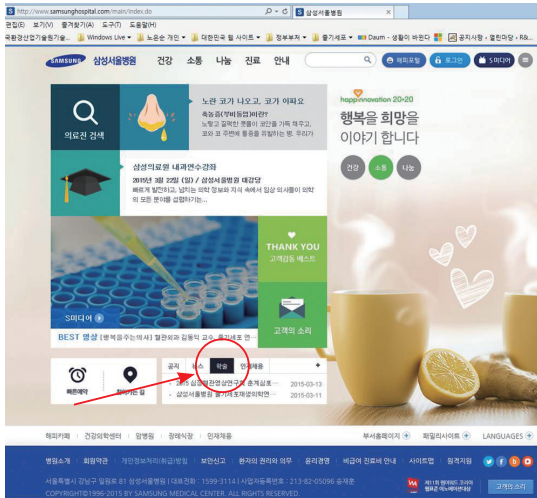


| 사전등록 | Registration

- 사전등록 마감일 : **2015년 4월 5일(일)**
- 등록비는 **무료**이며, 행사의 원활한 진행을 위하여 **사전등록** 해주시기를 부탁드립니다.
- 사전등록 방법(온라인만 접수 가능)
<http://SCRCM.urimed.co.kr> 로 접속하셔서
 사전 등록접수를 통해 등록하시거나
www.samsunghospital.com
 삼성서울병원 홈페이지로 접속하시어 팝업창을
 클릭하여 등록하시기 바랍니다.



- 문의처 : SCRCM,SMC@gmail.com
- 장 소 : **서울시 강남구 일원동 50**
삼성서울병원 본관 지하 1층 대강당

| 오시는 길 | Location



- 고속도로
 서울요금소 > 개포가락시장C(약5분) > 양재대로 우측
- 대중교통

지하철	3호선 일원역 하차 1번 출구(도보 5분거리, 셔틀버스 6분간격 병원 본관→암병원(장례식장)→일원역 순환운행)
	①삼성서울병원 사거리 4412(G), 3011(G), 강남06(G)
	②병원 정문 3219(G), 3413(G), 강남01(G)
	③병원 정문앞 3219(G), 3413(G), 강남01(G), 16, 6009(공항)
지선 버스	④병원 후문 4412(G), 3011(G), 강남06(G)
	⑤일원역 사거리 3219(G), 3413(G), 4419(G), 강남01(G), 16
	삼성서울병원 원내운행 강남01(G), 병원→대청역→삼성역방향, 06:00 ~ 23:30, 약 6분간격
간선 버스	⑤일원역 사거리 401(B), 402(B), 461(B), 333(B)
광역 버스	①삼성서울병원 사거리 9407(R), 9507(R), 9607(R)
	④병원 후문 9407(R), 9507(R), 9607(R)

※평일 행사인 관계로 주차가 혼잡할 수 있사오니
대중교통을 이용해 주시기 바랍니다.

삼성서울병원 줄기세포재생의학연구센터
 | 제2회 국제 심포지엄 |

연구중심병원 육성사업 선정 기념

The 2nd International Symposium of
 Stem Cell & Regenerative
 Medicine Center

Hope for Patients with
 Incurable Disease

삼성서울병원 줄기세포재생의학연구센터
 | 제2회 국제 심포지엄 |

April 10 (Fri) 2015

Samsung Medical Center,
 Main Auditorium, Main Building B1



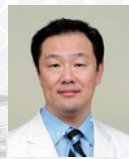
At this time of feeling the warmth of new spring, it is my great pleasure to invite you to the 2nd International Symposium of Stem Cell & Regenerative Medicine Center (SCRMC) at Samsung Medical Center (SMC).

Since the establishment of our SCRMC on September the 1st 2013, we devoted ourselves to the development of novel treatments for patients with incurable diseases, through various research activities on stem cell and regenerative medicine. In 2014, the stem cell and regenerative medicine research group of SMC was selected as one of the "Fostering Research-driven Hospitals R&D in Korea" project supported by the Korean Ministry of Health and Welfare. This year, our symposium marks the celebration of this achievement of SCRMC, and we hope to make this symposium the most valuable for the researchers in the field of stem cell and regenerative medicine.

The symposium this year will provide you with an opportunity to meet distinguished experts in this field, while covering diverse aspects of stem cell research, from basic research, translational research to clinical applications. In addition, simultaneous English-Korean translation will be prepared for the participants' active participation and discussion during a variety of sessions.

We hope that you have enlightening experiences in our symposium to share and discuss the latest developments in the field of stem cell and regenerative medicine. We will be grateful for your warmest supports upon our symposium.

Sincerely,



Chul-Won Ha, M.D., Ph.D.

