These conversations will not only suggest new directions for research and clinical care, but also help shape the future of healthcare systems worldwide.

Hallym University and Hallym University Chuncheon Sacred Heart Hospital will remain at the forefront of these efforts, leading innovation through academic collaboration and forward-looking research.
We are committed to building a more responsive and inclusive medical environment for all.

It is my sincere hope that the knowledge and ideas shared throughout this conference will serve as a turning point—one that advances healthcare and improves the quality of life for patients.
Your active engagement and thoughtful dialogue will make this gathering all the more significant.

In closing, I would like to express my deepest gratitude to everyone who contributed to the successful organization of this event.
I wish you continued health, success, and inspiration throughout the conference and beyond.

Thank you once again for being part of this important gathering.
I hope the Hallym brAIn Conference proves both enriching and inspiring.

Yanghee Choi
President of Hallym University

| Hallym Campus Map |

4 Day: Ilsong Art Hall, Hallym University

**1, 2, 3, 5 Day:
International Conference Hall,
Hallym University**

| Host | **HALLYM UNIVERSITY**   **CHUNCHEON SACRED HEART HOSPITAL** Hallym University Medical Center

Ministry of Science and ICT   **KOBRA** KOREA BIO RESEARCH ASSOCIATION

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Hallym
brAIn
Conference
Building Regional AI Network

Hallym brAIn Conference
International Conference on Digital Health Data Driven Global Research and Clinical Validation

| Date | June 16(Mon)-20(Fri), 2025

| Place | Ilsong Art Hall·International Conference Hall, Hallym University

| Host | Hallym University, Hallym University Chuncheon Sacred Heart Hospital, New Frontier Research Team

| Contact | Hallym University Communication Team
Tel. +82-33-248-1330

HALLYM UNIVERSITY   **CHUNCHEON SACRED HEART HOSPITAL** Hallym University Medical Center   Ministry of Science and ICT   **KOBRA** KOREA BIO RESEARCH ASSOCIATION

Hallym
brAIn Conference
Building Regional AI Network

Welcome Message

I extend my sincere welcome to the esteemed scholars joining us from Harvard Medical School, UMass Chan Medical School, the University of Cincinnati, and Nagoya City University—as well as to the professors and researchers from PyeongChang Medical Center, Seoul National University College of Medicine, the National Medical Center, and Hallym University Chuncheon Sacred Heart Hospital.

This conference marks an important occasion to reflect on the future of innovation in healthcare. We have come together with a shared goal of promoting international collaboration on digital healthcare data and clinical validation research. Digital healthcare has the potential to transform not only technology, but also how we live and care for our health. Clinical validation, in turn, plays a vital role in translating research into meaningful changes in real-world medical practice.

This event is also a valuable opportunity for Hallym University to extend its strengths in medical research and education to the global stage. Since its founding in 1982, Hallym University has been recognized for its steady contributions to medicine and public health. Hallym University Chuncheon Sacred Heart Hospital, in particular, has played a key role in addressing clinical challenges through hospital-linked research and experimental trials.

Hallym University remains committed to deepening its academic foundations and broadening global partnerships in healthcare innovation.

The participation of world-renowned institutions adds great significance to this occasion. Their collaboration will provide a solid foundation for Hallym to strengthen its presence in the world. We are equally honored to be joined by leading Korean institutions such as Seoul National University, the National Medical Center, and PyeongChang Medical Center. Their contributions bring insight and strength to our collective efforts to bridge local needs and global impact.

This conference provides a meaningful forum for in-depth discussion on critical issues: integrating and analyzing medical data, advancing AI-driven diagnosis and treatment, and applying telemedicine in practical, real-world settings.

Hallym brAIn Conference
Building Regional AI Network

Program

1 Day
Day: June 16 (Mon), 2025
Venue: International Conference Hall, Hallym University

Young Investigator Workshop: Digital Health Data Utilization

Time	Session
13:30~14:00	Opening Ceremony
14:00~14:40	Special Lecture Digital Health Data Utilization: Past, Present & Future Tianxi Cai, Professor, Dept. of Biomedical Informatics Harvard Medical School Moderator: Jinah Sim, Assistant Professor, Dept. of Artificial Intelligence Convergence Hallym University
14:40~15:00	Presentation 1: Digital Health Data Research in Korea: Integration, Innovation, and Impact Minwoo Lee, Assistant Professor, Dept. of Neurology University Sacred Heart Hospital
15:00~15:20	Presentation 2: Development and Application of Electronic Medical Records Based Machine Learning Algorithm Jae Yong Yu, Assistant Professor, Dept. of Data Science Hallym University
15:20~15:40	Presentation 3: Big Data Analysis Research (PhD Student)
15:40~16:00	Break Time
16:00~16:50	Panel Discussion: Digital Health Data Utilization Moderator: Jinah Sim, Assistant Professor, Dept. of Artificial Intelligence Convergence Hallym University Panelists: Tianxi Cai, Professor, Dept. of Biomedical Informatics Harvard Medical School Chulho Kim, Professor, Dept. of Neurology Hallym University Chuncheon Sacred Heart Hospital Jae Yong Yu, Assistant Professor, Dept. of Data Science Hallym University
16:50~17:00	Closing

