

## Appendix 2 Coinvestigators

Name	Location	Role	Contribution
Dong Young Lee, MD, PhD	Seoul National University College of Medicine	Principal Investigator	Designed and conceptualized the cohort study; Led and supervised the cohort study; coordinated communication among study cores and study sites; acquired funding
Min Soo Byun, MD, PhD	Medical Research Center Seoul National University	Core PI Clinical & Executive	Supervised and coordinated the Clinical and Executive core of the cohort study
Dahyun Yi, PhD	Medical Research Center Seoul National University	Core PI Neuropsychology	Supervised and coordinated the Neuropsychological Core of the cohort study
Yu Kyeong Kim, MD, PhD	SMG-SNU Boramae Medical Center	Core PI PET	Supervised and coordinated the PET Core of the cohort study
Chul-Ho Sohn, MD, PhD	Seoul National University College of Medicine	Core PI MRI	Supervised and coordinated the MRI Core of the study
Inhee Mook-Jung, PhD	Seoul National University College of Medicine	Core PI Biomarker	Supervised and coordinated the Biomarker Core of the study
Murim Choi, PhD	Seoul National University	Core PI Genetics	Supervised and coordinated the Genetic Core of the study
Yu Jin Lee, MD, PhD	Seoul National University College of Medicine	Core PI Sleep	Supervised and coordinated the Sleep Core of the study
Seokyeong Hahn, PhD	Seoul National University College of Medicine	Core PI Biostatistics	Supervised and coordinated the Biostatistics Core of the study
Hyun Jung Kim, MD	Changsan Convalescent Hospital	Coinvestigator	Performed clinical assessment of participants and quality control of the clinical data
Mun Young Chang, MD	Chung-Ang University College of Medicine	Coinvestigator	Coordinated an add-on study of the main cohort study
Seung Hoon Lee, MD	Daerim St. Mary's Hospital	Coinvestigator	Performed clinical assessment of participants and quality control of the clinical data
Na Young Han, MD	Dongrae Medical Center	Coinvestigator	Performed clinical assessment of participants and quality control of the clinical data
Jisoo Pae, MD, PhD	Genome & Company	Coinvestigator	Coordinated an add-on study of the main cohort study

Hansoo Park, MD, PhD	Genome & Company	Coinvestigator	Coordinated an add-on study of the main cohort study
Jee Wook Kim, MD, PhD	Hallym University Dongtan Sacred Heart Hospital	Coinvestigator	Coordinated a study site and performed participants recruitment and quality control of the clinical data
Young Min Choe, MD	Hallym University Dongtan Sacred Heart Hospital	Coinvestigator	Performed recruitment and clinical assessment of participants and monitoring of the clinical data
Jong-Min Lee, PhD	Hanyang University	Coinvestigator	Coordinated an add-on study of the main cohort study
Dong Woo Lee, MD, PhD	Inje University Snaggye Paik Hospital	Coinvestigator	Coordinated a study site and recruited participants of the cohort study
Bo Kyung Sohn, MD	Inje University Snaggye Paik Hospital	Coinvestigator	Coordinated a study site and recruited participants of the cohort study, performed clinical data analysis
Seok Woo Moon, MD, PhD	Konkuk University Chungju Hospital	Coinvestigator	Coordinated a study site and performed clinical data analysis
Seung-Ho Ryu, MD, PhD	Konkuk University Medical Center	Coinvestigator	Coordinated a study site and recruited participants
Man Ho Choi, PhD	Korea Institute of Science and Technology	Coinvestigator	Supervised and coordinated the MRI Core of the study
Hyewon Baek, MD	Kyunggi Provincial Hospital for the Elderly	Coinvestigator	Performed clinical assessment of participants and quality control of the clinical data
Yoon-Keun Kim, MD, PhD	MD Healthcare Inc.	Coinvestigator	Coordinated an add-on study of the main cohort study
Kang Ko, MD	National Center for Mental Health	Coinvestigator	Performed clinical assessment of participants and quality control of the clinical data
Jong-Won Kim, MD, PhD	Samsung Medical Center	Coinvestigator	Supervised and performed genetic analysis
Shin Gyeom Kim, MD, PhD	Soonchunhyang University Hospital Bucheon	Coinvestigator	Coordinated a study site and performed clinical data analysis
Sun-Ho Han, PhD	Seoul National University	Coinvestigator	Coordinated blood sample repository, performed blood-biomarker-related analysis
Joo-Youn Cho, PhD	Seoul National University	Coinvestigator	Coordinated and performed blood-biomarker-related analysis

