



# The 10<sup>th</sup> International Conference on Cell Therapy

Friday, September 30, 2016  
Seoul National University Hospital  
Children's Hospital, 1F

08:30 ~ 09:00	<b>Registration</b>
09:00 ~ 09:10	<b>Opening Welcome Address</b> Hyo-Soo Kim, M.D., Ph.D. (Chairman of Innovative Research Institute for Cell Therapy, Seoul National University Hospital, Korea)

### Plenary Lectures (09:10 - 12:30)

Keiichi Fukuda, M.D., Ph.D. (Keio University School of Medicine, Japan)
V. Narry Kim, Ph.D. (Seoul National University, Korea)
Kenneth Walsh, Ph.D. (Boston University School of Medicine, USA)
Hiroshi Shiku, M.D., Ph.D. (Mie University Graduate School of Medicine, Japan)
Priti Hegde, Ph.D. (Genentech, USA)
Sung Hee Baek, Ph.D. (Seoul National University, Korea)

### Symposia (13:50 - 18:10)

Room 1	13:50 - 15:50	<b>Reprogramming and Stem Cell Therapy I</b>	Suk-Yeon Hwang, Ph.D. (Seoul National University, Korea) Dayton J James, Ph.D. (Weill Cornell Medical College, USA) Baoyang Hu, Ph.D. (Chinese Academy of Sciences, China)
	16:10 - 18:10	<b>Reprogramming and Stem Cell Therapy II</b>	Zhou Bin, M.D., Ph.D. (Shanghai Institute for Biological Sciences, China) Qi Zhou, Ph.D. (Chinese Academy of Sciences, China) Hyongbum Kim, Ph.D. (Yonsei University College of Medicine, Korea)
Room 2	13:50 - 15:50	<b>Cell Therapy for Diabetes</b>	Dong Sung Kim, Ph.D. (Postech, Korea) Shoen Kume, Ph.D. (Tokyo Institute of Technology, Japan) Kenneth Walsh, Ph.D. (Boston University School of Medicine, USA)
	16:10 - 18:10	<b>Cancer Immune Cell Therapy</b>	Ho-Young Lee, Ph.D. (College of Pharmacy Seoul National University, Korea) Tae-Woo Kim, Ph.D. (Korea University College of Medicine, Korea) Hiroshi Kawamoto, M.D., Ph.D. (Kyoto University, Japan)



### ❖ 등록안내

- 등록 기간 : 2016년 8월 16일(월) ~ 9월 26일(월)
- 참가비: 무료 (사전등록자에 한하여 점심 및 초록집 제공)
- 주차 : 무료
  - ※ Official Language는 영어입니다.
  - ※ 사진 및 동영상 촬영을 금지합니다.

### ❖ 연락처

- TEL : 02-740-8969, 2072-0220
- Homepage : www.celltherapy.re.kr
- E-mail : irectpr@snu.ac.kr, yjkwon@snuh.org

### ❖ 교통편 안내

- **창경궁 서울대학교병원 하행 [01002]**
  - 파랑(간선버스) : 100, 102, 104, 106, 107, 108, 140, 143, 150, 151, 160, 162, 171, 172, 272, 301, 710, 6011
  - 투어버스 : 90S투어, 91S투어 [01611]
- **창경궁 입구 상행 [01224]**
  - 파랑(간선버스) : 151, 171, 172, 272, 601
- **해화역 서울대학교병원입구 3번출구 앞 하행 [01221]**
  - 파랑(간선버스) : 109, 273, 601, N16
  - 초록(지선버스) : 2112, 종로07, 종로08, 종로12 (병원순환) [01560]
- **해화역 마로니에 공원 앞 상행**
  - 파랑(간선버스) : 100, 102, 104, 106, 107, 108, 109, 140, 143, 150, 160, 162, 273, 301, 710, N16
  - 초록(지선버스) : 2112, 종로07, 종로08 [01585]
  - 투어버스: 90S투어, 91S투어
- **병원순환버스 (종로12)**  
주요정차역 : 서울대학교병원본관 → 원남로터리 → 종로5가입구 → 종로4가 → 종로3가역(9번출구) → 돈화문 → 원남로터리 → 서울대학교치과대학 → 서울대장례식장 → 해화동로터리 → 해화역3번출구 → 서울대학교병원본관



# The 10<sup>th</sup> International Conference on Cell Therapy

일시 : 2016년 9월 30일(금) 08:30 ~18:10  
장소 : 서울대학교어린이병원 1층 임상 제1,2강의실

주최 보건복지부 지정 선도형 세포치료 연구사업단  
Innovative Research Institute for Cell Therapy

후원 보건복지부

MMBS Seoul National University

**SNUH** 서울대학교병원  
SEOUL NATIONAL UNIVERSITY HOSPITAL





안녕하십니까?

