

이름: 유광선 / Kwangsun Yoo

직위: 조교수 / Assistant Professor

소속: 성균관대 삼성융합의과학원 디지털헬스학과 /
Sungkyunkwan University, Samsung Advanced
Institute for Health Sciences and Technology
(SAIHST), Department of Digital Health

기타소속: 삼성서울병원 미래의학연구원 데이터사이언스연구소
Samsung Medical Center, Research Institute for
Future Medicine, Data Science Research
Institute

국문 강연제목: 뇌 기반 예측 모델링에서의 핵심 고려사항 및 최신 발전 영문 강연제목: Key Considerations and Advances in Brain-Based Predictive Modeling

## Brief Biosketch

이력

2023-현재. 성균관대학교, SAIHST, 디지털헬스학과, 조교수 / 삼성서울병원, 데이터사이언스연구소, 조교수.

2017-2023. Yale University, 심리학과, Postdoc & Associate Research Scientist.

2015. KAIST, 바이오및뇌공학과, 박사.

2009. KAIST, 물리학과, 학사 (수리과학과 복수전공).

## 논문발표

Yoo et al. (2022) A brain-based general measure of attention. Nature Human Behaviour.

Yoo et al. (2022) A cognitive state transformation model for task-general and task-specific subsystems of the brain connectome. *NeuroImage*.

Wang and Yoo et al. (2022). Antagonistic network signature of motor function in Parkinson's disease revealed by connectome-based predictive modeling. *npj Parkinson's Disease*.

Kwon et al. (2021) Predicting multilingual effects on executive function and individual connectomes in children: An ABCD study. *PNAS*.

Jiang et al. (2023). Associations of physical frailty with health outcomes and brain structure in 483,033 middle-aged and older adults: a population-based study from the UK Biobank. *The Lancet Digital Health*.

Kardan et al. (2022) Differences in the functional brain architecture of sustained attention and working memory in youth and adults. *PLoS Biology*.