The 11th International Symposium of Cell and Gene Therapy Institute

Hope For Patients with Incurable Disease

Jun. 28 (Fri) 2024

등록안내 (Registration)

마감일 (Deadline for Pre-Registration)
2024년 6월 27일(목) (Jun. 27(Thu) 2024)

등록방법: 온라인 사전등록 (Online Pre-Registration)
http://cgti.e-symposium.co.kr/A/
http://www.samsunghospital.com/

등록비 (Registration Fee)
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- 심포지엄 사전등록 페이지의 사전등록 접수 메뉴를 클릭 하신 후
  사전등록 작성 요령에 따라 신청 진행해 주시기 바랍니다.

문의처 (Contact Info)
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June greets us with green trees, blooming flowers, and beautiful sunshine. As we overcome challenges and move forward with strength, the Cell and Gene Therapy Institute at Samsung Medical Center is pleased to invite you to the 11th International Symposium, which will be held online in Friday, June 28th. This remarkable event marks a significant milestone as we celebrate a decade of progress in the field of stem cell, regenerative medicine, and cell and gene therapy.

Our institute has been at the forefront of pioneering research, aiming to enhance the lives of patients. We have consistently pursued advancements in scientific knowledge and technological innovation, achieving remarkable progress that has brought us closer to the realization of personalized medicine. On behalf of the Cell and Gene Therapy Institute at Samsung Medical Center, we would like to express our sincere gratitude to all the participants, speakers, and sponsors who have made this symposium possible. Your unwavering support and dedication have been instrumental in our journey towards scientific excellence and medical innovation.

The symposium this year will provide you with many opportunities to meet distinguished experts not only in the field of stem cell & regenerative medicine but also in the field of cell and gene therapy, while covering diverse aspects of research, from basic research, translational research to clinical medicine.

In particular, this year, we invited Professor Karen Young of University of Miami, Dr Sung-Yun Pai of NIH and Professor Matthew Porteus of Stanford University as keynote speakers. In addition, we prepared a symposium with excellent speakers including Korean scholars. Esteemed experts and leading researchers from around the world will gather to share their insights, latest findings, and innovative approaches, fostering collaboration and igniting new ideas for future breakthroughs.

We hope you have valuable experience during our symposium to share and discuss the latest developments in the field of stem cell, regenerative medicine, and cell and gene therapy. We will be grateful for your participation and warm support upon our symposium.

Sincerely,

Yun Sil Chang, M.D., Ph.D.
Director of Cell and Gene Therapy Institute (CGTI)
Samsung Medical Center
Seoul, South Korea

INVITATION

PROGRAM

08:55~09:00 Registration
09:00~09:05 Opening Remarks
  Yun Sil Chang, Director of Cell and Gene Therapy Institute, Samsung Medical Center
09:05~09:10 Welcome Address
  Seung Woo Park, President of Samsung Medical Center
09:10~09:15 Congratulatory Address
  Eunyoung Jung, Director General of Bureau of Health Industry, Ministry of Health and Welfare
  Jeethun Lee, Samsung Medical Center, Sungkyunkwan University School of Medicine

Session I  Translational & Clinical Research of Cell & Gene Therapy for Incurable Diseases
Chair : Ji Haeon Oh, The Catholic University of Korea
Yun Sil Chang, Director of Cell and Gene Therapy Institute, Samsung Medical Center

09:20~09:35 Yun Sil Chang, Director of Cell and Gene Therapy Institute, Samsung Medical Center
  MSC-derived extracellular vesicle therapy for neonatal intractable disorders
09:35~09:40 Discussion
09:40~10:05 Karen Young, University of Miami, USA
  Extracellular Vesicles: Friend or Foe in Neonatal Respiratory Diseases
10:05~10:10 Discussion
10:10~10:35 Sung-Yun Pai, NIH, USA
  Progress and hurdles in gene therapy for inborn errors of immunity
10:35~10:40 Discussion
10:40~11:05 Matthew Porteus, Stanford University, USA
  TBD
11:05~11:10 Discussion
11:10~11:25 Byung-Ok Choi, Samsung Medical Center, Sungkyunkwan University School of Medicine
  MORC2 mutant mediated neuropathy can be rescued through AAV-based gene therapy
11:25~11:30 Discussion
11:30~11:40 Lunch

