

■ 일시: 2021년 10월 8일 (금) (Oct. 8 (Fri) 2021)

■ 진행: 온라인 심포지엄

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

■ 온라인 심포지엄 사이트

<https://scrmi2021.cf-air.com>



| 등록안내 | Registration

■ 마감일 (Deadline for Pre-Registration)

2021년 10월 6일(수) (Until Oct. 6 (Wed) 2021)

■ 등록방법: 온라인 사전등록 (Pre-Registration Process)

<http://scrmi.urimed.co.kr>

www.samsunghospital.com (Pop-up)



■ 등록비 (Registration Fee)

사전등록 (Pre-Registration) ₩30,000 (학생 Students: ₩20,000)

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

■ 납부방법 (Payment Methods)

사전등록 (Pre-Registration): 무통장 입금 (Wire Transfer)

- 은행 (Name of Bank): 신한은행 (SHINHAN Bank)
- 계좌번호 (Account Number): 110-531-133557
- 예금주 (Account Holder): 김민정 (Min Jeong Kim)
- 송금인을 반드시 등록자의 이름으로 기재하여 주시기 바랍니다.

※ The remitter name should correspond with the registrant's name.

- 등록비는 무통장입금만 가능하며, 세금계산서가 필요한 경우 반드시 요청을 해주시기 바랍니다.

■ 참고 사항

- 사전 요청이 없을 경우, 추후 세금계산서 발급이 불가능 하오니 유의해 주시기 바랍니다.
- 입금 및 등록에 문제가 생겼을 경우, 사전등록 기간 내에 직접 연락 주셔야 하며, 그 이후는 처리가 불가함을 알려 드립니다.

■ 문의처 (Contact Info)

심포지엄 사무국 (김민정 수석연구원, 최하늘 연구원, 이경희 연구원)

Symposium Office (Min Jeong Kim, Haneul Choi, Kyunghee Lee)

Tel: +82-2-2148-9958, +82-2-2008-4054,

+82-2-2008-4056

E-mail: scrmi.smc@gmail.com

삼성서울병원
줄기세포재생의학연구소
| 제8회 국제 심포지엄 |

연구중심병원 육성 R&D 사업

The 8th International Symposium of
Stem Cell & Regenerative
Medicine Institute

Hope For Patients with
Incurable Disease

Oct. 8 (Fri) 2021



SAMSUNG MEDICAL CENTER
STEM CELL & REGENERATIVE MEDICINE INSTITUTE



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INVITATION

We hope you and your family are healthy and safe during these uncertain and unprecedented times. And also we hope the COVID-19 pandemics will be terminated as soon as possible.

At this time when cool breeze of autumn, it is my great pleasure to invite you to the 8th Virtual International Symposium of Stem Cell & Regenerative Medicine Institute (SCRMI) at Samsung Medical Center (SMC), Seoul, South Korea.

Limiting face-to-face contact with others is the best way to reduce the spread of coronavirus disease 2019 (COVID-19). So, this year, we are going to take a virtual symposium because of COVID-19 Pandemic.

Since the establishment of our SCRMI on the 1st of September 2013, we devoted ourselves to the development of novel treatment options for patients with intractable/ incurable diseases, through various research activities on stem cell and regenerative medicine. This year's symposium also commemorates the middle of the third stage of the "Research-driven Hospitals R&D Fostering Project" of the Korean Ministry of Health and Welfare, which our SCRMI was selected for the field of stem cell & regenerative medicine.

In particular, this year, we invited Professor Michael Chopp of Oakland University and Professor Kwang-Soo Kim of Harvard Medical School as key note speakers. In addition, we prepared a symposium with excellent speakers including overseas Korean scholars.

The symposium this year will provide you with many opportunities to meet distinguished experts in the field of stem cell & regenerative medicine, while covering diverse aspects of stem cell research, from basic research, translational research to clinical applications.

We hope you have valuable experience during our symposium to share and discuss the latest developments in the field of stem cell and regenerative medicine.

We will be grateful for your participation and warm supports upon our symposium.

Sincerely,

Yun Sil Chang, M.D., Ph.D.