2 Day
Day: June 17 (Tue), 2025
Venue: International Conference Hall, Hallym University

Young Investigator Workshop: Digital Health Data Utilization

Time	Session
09:30~10:10	Special Lecture Precision Oncology at Scale: AI-Driven Analysis of Pathology and Multi-Omics Data Kun-Hsing Yu, Assistant Professor, Dept. of Biomedical Informatics Harvard Medical School Moderator: Dong-Ok Won, Assistant Professor, Dept. of Artificial Intelligence Convergence Hallym University
10:10~10:30	Q&A
10:30~10:50	Break Time
10:50~11:10	Presentation 1: (PhD Student)
11:10~11:30	Presentation 1: (PhD Student)
11:30~12:00	Q&A Dong-Ok Won, Assistant Professor, Dept. of Artificial Intelligence Convergence Hallym University
12:00~13:30	Lunch
13:30~14:10	Special Lecture Chronic Disease Management with Digital Healthcare (remote monitoring): The Current Status in Massachusetts Apurv Soni, Assistant Professor, Dept. of Medicine University of Massachusetts Chan Medical School Moderator: Jung-Min Lee, Assistant Professor, School of Nursing Hallym University
14:10~14:30	Presentation 3: Digital Health Application at Rural Community in South Korea Kunhee Park, Director General, Pyeongchang County Health and Medical Center
14:30~14:50	Presentation 4: Symptom Burden and Adherence to Electronic Patient Reported Outcomes among Cancer Patients with Chemotherapy Mangyeong Lee, Research Professor, Dept. of Digital Health Sungkyunkwan University
14:50~15:10	Break Time
15:10~16:10	Panel Discussion: Strategies for Implementing Digital Healthcare for Gangwon Residents Moderator: Jung-Min Lee, Assistant Professor, School of Nursing Hallym University Panelists: Apurv Soni, Assistant Professor, Dept. of Medicine University of Massachusetts Chan Medical School Minjin Kim, Assistant Professor, College of Nursing University of Cincinnati Jinah Sim, Assistant Professor, Dept. of Artificial Intelligence Convergence Hallym University Dong-Ok Won, Assistant Professor, Dept. of Artificial Intelligence Convergence Hallym University
16:10~16:30	Closing

3 Day
Day: June 18 (Wed), 2025
Venue: International Conference Hall, Hallym University

Conference
Session: Digital Healthcare Commercialization
Moderator: Keun-tae Kim, Assistant Professor, Dept. of Artificial Intelligence Convergence Hallym University

Time	Session
09:30~09:50	When Wearable Biosensors Meet Medical AI Stan Kim, Vice President, Seers Technology Co., Ltd.
09:50~10:10	The Era of Alzheimer's Disease Modifying Therapy: The Importance of Neuroimaging Donghyeon Kim, Co-Founder/Co-CEO/CTO, Neurophet Inc.
10:10~10:30	In What Ways Can AI Transform Stroke Care? Wi-Sun Ryu, CMO, JLK Inc.
10:30~10:50	Break Time
10:50~11:10	Digital Healthcare Convergence of AI and Genomics Sanggoo Kang, CEO, MedySapiens Inc.
11:10~11:20	Q&A

Session: Gangwon-UMass-Hallym AI Assurance Lab Launch

Time	Session
11:20~12:00	Special Lecture The Massachusetts AI Assurance in Healthcare (MAIAH) at UMass Chan Medical School Adrian Zai, Chief Research Informatics Officer, Associate Professor, Dept. of Population and Quantitative Health Sciences University of Massachusetts Chan Medical School Moderator: Jae Yong Yu, Assistant Professor, Dept. of Data Science Hallym University
12:00~12:20	Gangwon-UMass-Hallym AI Assurance Lab Launch Jae Yong Yu, Assistant Professor, Dept. of Data Science Hallym University
12:20~12:30	Discussion
12:30~14:00	Lunch

Poster Session: Award & Presentation
Moderator: Dong-Ok Won, Assistant Professor, Dept. of Artificial Intelligence Convergence Hallym University

