



2026학년도 전기 아주대학교 일반대학원

융합의과학과 신입생 모집 안내



모집 분야



의료기기사업전공 특화	디지털헬스케어전공 특화	임상연구설계전공 특화
다학제 교육으로 의료기기산업의 전 과정을 아우르는 현장 중심형 전문가를 양성	다양한 학문을 연계하는 디지털헬스분야의 융합연구를 통해 실무형 전문가를 양성	임상연구 경향을 파악하고 체계적인 연구설계 및 평가를 위한 현장 전문가를 양성

모집 일정

구분	정시모집 (외국인 1차 포함)	수시 1차 모집 (외국인 2차 포함)	수시 2차 모집 (외국인 미선발)
온라인 원서접수	2025. 10. 10 (금) 09:00 ~ 10. 23 (목) 17:00	2025. 11. 25 (화) 09:00 ~ 12. 4 (목) 17:00	2026. 1. 8 (목) 09:00 ~ 1. 15 (목) 17:00
서류 제출	2025. 10. 24 (금) 16:00까지	2025. 12. 5 (금) 16:00까지	2026. 1. 16 (금) 16:00까지
면접 전형일	2025. 11. 5 (수) ~ 11. 12 (수)	2025. 12. 15 (월) ~ 12. 19 (금)	2026. 1. 23 (금) ~ 1. 29 (목)
합격자 발표	2025. 12. 3 (수)	2026. 1. 14 (화)	2026. 2. 13 (금)
등록	2026. 1. 5 (월) ~ 1. 7 (수)	2026. 1. 19 (월) ~ 1. 21 (수)	2026. 2. 23 (월) ~ 2. 25 (수)

※ 편입학, 재입학 전형은 정시모집 및 수시 1차 모집 일정과 동일하게 진행되며, 입시 진행 상황에 따라 일정이 변경될 수 있음
※ 수시모집은 정시모집 이후 남은 여석 범위 내에서 선발하며, 정시모집은 시행하였으나 수시모집은 시행하지 않는 학과가 있을 수 있음

원서 접수

- ◆ 일반대학원 홈페이지 grad.ajou.ac.kr 접속 후 **팝업 창 클릭** 또는 **배너 [입학-신입학] 클릭**
- ◆ 서류제출은 인터넷 접수 후 교학팀 내 대학원 의학과(송재관 202호)로 우편 또는 방문 제출

장학 제도

- ◆ 전일제 대학원생 석·박사 100%
- ◆ 일반장학, 교직원자녀장학 등은 별도 문의
- ◆ 취업 지원(의료기기, 디지털헬스케어, 의료인공지능, IT 등 관련 기업)

문의처

- ◆ 아주대학교 일반대학원 <http://grad.ajou.ac.kr> | 아주대학교 융합의과학과 <https://www.ajoumc.or.kr/alchemist>
- ◆ 아주대학교 의과대학 교학팀 031-219-5021

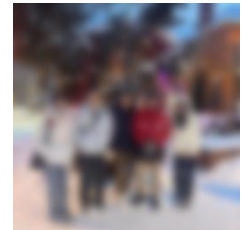


아주대학교 대학원 융합의과학과

경기도 수원시 영통구 월드컵로 164 (원천동 산 5) 송재관 2층 202호

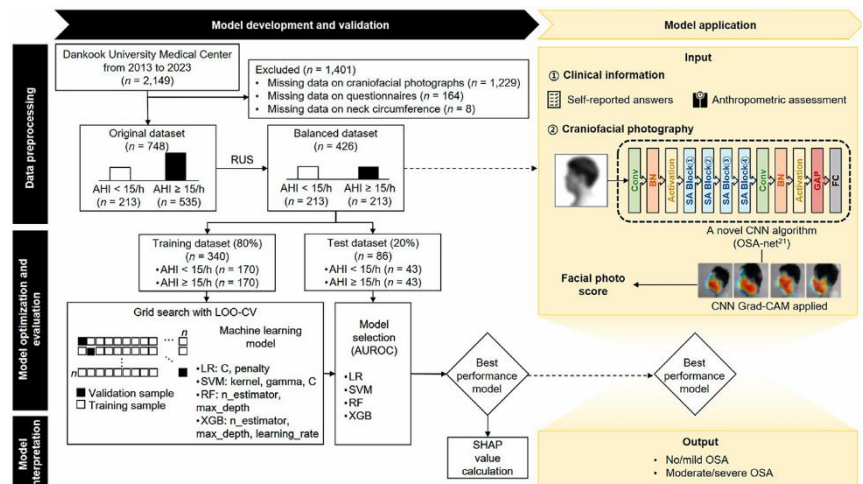
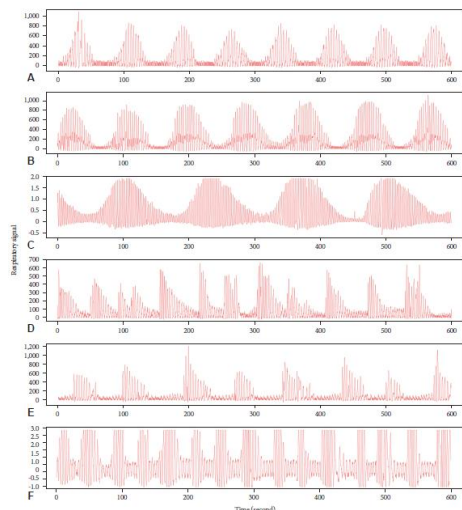
AUNAL @ Ajou University, Republic of Korea

