연구중심병원 육성 R&D 사업

SMC CGTI-SAIHST GCTI International Symposium

■ **일 시: 2026년 9월 18일(금) (Sep, 18(Fri) 2026)**

■ **진 행: 온라인 심포지엄**

http://cgti.e-symposium.co.kr/

- 등록자 대상으로 온라인 심포지엄 참가 방법을 안내 드릴 예정입니다.
- 로그인(ID/PW) 정보는 등록자분들의 이메일로 부여 드릴 예정입니다.

등록안내 (Registration)

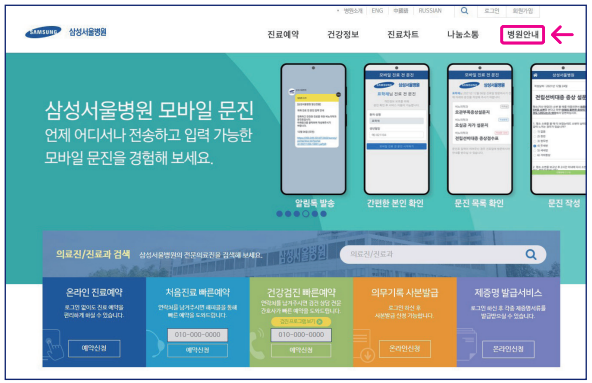
■ **마감일** (Deadline for Pre-Registration)

2026년 9월 17일(목) (Sep, 17(Thu) 2026)

■ **등록방법: 온라인 사전등록** (Online Pre-Registration)

http://cgti.e-symposium.co.kr/A/

http://www.samsunghospital.com/



■ **등록비** (Registration Fee)

등록비 (Registration Fee)는 무료입니다.

- 심포지엄 사전등록 페이지의 사전등록 접수 메뉴를 클릭 하신 후 사전등록 작성 요령에 따라 신청 진행해 주시기 바랍니다.

SAMSUNG MEDICAL CENTER
Cell and Gene Therapy Institute

SAIHST Samsung Advanced Institute for Health Sciences & Technology, SKKU
Gene & Cell Therapy Institute

■ **참고 사항**

- 참석확인증 발급이 필요하신 경우 사전등록 접수 시, 신청 부탁드립니다.
- 참석확인증은 행사 종료 후 발급 가능합니다. (10월 중 발급 예정)
- 참석확인증 발급 요청 시, 소속명을 정확히 기입해 주세요.
- 참석확인증은 당일 국제심포지엄 로그인 및 로그아웃 시간을 확인한 후 발급됩니다.

■ **문의처** (Contact Info)

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연구중심병원 육성 R&D 사업

SMC CGTI-SAIHST GCTI International Symposium

Hope For Patients with Incurable Disease

SMC CGTI 제13회 국제심포지엄

Sep. 18(Fri) 2026

INVITATION

As we welcome the fruitful season of September, I hope this message finds you well.

This year, the 13th International Symposium of the Cell & Gene Therapy Institute (CGTI) at Samsung Medical Center will be co-hosted with the Gene and Cell Therapy Institute (GCTI) of Samsung Advanced Institute for Health Sciences and Technology (SAIHST), Sungkyunkwan University, which will be held online in Friday, September 18th. We cordially invite you to participate in this symposium. Through this symposium, we aim to share the latest research developments in stem cell regenerative medicine and cell & gene therapy, as well as explore innovative treatment strategies.

Stem cell regenerative medicine, alongside cell and gene therapy, continues to advance at a remarkable pace, driving innovation in precision medicine and the advanced biomedical sciences. The symposium will encompass basic research, translational studies, clinical applications, and the rapidly evolving policy landscape of advanced regenerative medicine—bringing together the latest findings and perspectives on where the field is headed.

We are honored to welcome four distinguished keynote speakers: Professor Claudia C. dos Santos (University of Toronto), Mr. Bradley Thomas Sorenson (Providence Therapeutics Inc.), Professor Olivia Kim-McManus (UC San Diego), and Professor Samir El Andaloussi (Karolinska Institutet). They will be joined by leading researchers and experts from academia, research institutes, and government agencies both in Korea and abroad, who will present their most recent work. Through these lectures and the discussions they inspire, we hope to examine shared research challenges, explore the future of advanced medicine, and open new avenues for collaboration.

It is our sincere hope that this symposium will offer valuable scientific insights, broaden research perspectives, and further strengthen global research networks.
We look forward to welcoming you in September.

Sincerely,

Yun Sil Chang, MD, PhD
Director, Cell & Gene Therapy Institute (CGTI),
Samsung Medical Center
Director, Samsung Advanced Institute for Health Sciences and Technology (SAIHST), Sungkyunkwan University

PROGRAM

08:55~09:05 **Registration**

09:05~09:06 **Moderator**
Hye Ryoun Jang, Chair of Scientific Committee of CGTI, Samsung Medical Center, Sungkyunkwan University School of Medicine

09:06~09:09 **Opening Remarks**
Yun Sil Chang, Director of Cell and Gene Therapy Institute(CGTI), Samsung Medical Center(SMC), Director of Samsung Advanced Institute for Health Sciences and Technology(SAIHST), Sungkyunkwan University

09:09~09:12 **Welcome Address**
WooSeong Huh, Executive Vice President, Chief Research Officer, Samsung Medical Center

09:12~09:15 **Congratulatory Address**
Seung Woo Park, President & CEO of Samsung Medical Center