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

- 08:00~ Registration
- 09:00~09:05 **Opening Remarks**
Chul-Won Ha,
Director of Stem Cell & Regenerative Medicine Center, Samsung Medical Center
- 09:05~09:10 **Welcome Address**
Jae-Hoon Song, President of Samsung Medical Center

Session 1. Clinical Application of MSC for Incurable Diseases (I)

Chair : **Dong-Ik Kim**, Samsung Medical Center
Il-Hoan Oh, The Catholic University of Korea

- 09:10~09:25 **Chul-Won Ha**, Samsung Medical Center
Clinical Experience of MSC Therapy for Cartilage & Bone Regeneration
- 09:25~09:40 **Yun Sil Chang**, Samsung Medical Center
Clinical Trials for MSC Transplantation in Incurable Diseases of Preterm Infants
- 09:40~09:55 **Oh-Young Bang**, Samsung Medical Center
Autologous Mesenchymal Stem Cell Therapy in Stroke Patients: the STARTING-2 Trial

09:55~10:10 Discussion

Session 2. MSC-derived Therapeutic Protein

Chair : **Bonghee Lee**, Gachon University
Yee Sook Cho, KRIBB

- 10:10~10:25 **Sunghoon Kim**, Seoul National University Hospital
Novel Stem Cell Factors Discovered from Translational Machinery
- 10:25~10:40 **Jae Ho Kim**, Pusan National University
Therapeutic Application of Mesenchymal Stem Cells for Tissue Repair
- 10:40~10:55 **Jong Wook Chang**, Samsung Medical Center
The Application of Mesenchymal Stem Cell-derived Paracrine Factors for Neurological Diseases

10:55~11:10 Discussion

11:10~11:25 **Coffee Break**

Session 3. Efforts to Expand Clinical Application of Stem Cell & Regenerative Medicine

Chair : **Chul Geun Kim**, Hanyang University
Jihwan Song, CHA University

- 11:25~11:40 **Ki-Chul Hwang**, Catholic Kwandong University
Stemistry: Prerequisite of Stem Cells as Therapeutics
- 11:40~11:55 **Sin-Soo Jeun**, The Catholic University of Korea
Gene Modified MSC for CNS Disease
- 11:55~12:10 **Jinseok Kim**, KIST
hNSC 3D-culture Using Microwell for Cell Therapy

12:10~12:25 Discussion

- 12:25~13:25 **Keynote Lecture**
Mesenchymal Stem Cell Bioprocessing: The role of Metabolism
Speaker : Athanasios Mantalaris, Imperial College London, UK
Chair : So Ra Park, Inha University / **Youngsook Son**, Kyung Hee University

13:25~14:45 Group Photo & Lunch

Session 4. Clinical Application of MSC for Incurable Diseases (II)

Chair : **Sung Hwa Hong**, Samsung Medical Center
Kook In Park, Yonsei University

- 14:45~15:00 **Duk L. Na**, Samsung Medical Center
Delivery of Mesenchymal Stem Cells into the Alzheimer's Disease Brain
- 15:00~15:15 **Seung Hyun Kim**, Hanyang University
Immune-inflammatory Modulation as a Therapeutic Strategy of Stem Cell Therapy for Amyotrophic Lateral Sclerosis
- 15:15~15:30 **Sang Ryong Jeon**, Asan Medical Center
Stem Cell Treatment for Chronic Spinal Cord Injury: the Strategy and Present

15:30~15:45 Discussion

Session 5. Future Opportunity of Regenerative Medicine using iPS or ES Cells

Chair : **Yong-Mahn Han**, KAIST
Sang-Hun Lee, Hanyang University

- 15:45~16:00 **Dong-Wook Kim**, Yonsei University
Road to the Clinic: Removal of PSA-NCAM-negative Neural Crest Cells Emerging during Neural Induction of Pluripotent Stem Cells Completely Eliminate Tumorigenic Potentials
- 16:00~16:15 **Seungkwon You**, Korea University
Future of iPSC technology
- 16:15~16:30 **Hyung Min Chung**, Kon kuk University
Clinical Potentials of Cardiovascular Cells from Human Pluripotent Stem Cells

16:30~16:45 Discussion

16:45~17:00 **Coffee Break**

Session 6. Functional Biomimetic Polymer for Stem Cell Engineering

Chair : **Jeong Ok Lim**, Kyungpook National University
Jong-Won Rhie, Catholic University of Korea

- 17:00~17:15 **Hansoo Park**, Chung-Ang University
Functional Hydrogel Based Culture Systems for Stem Cells
- 17:15~17:30 **Se Heang Oh**, Dankook University
Oxygen Releasing 3D-scaffold for Prolonged Cell Survival under Hypoxic Environment

17:30~17:45 Discussion

17:45~ Adjourn