We are conducting research in the (1) Artificial Intelligence (AI) Department, and (2) Convergence of Healthcare and Medicine, Institute of Science & Technology (ALCHeMIST) Department's Dry lab at Ajou University School of Medicine, utilizing AI technology to analyze Neuroimage and Neurosignal data. We would appreciate your interest in our work.



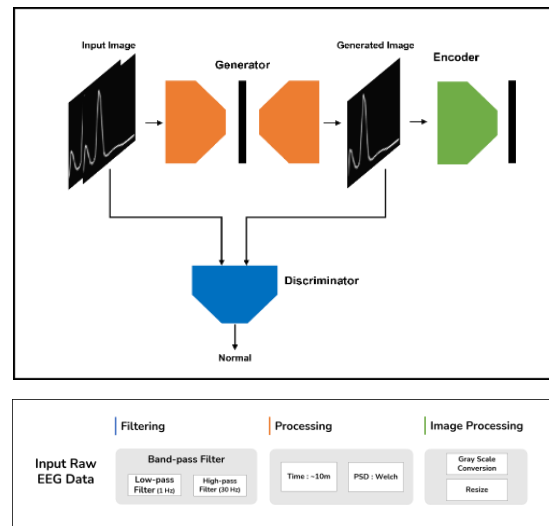
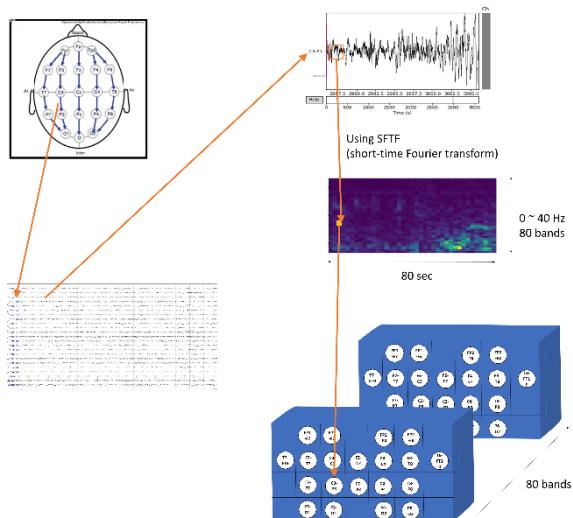
RESEARCH INTEREST

1. Biosignal Data Analysis



We currently focus mainly on biosignal data analysis and sleep disorder diagnosis. Biosignal data include all biometric information including the patient's vital signs, and Ajou University has extensive experience in storing and analyzing medical information. First, we are conducting research to detect sleep apnea by analyzing respiration signal obtained from vital signs monitor. We are also trying to accurately diagnose obstructive sleep apnea through machine learning analysis of anatomy.

2. Electroencephalography Analysis using Artificial Intelligence



Our lab is focusing our research on detecting and predicting seizures using electroencephalography. Moreover, we're also working on automating the process by which neurologists read patients' electroencephalography. This analysis is performed using Artificial Intelligence. Moreover, we are focusing on the AI-associated analysis of genetics and electroencephalography of patients with epilepsy with support from the National Research Foundation of Korea.

Tae-Joon Kim, MD, PhD

Associate Professor, Department of Neurology, Department of Leading Convergence of Healthcare and Medicine, Institute of Science & Technology (ALChEMIST), Ajou University School of Medicine, 164, Worldcup-ro, Yeongtong, Suwon, Gyeonggi, Republic of Korea

E-mail: tjkim23@ajou.ac.kr

RECENT PUBLICATIONS

[SCI(E) Journals, original research as the first, co-first*, or corresponding authorship¶]

Park JY*, Shin HR*, Kim MH*, Kim Y, Ryu WS, Kim EY, Chang H, Lee WJ, Kim JH¶, **Kim TJ¶**. A novel machine learning model for screening the risk of obstructive sleep apnea using craniofacial photography with questionnaires. *J Clin Sleep Med*. 2025 May 1;21(5):843-854.