Director of Stem Cell & Regenerative Medicine Institute
Samsung Medical Center
Seoul, South Korea



PROGRAM

09:00-09:05 **Registration**

09:05-09:10 **Opening Remarks**

Yun Sil Chang

Director of Stem Cell & Regenerative Medicine Institute, Samsung Medical Center, Korea

09:10-09:15 **Congratulatory Address**

O Jung Kwon, President of Samsung Medical Center, Korea

Session I Translational & clinical research of stem cells for incurable diseases

Chair : **Kyu-Sung Lee**,

Director, Research Institute for Future Medicine, Samsung Medical Center, Korea

Yun Sil Chang,

Director of Stem Cell & Regenerative Medicine Institute, Samsung Medical Center, Korea

09:15-09:30 **Yun Sil Chang**, Samsung Medical Center, Korea

Translational & clinical research into industrialization in the field of stem cell and regenerative medicine by Research-driven Hospitals, introduction and examples

09:30-09:35 Discussion

09:35-10:05 **Kwang-Soo Kim**, McLean Hospital/Harvard Medical School, USA

Personalized cell therapy for Parkinson's disease: Hope or Reality?

10:05-10:10 Discussion

10:10-10:50 **Michael Chopp**, Oakland University/Henry Ford Hospital, USA

Multifaceted roles of exosomes in mediating cerebrovascular dysfunction post stroke and as a potent adjunctive therapy for acute ischemic stroke

10:50-10:55 Discussion

10:55-11:00 **Break**

Session II Global Stem Cell & Regenerative Medicine Research

Chair : **Inho Jo**, Korean Fund for Regenerative Medicine, Korea

Il-Hoan Oh, The Catholic University of Korea, Korea

11:00-11:20 **James J. Yoo**, Wake Forest Institute for Regenerative Medicine, USA

Building Complex Tissues for Translational Applications

11:20-11:40 **Young-Sup Yoon**,

Emory University School of Medicine, USA/Yonsei University College of Medicine, Korea

Vascular Regeneration with Stem Cells, Direct Reprogramming, and Engineering

11:40-12:00 **Janghoo Lim**, Yale University School of Medicine, USA

Genetic and pharmacological approaches to modulate TDP43-associated neurodegenerative disease pathology

12:00-12:15 Discussion

12:15-13:30 **Lunch**

Session III Stem Cell Perspective: Cell Biology to Clinical Progress

Chair : **Gilson Khang**, Jeonbuk National University, Korea

Gun Il Im, Dongguk University, Korea

13:30-13:50 **Jang-Soo Chun**, Gwangju Institute of Science and Technology (GIST), Korea

Molecular mechanisms of osteoarthritis pathogenesis

13:50-14:05 **Byung Hyune Choi**, Inha University College of Medicine, Korea

Cartilage Regeneration Using an Injectable Tissue Engineered Cartilage

14:05-14:20 **Joon Ho Wang**, Samsung Medical Center, Korea

Functional and anatomical Restoration of meniscus using 3D cell printing technique

14:20-14:35 Discussion

Session IV Recent Advances and Future Perspectives

Chair : **Jihwan Song**, CHA University, Korea

Seong Who Kim,

Asan Medical Center, University of Ulsan College of Medicine, Korea

14:35-14:50 **Kunwoo Shin**, POSTECH, Korea

Creation of human assembloids that recapitulate in vivo tissue dynamics and cancer

14:50-15:05 **Jongman Yoo**,

CHA University School of Medicine/ORGANOIDS, Ltd., Korea

Preclinical study of ATORM-C and -S; Efficacy, safety and consideration for first-in-human trials

15:05-15:20 **Kee-Pyo Kim**, College of Medicine, The Catholic University of Korea, Korea

Donor cell memory confers a metastable state of directly converted cells

15:20-15:35 Discussion

Session V Stem Cell Basic Research and Applications

Chair : **Sung-Chul Jung**, Ewha Womans University, Korea

Jae Ho Kim, Pusan National University School of Medicine, Korea

15:35-15:50 **Cheolju Lee**, Korea Institute of Science and Technology (KIST), Korea

Mass spectrometric analysis of mesenchymal stem cell secretomes

15:50-16:05 **Il Ho Jang**, Pusan National University School of Dentistry, Korea

Regeneration of pulp-dentin complex via stimulation of dental pulp stem cells

16:05-16:15 Discussion

16:15-16:20 **Break**

Session VI Pluripotent Stem Cells and Future Perspectives for Regenerative Medicine

Chair : **Yee Sook Cho**, KRIBB, Korea

Ssang-Goo Cho, Konkuk University, Korea

16:20-16:35 **Sue Kim**, Brexogen Inc., Korea

Cargo proteins in extracellular vesicles: potential for novel therapeutics and biomarker development

16:35-16:50 **Yong Jun Kim**, Kyung Hee University, Korea

m6A RNA methylation, an essential factor in regulating gene expression to control the fate of human pluripotent stem cells

16:50-17:05 **Jaechol Lee**, Sungkyunkwan University, Korea

The modeling of uremic cardiomyopathy using patient specific induced pluripotent stem cells

17:05-17:20 Discussion

17:20- **Adjourn**