Time	Session
14:00~14:30	Overall Review & Awards Joan Vitello, Dean, Graduate School of Nursing of Massachusetts Chan Medical School Jatin Dave, Associate Professor, Dept. of Population and Quantitative Health Sciences University of Massachusetts Chan Medical School Sung Ho Jeon, Professor, Dept. of Life Science Hallym University Jong-Hee Shon, Professor, Dept. of Neurology Hallym University Chuncheon Sacred Heart Hospital
14:30~14:40	Poster Presentation 1
14:40~14:50	Poster Presentation 2
14:50~15:00	Poster Presentation 3
15:00~17:00	Poster Exhibition
17:00	Closing

4 Day
Day: June 19 (Thu), 2025
Venue: Ilsong Art Hall, Hallym University

Main Conference Day

Time	Session
09:30~10:05	Opening Ceremony Master of Ceremonies: Junghyun Ahn, Associate VP, University Outreach & International Relations Opening Remarks & Congratulatory Remarks
10:05~10:10	Affiliate Faculty Appointment Ceremony
10:10~10:30	Group Photo & Break Time
10:30~11:00	Keynote Speech UMass-Hallym Advancing Together Terence R. Flotte Dean, Provost & Executive Deputy Chancellor University of Massachusetts Chan Medical School

Plenary Session: Overcoming the Limitations of Regional Acute Brain Diseases Treatment through Digital Health Innovation
Moderator: Minwoo Lee, Assistant Professor, Dept. of Neurology, Hallym University Sacred Heart Hospital

Time	Session
11:00~11:40	Development and Clinical Application of an AI-Based telemedicine platform for Rural Patients with Acute Brain Conditions in Chuncheon Area, Gangwon-do, South Korea Jin Pyeong Jeon, Professor, Dept. of Neurosurgery Hallym University Chuncheon Sacred Heart Hospital
11:40~12:20	UMass-Hallym Collaboration for Intracerebral Hemorrhage Research Mark Johnson, Professor of Neurological Surgery University of Massachusetts Chan Medical School
12:20~14:00	Lunch
14:00~14:30	Stroke Prevention and Prediction Using Image-based Clinical Decision Support System Chulho Kim, Professor, Dept. of Neurology Hallym University Chuncheon Sacred Heart Hospital
14:30~15:00	Introducing a Telemedicine-Based Collaboration Platform for Medically Underserved Regions Stan Kim, Vice President, Seers Technology Co., Ltd.
15:00~15:30	Medically Underserved Areas in Gangwon State Hyo Seop Jun, Professor, of Neurosurgery Kangwon National University Hospital
15:30~16:00	Medically Underserved Areas in Jeollanam-do Sung Pil Joo, Professor, Dept. of Neurosurgery Chonnam National University
16:00~16:20	Break Time
16:20~17:00	Panel Discussion: Research, Clinical Practice, and Future Directions for Improving Essential Health Care Services in Regional Areas Moderator: Jin Pyeong Jeon, Professor, Dept. of Neurosurgery Hallym University Chuncheon Sacred Heart Hospital Panelists: Mark Johnson, Professor of Neurological Surgery University of Massachusetts Chan Medical School Minwoo Lee, Assistant Professor, Dept. of Neurology Hallym University Sacred Heart Hospital Sung Pil Joo, Professor, Dept. of Neurosurgery Chonnam National University Hyo Seop Jun, Professor, Dept. of Neurosurgery Kangwon National University Hospital
17:00~17:10	Closing Ceremony

5 Day
Day: June 20 (Fri.), 2025
Venue: International Conference Hall, Hallym University

Conference
Session: Digital Community Health Care
Moderator: Dong-soo Shin, Professor, School of Nursing, Global Frontier Research Center Hallym University

Time	Session
09:30~09:40	Opening Ceremony
09:40~10:10	Difficulties Faced by Nurses Who Take Care of Older Patients with Dementia in the Super-Aged Society of Japan Hiromi Hirata, Professor, Dept. of Gerontological Nursing Nagoya City University
10:10~10:40	AI-Based Health Care Intervention Minjin Kim, Assistant Professor, College of Nursing University of Cincinnati
10:40~11:10	Roles of AI in the Super-Aged Society Juhwan Oh, Professor, Dept. of Medicine Seoul National University College of Medicine
11:10~11:20	Break Time
11:20~12:00	Panel Discussion: Digital Community Health Care Policy for Essential Regional Health for Super-Aged Society Moderator: Dong-soo Shin, Professor, School of Nursing, Hallym University Panelists: Joan Vitello, Dean, Graduate School of Nursing University of Massachusetts Chan Medical School Hiromi Hirata, Professor, Dept. of Gerontological Nursing Nagoya City University Minjin Kim, Assistant Professor, College of Nursing University of Cincinnati Won Seup Yoo, Professor, Dept. of Family Medicine National Medical Center Juhwan Oh, Professor, Dept. of Medicine Seoul National University College of Medicine
12:00	Closing