24. Jeong Y, Leem JW, Chung SS, Kim YS, Yoon DM, Nam TS, Paik KS\*. Mechanism of hyperalgesia following cutaneous inflammation by complete Freund adjuvant. J Korean Pain Soc. 2000;13(2):164-174.
25. Cho DH, Kim JG, Jeong Y, Lee BH, Kim EY, Kim JG, Cho TS, Kim JS, Moon HH\*. Neurotoxicity assessment of methamphetamine and cadmium using cultured cells of Long-Evans rats. Korean J Toxicol. 1996.12(1):69-79.
26. Cho DH, Jeong Y, Kim JG, Lee BH, Hwang SJ, Lee WY, Kim JG, Cho TS, Kim JS, Moon HH\*. The neurotoxicological alterations induced by narcotic drugs and industrial chemicals in the rat are associated with quantitative changes of glial fibrillary acidic protein. Korean J Toxicol. 1995;11(2):315-327.
27. Baik EJ, Jeong Y, Seok HS, Nam TS, Paik KS\*. Effect of TENS on acute renal pain in the rat. Exp Neurobiol. 2(1):49-55, 1993.

#### *Books & Book Chapters*

1. Jeong Y. Higher Cortical Function. In: Korean Dementia Association Eds. Dementia – A Clinical approach. 3rd Ed. Academy, Seoul, Korea
2. Jeong Y, Jeong J, and Kim DS. Brain, the Space with 1.4 kilogram. Science Books, Seoul, 2014, ISBN 978-89-8371-883-9
3. Jeong Y. Chapter 2. Introduction of Bioelectricity. In: Yoo HJ and C. van Hoof Eds. CMOS Bio-Medical ICs. pp13-29. Springer, 2011, ISBN: 1441965963
4. Kim J, Jeong Y. Chapter 31. In Vivo Optical Imaging of Brain and its Application in Alzheimer's Disease. In: Wu Jinglong Ed. Early Detection and Rehabilitation Technologies for Dementia: Neuroscience and Biomedical Applications. pp236-242. IGI Global, 2011 May ISBN: 1609605594
5. Jeong Y, Kim BC. Functional Neuroimaging in Dementia. . In: Korean Dementia Association Eds. Dementia – A Clinical approach. 2nd Ed. pp179-198. Academy, Seoul, Korea. 2011
6. Kim EJ, Jeong Y. Functional Images of Alzheimer's Disease. In: Korean Dementia Association Eds. Dementia – A Clinical approach. pp303-323. Academy, Seoul, Korea. 2006.
7. Ku BD, Na HR, Jeong Y. Dementia caused by Hydrocephalus. In: Korean Dementia Association Eds. Dementia – A Clinical approach. pp573-600. Academy, Seoul, Korea. 2006.