Session II Recent Advances and Future Perspectives I
Chair : Joon Ho Wang
  Samsung Medical Center, Sungkyunkwan University School of Medicine
Sang Jin Kim
  Samsung Medical Center, Sungkyunkwan University School of Medicine

11:40~12:00 Tea Soon Park, National Eye Institute, USA
  Outer Retinal Disease Modeling and Regenerative Therapy using 3D-Bioprint technology and iPSC-Derived Cells
12:00~12:05 Discussion
12:05~12:25 Chang Hun Lee, Columbia University USA
  Orchestrating Timely Interplay between Endogenous Stem Cells and Macrophages for Tendon Regeneration
12:25~12:30 Discussion
12:30~12:33 Lunch

Session III Perspective: Advanced Technology of Cell & Gene Therapy to Clinical Progress
Chair : Ji Jihwan Song
  CHA University
Ji Heon Jo
  Seoul St. Mary’s Hospital, The Catholic University of Korea

13:20~13:40 Dong-Wook Kim, Yonsei University College of Medicine
  HESCs-derived dopaminergic neurons for treatment of Parkinson’s disease: basic research to clinical application
13:40~13:55 Jeethun Lee, Samsung Medical Center, Sungkyunkwan University School of Medicine
  Treatment update for Duchenne muscular dystrophy
13:55~14:10 Sang Jin Kim, Samsung Medical Center, Sungkyunkwan University School of Medicine
  Retinal gene therapy: Progress and Prospects
14:10~14:25 Discussion

Session IV Advanced disease modeling using Gene-modified cell therapy
Chair : Yong-Sang Kim, GenKOre
Jeethun Lee, Samsung Medical Center, Sungkyunkwan University School of Medicine

14:25~14:40 Hyebong Henry Kim, Yonsei University College of Medicine
  Saturation resistance profiling of EGFR variants against tyrosine kinase inhibitors using prime editing
14:40~14:55 Hyukjin Lee, Ewha Womans University
  Development of immune modulating ionizable lipids and their lipid nanoparticle formulation for mRNA vaccines and therapeutics
14:55~15:10 Hui Kwon Kim, Sungkyunkwan University
  Prediction of efficiencies for diverse prime editing systems in multiple cell types
15:10~15:25 Discussion
15:25~15:35 Break

Session V Recent Advances and Future Perspectives II
Chair : Jae Ho Kim, Pusan National University School of Medicine
Keon Hee Yoo
  Samsung Medical Center, Sungkyunkwan University School of Medicine

15:35~15:50 Tae-Don Kim, Korea Research Institute of Bioscience and Biotechnology
  Platform development for anticancer CAR-NK gene therapy
15:50~16:05 Dong-Myung Shin, University of Ulsan College of Medicine
  The Role of Glutathione Dynamics in Mesenchymal Stem Cells and Its Significance in the Treatment of Bladder Voiding Disorders
16:05~16:20 Jinah Jang, Pohang University of Science and Technology
  Bioprinting Technology for Advanced Tissue Therapeutics
16:20~16:35 Discussion

Session VI Special Lecture on Policy Act
Chair : Ilho Je, Korea Fund for Regenerative Medicine, Korea
Yun Sil Chang
  Director of Cell and Gene Therapy Institute, Samsung Medical Center

16:35~16:55 So Ra Park, Regenerative Medicine Acceleration Foundation (RMAF)
  Effects of ARM Act Revision on the RM Ecosystem of Korea
16:55~17:15 Jounghee Baek, Ministry of Food and Drug Safety
  Regulatory Updates for Advanced Biological Products
17:15~17:25 Discussion
17:25~ Adjourn

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