09:15~09:30 **Startup G-CROWN Platform**
Jeehun Lee, Samsung Medical Center, Sungkyunkwan University School of Medicine

09:30~09:35 **Discussion**

Session I **Translational & Clinical Research of Cell · Gene therapy for Incurable Diseases**
Chair : Yun Sil Chang, Director of CGTI, SMC, Director of SAIHST, Sungkyunkwan University
Jeehun Lee, Samsung Medical Center, Sungkyunkwan University School of Medicine

09:35~09:55 **Claudia C. dos Santos**, University of Toronto, Canada
MSC and MSC-EVs for the Treatment of Sepsis

09:55~10:00 Discussion

10:00~10:20 **Bradley Thomas Sorenson**, Providence Therapeutics Inc., Canada
Personalized mRNA therapeutics for Targeting Neoantigens and Overexpressed Antigens in Children and Young Adults with high-risk brain tumours.

10:20~10:25 Discussion

10:25~10:45 **Olivia Kim-McManus**, UC San Diego, USA
Antisense Oligonucleotides (ASOs) for Rare Pediatric Neurological Disorders

10:45~10:50 Discussion

10:50~11:00 **Break**

Session II **Advanced disease modeling for Aging and Longevity using Cell · Gene therapy**
Chair : Byung-Ok Choi, Samsung Medical Center, Sungkyunkwan University School of Medicine
Jaewon Lee, Pusan National University/President of the Korean Society of Gerontology

11:00~11:15 **Eun-Soo Kwon**, Korea Research Institute of Bioscience and Biotechnology (KRIBB)
Current trends and Future Directions of Aging Research;Diagnosis and Treatmemt of Aging

11:15~11:30 **Jongpil Kim**, Dongguk University
Harnessing Stem Cells and Cellular Reprogramming Technologies for Treating Brain Disorders and Age-Related Diseases

11:30~11:45 **Kyung A Cho**, Chonnam National University
Therapeutic Approaches to Reverse Aging through Immune System Reprogramming

11:45~12:00 Discussion

12:00~13:00 **Lunch**

Session III **Special Lecture on Policy Act**
Chair : Chang-Hwan Park, Director of Korean Fund for Regenerative Medicine (KFRM)
Sung-Chul Jung, Ewha Womans University

13:00~13:20 **So Ra Park**, President, Founder of Regenerative Medicine Acceleration Foundation (RMAF)
From Clinical Research to Patient Treatment: The Evolving Role of Hospitals in Advancing Korea's Regenerative Medicine Industry

13:20~13:40 **Youngwoo Jeon**, Yeouido St. Mary's Hospital, The Catholic University of Korea
TBD

13:40~14:00 **Junmi Lee**, Division of Regenerative Medicine Policy in the Ministry of Health and Welfare
Advanced Regenerative Medicine System: Policy Framework and Current Implementation

14:00~14:15 Discussion

Session IV **Perspective: Advanced Technology of Cell · Gene therapy**
Chair : Ji Hyeon Ju, Seoul St. Mary's Hospital, The Catholic University of Korea
Jae Young Lee, Samsung Medical Center, Sungkyunkwan University

14:15~14:30 **Ki-Jun Yoon**, Korea Advanced Institute of Science and Technology (KAIST)
In situ stemness assessment of human pluripotent stem cells through deep-learning-assisted holotomography

14:30~14:45 **Minseong Kim**, Sejong University
Human Pluripotent Stem Cell-Derived Schwann Cells for Modeling and Therapeutic Development of Peripheral Nervous System Disorders

14:45~15:00 **Jaejun Kim**, Sungkyunkwan University
Strategic selection of AAV capsids for human liver gene therapy

15:00~15:15 Discussion

15:15~15:25 **Break**

Session V **Recent Advances and Future Perspectives I**
Chair : Woong Sun, Korea University
Jong Wook Chang, Samsung Medical Center, Sungkyunkwan University

15:25~15:40 **Tae-Hyung Kim**, Sungkyunkwan University
Electrochemical Metabolic Profiling for Label-Free, Non-Destructive Assessment of Living Cell State and Function

15:40~15:55 **Yohan Kim**, Sungkyunkwan University
Human Periportal Liver Assembloids for in vitro Tissue Modeling

15:55~16:05 Discussion

Session VI **Recent Advances and Future Perspectives II**
Chair : Oh Young Bang, Samsung Medical Center, Sungkyunkwan University School of Medicine
Jong Wook Hong, Hanyang University/President of Korean Society for Extracellular Vesicles (KSEV)

16:05~16:25 **Samir EL Andaloussi**, Karolinska Institutet/Karolinska University, Sweden
Engineered Extracellular Vesicles Enable Efficient Gene Editing in the CNS

16:25~16:30 Discussion

16:30~16:45 **Hojun Kim**, Korea Institute of Science and Technology (KIST)
Engineering Lipid Assemblies for Efficient Gene Delivery

16:45~16:50 Discussion

Session VII **Recent Advances and Future Perspectives III**
Chair : Kyung-Mi Lee, Korea University
Hye Ryoun Jang, Samsung Medical Center, Sungkyunkwan University School of Medicine

16:50~17:05 **Duck Cho**, Samsung Medical Center
Building Better CAR-NK Cells: Rational Strategies to Enhance Antitumor Function

17:05~17:20 **June-Young Koh**, UC San Diego/Inocras Inc., USA
Pathway-Level Demultiplexing of Driver Mutations Defines the Molecular Architecture of Pediatric Solid Tumors

17:20~17:30 Discussion

17:35 **Adjourn**