서울대학교병원 보건복지부지정 선도형 세포치료 연구사업단은 세포치료에 관한 최신의 선도 기술과 연구동향을 파악하고 앞으로의 발전방향을 모색하기 위하여 학계 전문가와 관심 있는 분들을 모시고 제10회 국제 컨퍼런스를 개최하고자 합니다.

올해로 열 번째를 맞이하는 이번 국제 컨퍼런스에서는 줄기세포 및 세포치료 분야에서 세계적 권위를 인정받고 있는 미국 Boston University School of Medicine의 Kenneth Walsh 교수, Genentech의 Priti Hegde 박사, 일본 Keio University School of Medicine의 Keiichi Fukuda 교수, Mie University Graduate School of Medicine의 Hiroshi Shiku 교수, 한국 서울대학교의 김빛내리 교수, 백성희 교수의 특별강연이 있을 예정입니다.

이와 함께 세계 각국에서 온 열한 분의 전문가들이 역분화 및 줄기세포치료(Reprogramming and Stem Cell Therapy), 항암 면역세포치료(Cancer Immune Cell Therapy), 당뇨 질환에 대한 세포치료(Cell Therapy for Diabetes)를 주제로 12개의 연재 발표를 통해 각 분야의 세계적 연구 동향에 대하여 강연과 함께 패널 토론 (panel discussion)의 시간을 가질 예정입니다.

이번 국제 컨퍼런스를 통해 세계 각국의 세포치료 연구 전문가들의 적극적인 참여와 토론으로 활발한 지식교류와 함께 긴밀한 협력 관계를 정립할 뿐만 아니라, 국내외 세포치료 연구에 관심을 갖고 계신 다양한 분야의 전문가들께서 세포치료 연구 분야의 이해와 풍성한 학술적 성과를 거두시는 기회가 되기를 바랍니다.

서울대학교병원 선도형 세포치료 연구사업단 사업단장 김효수



08:30 ~ 09:00	Registration
09:00 ~ 09:10	Opening Welcome Address Hyo-Soo Kim, M.D., Ph.D. (Chairman of Innovative Research Institute for Cell Therapy, Seoul National University Hospital, Korea)

Plenary Lectures	
<b>Clinical Lecture Room 1, 1F</b>	
Chair : Hyo-Soo Kim, M.D., Ph.D. (Seoul National University Hospital, Korea) Panel : Hyunduk Jang, Ph.D. (Seoul National University Hospital, Korea) Sung Hyun Choi, Ph.D. (Daewoong Co., Ltd, Korea)	
09:10 ~ 09:35	Generation of High Quality iPS Cells Using Linker Histone H1foo Keiichi Fukuda, M.D., Ph.D. (Keio University School of Medicine, Japan)
09:35 ~ 09:40	Scientific Panel Question & Answer
09:40 ~ 10:05	RNA Regulation in Pluripotent Stem Cells V. Narry Kim, Ph.D. (Seoul National University, Korea)
10:05 ~ 10:10	Scientific Panel Question & Answer
10:10 ~ 10:35	Hematopoietic Stem Cells of "Indeterminate Potential" and Cardiovascular Disease Kenneth Walsh, Ph.D. (Boston University School of Medicine, USA)
10:35 ~ 10:40	Scientific Panel Question & Answer
10:40 ~ 11:00	Coffee Break

Chair : Dae Seog Heo, M.D., Ph.D. (Seoul National University Hospital, Korea) Panel : Yong-Oon Ahn, Ph.D. (Seoul National University Hospital, Korea) Je-In Youn, Ph.D. (Seoul National University College of Medicine, Korea)	
11:00 ~ 11:25	Adoptive Cell Therapy with TCR-gene Engineered T Cells and Beyond Hiroshi Shiku, M.D., Ph.D. (Mie University Graduate School of Medicine, Japan)
11:25 ~ 11:30	Scientific Panel Question & Answer
11:30 ~ 11:55	The Tumor Immunity Continuum as a framework for rational combinations with Cancer Immunotherapies Priti Hegde, Ph.D. (Genentech, USA)
11:55 ~ 12:00	Scientific Panel Question & Answer
12:00 ~ 12:25	Epigenetic Regulation of Autophagy and Its Application to Stem Cell Biology Sung Hee Baek, Ph.D. (Seoul National University, Korea)
12:25 ~ 12:30	Scientific Panel Question & Answer
12:30 ~ 13:50	Lunch