Jae Sung Lee, PhD	Seoul National University	Coinvestigator	Coordinated and performed PET image data-related analysis
Yun-Sang Lee, PhD	Seoul National University	Coinvestigator	Coordinated the acquisition of the PET data and related logistics
Jong Inn Woo, MD, PhD	Seoul National University	Coinvestigator	Supervised and advised the cohort study
Sang Eun Kim, MD, PhD	Seoul National University Bundang Hospital	Coinvestigator	Coordinated the production of PET radiotracer
Byung Chul Lee, PhD	Seoul National University Bundang Hospital	Coinvestigator	Coordinated the production of PET radiotracer
Gi Jeong Cheon, MD, PhD	Seoul National University Hospital	Coinvestigator	Coordinated the acquisition of the PET data
Koung Mi Kang, MD	Seoul National University Hospital	Coinvestigator	Participated in the acquisition and clinical interpretation of the MRI/MRA data
Jee-Eun Park, MD, PhD	Seoul National University Hospital	Coinvestigator	Performed clinical and sleep- related data analysis
Hyeong Gon Yu, MD, PhD	Seoul National University Hospital	Coinvestigator	Coordinated an add-on study of the main cohort study
Jun-Young Lee, MD, PhD	SMG-SNU Boramae Medical Center	Coinvestigator	Coordinated a study site and performed participants recruitment
Hyo Jung Choi, MD		Coinvestigator	Performed clinical assessment of participants and quality control of the clinical data
Kwangsoo Kim, Ph.D	Seoul National University Hospital	Coinvestigator	Supervised and performed biostatistics data analysis
Jun Ho Lee, MD	Seoul National University Hospital	Coinvestigator	Coordinated participant recruitment and follow-up, performed clinical assessment of participants, quality control of the clinical data analysis
Sung Wook Park, MD, PhD	Seoul National University Hospital	Research Fellow	Performed an add-on study and data analysis
So Yeon Jeon, MD	Seoul National University Hospital	Research Fellow	Coordinated participant recruitment and follow-up, performed clinical assessment of participants, quality control of the clinical data

Woo Jin Kim, MD, PhD	Seoul National University Hospital	Research Fellow	Performed clinical assessment of participants and quality control of the clinical data
Hak Young Kim	Seoul National University Hospital	Psychologist	Performed neuropsychological assessment of participants, quality control and preprocessing of the data
Haejung Joung	Seoul National University Hospital	Psychologist	Performed neuropsychological assessment of participants. quality control and preprocessing of the data
Younghwa Lee	Seoul National University Hospital	Psychologist	Performed neuropsychological assessment of participants, quality control and preprocessing of the data
Donghwi Hwang	Seoul National University	Image Analyst	Performed PET data analysis
Seung Kwan Kang	Seoul National University	Image Analyst	Performed PET data analysis
Seong A Shin	Seoul National University	Image Analyst	Performed PET data pre- processing
Jeong Yeon Hwang, MD	Seoul National University	Data Analyst	Performed sleep-related data analysis
Jong-Chan Park	Seoul National University	Data Analyst	Performed blood-biomarker related analysis
Jong-Ho Park	Samsung Medical Center	Genetic Data Analyst	Performed genetic data analysis
Jieun Seo	Seoul National University	Genetic Data Analyst	Performed genetic data analysis
Gi Jung Jung	Seoul National University Hospital	Research Coordinator	Coordinated participants recruitment, follow-up and assessment among sites, performed clinical assessment of participants and data monitoring
Min Jeong Kim	Seoul National University Hospital	Research Coordinator	Coordinated participants recruitment, Performed clinical assessment of participants

Han Na Lee	Seoul National University Hospital	Research Coordinator	Coordinated participants recruitment, follow-up and assessment among sites, performed clinical assessment of participants and data monitoring
Yun Jung Hwang	Seoul National University Hospital	Researcher	Performed the clinical data analysis
Joon Hyung Jung, MD	Seoul National University Hospital	Researcher	Performed the clinical data analysis
Kiyoung Sung, MD	Seoul National University Hospital	Researcher	Performed the clinical data analysis
Eun Hye Kim	Seoul National University	Research Assistant	Coordinated and performed the collection and pre-processing of blood samples
Han Byul Choi	National Research Center for Dementia	Administrative staff	Coordinated participant recruitment and provided administrative support