Kim TJ*, Kim MH, Kim JH, Jun JS, Byun JI, Sunwoo JS, Shin JW, Gho SM, Sohn CH¶, Jung KY¶. Change of iron content in brain regions after intravenous iron therapy in restless legs syndrome: quantitative susceptibility mapping study. *Sleep*. 2023 Aug 14;46(8):zsad154.

Kim TJ*, Choi JW*, Han M, Kim BG, Park SA, Huh K, Choi JY¶. Usefulness of arterial spin labeling perfusion as an initial evaluation of status epilepticus. *Sci Rep*. 2021 Dec 20;11:24218.

Jang Y*, Yoon S*, **Kim TJ***, Lee S, Yu KS, Jang IJ, Chu K¶, Lee SK¶. Population pharmacokinetic model development and its relationship with adverse events of oxcarbazepine in adult patients with epilepsy. *Sci Rep*. 2021 Mar 18;11(1):6370.

Jang Y*, **Kim TJ***, Moon J*, Yang TW, Kim KT, Park BS, Lim JA, Jun JS, Lee ST, Jung KH, Park KI, Jung KY, Chu K¶, Lee SK¶. HLAs associated with perampanel-induced psychiatric adverse effects in a Korean population. *Sci Rep*. 2020 Aug 12;10(1):13667.

Kim TJ*, Cha KS*, Lee S, Yang TW, Kim KT, Park BS, Jun JS, Lim JA, Byun JI, Sunwoo JS, Shin JW, Kim KH, Lee SK¶, Jung KY¶. Brain regions associated with periodic leg movements during sleep in restless legs syndrome. *Sci Rep*. 2020 Jan 31;10(1):1615.

[non-SCI(E) Journals]

Park JY, Lee YM, **Kim TJ¶**, Choi JH¶. Riemannian Geometric-based Meta Learning. *Proceedings of the AAAI Conference on Artificial Intelligence*, 2025;39(19):19839-19847.

Park JY, Hong JR, Kim MH, **Kim TJ¶**. Skip-GANomaly++: Skip Connections and Residual Blocks for Anomaly Detection (Student Abstract). *Proceedings of the AAAI Conference on Artificial Intelligence*, 2024;38(21):23615-23617.

Park JY, Shin HR, **Kim TJ¶**. OSA-NET : An Efficient Convolutional Neural Network for OSA Diagnosis Screening Tool, *Twelfth International Conference on Image Processing Theory, Tools and Applications (IPTA), Paris, IEEE Xplore Conference Paper*, 2023 Oct 18:1-6, doi: 10.1109/IPTA59101.2023.10320072.

Kim TJ, Jung KY. Prospects of Seizure Prediction Technology for Patients with Epilepsy. *Epilepsia: Epilepsy and Community*. 2020 Sep 29;2(2):40-44.

Kim TJ¶, Yoon D, Kim JH, Jang JH. Cheyne-Stokes Respiration and Prognosis in Neurocritical Patients. *J Sleep Med*. 2020 Jun 30;17(1):84-92.

RESEARCH GRANTS

- 2024.4–2027.3 **National Research Foundation of Korea (NRF) grants** funded by the Korea government (MSIT; Ministry of Science and ICT, RS-2024-00359625)
“Prediction of adverse drug reaction and outcome in epilepsy patients using genome-EEG-machine learning”
- 2022.6–2024.8 **National Research Foundation of Korea (NRF) grants** funded by the Korea government (MSIT; Ministry of Science and ICT, NRF-2022R1F1A1076135)
“Real-time diagnosis algorithm development and treatment for sleep apnea in acute stroke patients using biosignal data”
- 2021.7–2022.6 **Clinical-Basic Translational Collaboration Research Grant of Ajou University Medical Center**
“Real-time diagnosis algorithm development for sleep apnea in cardio-cerebrovascular critically ill patients using biosignal big data and deep neural network”
- 2019.3–2021.2 **Academic Research Fund of the Korean Sleep Research Society**
“Central sleep apnea of patients with heart failure in an intensive care unit”
- 2019.6–2021.5 **National Research Foundation of Korea (NRF) grants** funded by the Korea government (MSIT; Ministry of Science and ICT, NRF-2019R1I1A1A01064291)
“Deep neural network-based real-time seizure detection algorithm development in epilepsy and status epilepticus”