2025 年度　第 2 回　生命科学技術国際卓越講義

World-leading Innovative Lectures
in Life Science & Technology
The University of Tokyo

Revolutionizing Stroke Workflow through Medical AI

Dr. Dongmin Kim, PhD.
CEO at JLK, Inc.

Date: Thursday, 26th, June, 2025
Time: 16:00 Registration
16:30-17:30 Lecture including Questions and Discussions
17:30-17:40 Break (Participants who register for the lecture only may leave here)
17:40-18:20 Social Gatherings: Free talk session – "Meet the Speaker"
Venue: Seminar room No.6, 13F Faculty of Medicine Experimental Research Bldg. Hongo-Campus, The University of Tokyo (医学部教育研究棟 13 階　第 6 セミナー室)

Abstract: The increasing application of artificial intelligence (AI) in the medical field enhances diagnostic and treatment efficiency and improves patient outcomes. In time-critical stroke care, the integration of AI's analytical power with efficient information delivery via Communication Technology, termed AICT (Artificial Intelligence & Communication Technology), is vital for optimizing clinical workflows. This presentation focuses on cutting-edge AI techniques for the precise analysis of key brain lesions (e.g., infarction, hemorrhage, aneurysm) using multi-modal imaging data (CT, MRI, etc.). Leveraged within an AICT framework to enable rapid data sharing and collaboration, these AI methods aim to shorten time-to-treatment decisions and improve stroke patient prognosis. Furthermore, this presentation will cover advanced AI approaches for 2D/3D image analysis, strategies for fusing imaging and clinical data, and neuroscience-based interpretation, illustrated with real-world clinical application examples within the AICT context.

Please register by this QR code or by clicking the following link
Registration Form

Register NOW!

Organizer: World-leading Innovative Graduate Study Program for Life Science and Technology
Cooperation: Clinical Research Promotion Center, The University of Tokyo Hospital

For Further Information Contact: Kotoko Ogawa at WINGS-LST Office
Phone: 03-5841-3483; E-mail: kogawa@g.ecc.u-tokyo.ac.jp