Afternoon Session	
<b>Reprogramming and Stem Cell Therapy I</b>	
Chair : Zhou Bin, M.D., Ph.D. (Shanghai Institute for Biological Sciences, China) Panel : Eun Ju Lee, Ph.D. (Seoul National University Hospital, Korea) Choon-Soo Lee, Ph.D. (Seoul National University Hospital, Korea)	
13:50 ~ 14:25	Biomaterials for Cellular Reprogramming and Origami-based Tissue Engineering Suk-Yeon Hwang, Ph.D. (Seoul National University, Korea)
14:25 ~ 14:30	Scientific Panel Question & Answer
14:30 ~ 15:05	Wnt Inhibition Drives Vascular Specification of Cardiac Progenitors Daylon J James, Ph.D. (Weill Cornell Medical College, USA)
15:05 ~ 15:10	Scientific Panel Question & Answer

15:10 ~ 15:45	Long-Term Evaluation of Clinical Grade Human Parthenogenetic Stem Cell-Derived Dopaminergic Neurons in Monkey Models of Parkinson's Diseases Baoyang Hu, Ph.D. (Chinese Academy of Sciences, China)
15:45 ~ 15:50	Scientific Panel Question & Answer
15:50 ~ 16:10	Coffee Break

Reprogramming and Stem Cell Therapy II	
<b>Clinical Lecture Room 1, 1F</b>	
Chair : Hyun-Jai Cho, M.D., Ph.D. (Seoul National University Hospital, Korea) Panel : Eun Ju Lee, Ph.D. (Seoul National University Hospital, Korea) Ju-Young Kim, Ph.D. (Seoul National University Hospital, Korea)	
16:10 ~ 16:45	Endocardial Progenitor Cells Contribute to Blood Vessels in Heart and Liver Zhou Bin, M.D., Ph.D. (Shanghai Institute for Biological Sciences, China)
16:45 ~ 16:50	Scientific Panel Question & Answer
16:50 ~ 17:25	Progress of Stem Cell Therapy in China Qi Zhou, Ph.D. (Chinese Academy of Sciences, China)
17:25 ~ 17:30	Scientific Panel Question & Answer
17:30 ~ 18:05	Genome Editing and in vivo Expression of Pluripotency Factors Hyongbum Kim, Ph.D. (Yonsei University College of Medicine, Korea)
18:05 ~ 18:10	Scientific Panel Question & Answer

Cell Therapy for Diabetes	
<b>Clinical Lecture Room 2, 1F</b>	
Chair : Kyong Soo Park, M.D., Ph.D. (Seoul National University Hospital, Korea) Panel : Hakmo Lee, D.V.M., Ph.D. (Seoul National University Hospital, Korea) Hee-Sook Jun, Ph.D. (Gachon University of Medicine and Science, Korea)	
13:50 ~ 14:25	Nanomanufacturing for Advanced Cell Culture Platforms Promoting Stem Cell Functions Dong Sung Kim, Ph.D. (Postech, Korea)
14:25 ~ 14:30	Scientific Panel Question & Answer
14:30 ~ 15:05	Generation of Insulin-Producing B-Like Cells from Human iPS Cells Shoen Kume, Ph.D. (Tokyo Institute of Technology, Japan)
15:05 ~ 15:10	Scientific Panel Question & Answer
15:10 ~ 15:45	Identification of Paracrine Factors Involved in Metabolic Dysfunction and Cardiovascular Disease Kenneth Walsh, Ph.D. (Boston University School of Medicine, USA)
15:45 ~ 15:50	Scientific Panel Question & Answer
15:50 ~ 16:10	Coffee Break

Cancer Immune Cell Therapy	
<b>Clinical Lecture Room 2, 1F</b>	
Chair : Seung-Yong Seong, M.D., Ph.D. (Seoul National University College of Medicine, Korea) Panel : Yong-Oon Ahn, Ph.D. (Seoul National University Hospital, Korea) Je-In Youn, Ph.D. (Seoul National University College of Medicine, Korea)	
16:10 ~ 16:45	Targeting Tumor-Stromal Interactions as Novel Therapeutic Strategies to Overcome Resistance to Anticancer Therapy Ho-Young Lee, Ph.D. (College of Pharmacy Seoul National University, Korea)
16:45 ~ 16:50	Scientific Panel Question & Answer
16:50 ~ 17:25	NANOG Renders Stem-like State and Resistance to Multi-modality in Immunoedited Tumor Cells Tae-Woo Kim, Ph.D. (Korea University College of Medicine, Korea)
17:25 ~ 17:30	Scientific Panel Question & Answer
17:30 ~ 18:05	Regeneration of Tumor Antigen-Specific T Cells Using the iPSC Technology: a Novel Method of Allogeneic T Cell Therapy Hiroshi Kawamoto, M.D., Ph.D. (Kyoto University, Japan)
18:05 ~ 18:10	Scientific Panel Question & Answer