



# The Fifth International Conference on Cell Therapy

Tuesday, November 1, 2011  
Grand Hilton Hotel Convention Hall, 4F

08:30 - 09:00	Registration		
09:00 - 09:10	Opening		
Plenary Lectures			
09:10 - 09:40	Distinct metabolic flow enables large scale purification of cardiomyocytes from pluripotent stem cell-derivatives Keiichi Fukuda, M.D., Ph.D. (Keio University, Japan)		
09:45 - 10:15	Reconstituting growth and development of pancreatic progenitor cells Seung K Kim, Ph.D. (Stanford University, USA)		
10:20 - 10:50	Pluripotent Human Stem Cells : Cardiogenesis and Cardiac Repair Charles E Murry, M.D., Ph.D. (University of Washington, USA)		
10:55 - 11:20	Coffee Break		
11:20 - 11:50	Regulation of MicroRNA V. Narry Kim, Ph.D. (Seoul National University, Korea)		
11:55 - 12:25	Adoptive T Cell Therapy of Cancer - A New Era in Combinational Strategies Cassian Yee, M.D., Ph.D. (University of Washington, USA)		
12:30 - 13:30	Lunch		
13:30 - 15:30	Reprogramming and Stem Cell Therapy I	Cancer Immune Cell Therapy I	Cell Therapy for Diabetes
15:30 - 15:50	Coffee Break		
15:50 - 17:50	Reprogramming and Stem Cell Therapy II	Cancer Immune Cell Therapy I	Cell Therapy in Orthopedics



### ☞ 등록안내

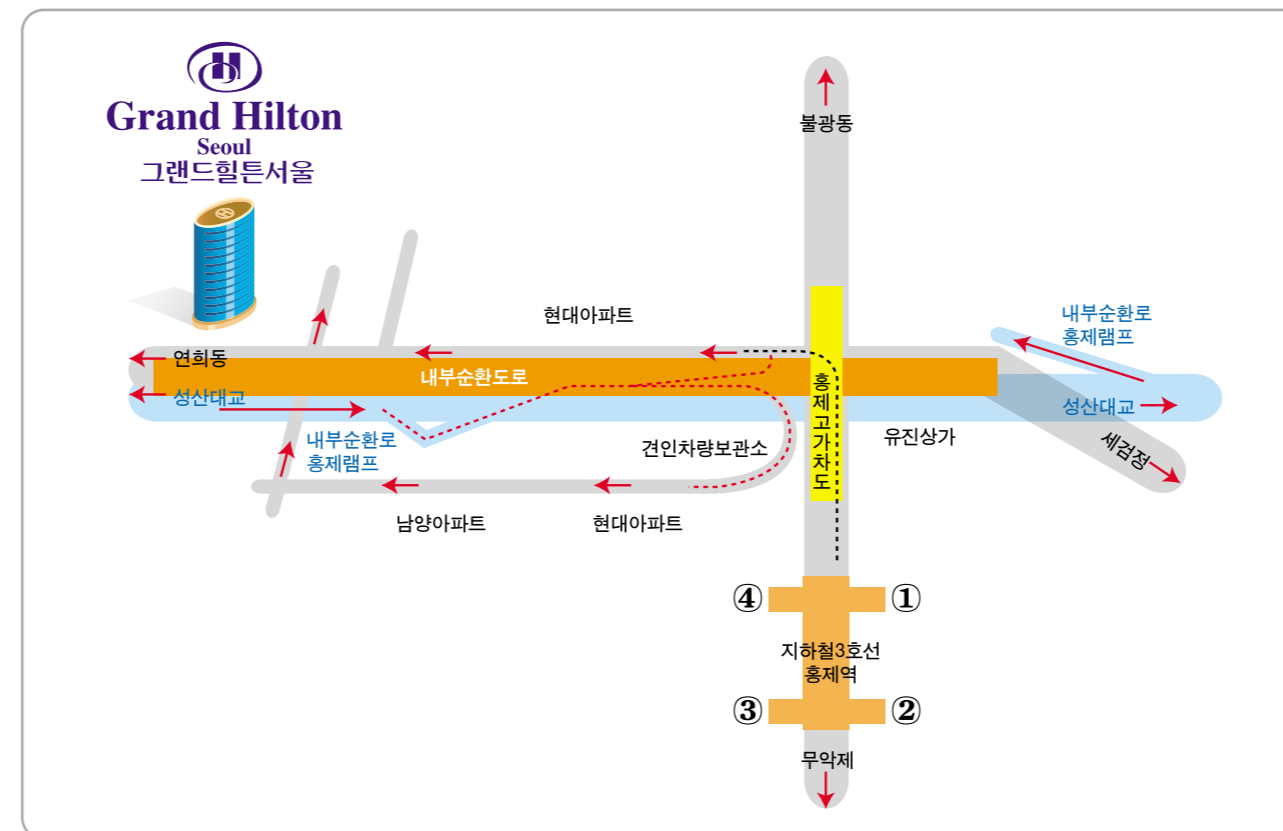
- 등록 기간 : 1차 사전등록 \_ 9월 22일(목)~10월 13일(목)  
                  추가등록 \_ 10월 19일(수)~10월 25일(화)
- 등록 방법 : 혁신형 세포치료 연구중심병원 사업단 홈페이지(www.celltherapy.re.kr)를 통하여 접수를 받으며 팩스, 전화, 전자우편으로는 접수를 받지 않습니다.  
                  단, 인터넷이 되지 않는 분께서는 사업단 사무국으로 연락을 주시기 바랍니다.
- 등록비 : 무료(사전 등록하신 분에 한하여 중식과 초록집 무료 제공)

### ☞ 연락처

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

### ☞ 교통편 안내

- 버스
  - 그랜드힐튼호텔 하차  
공항: 602-1, 초록(지선) : 7738, 7739, 서대문 01, 서대문 10, 서대문 14
  - 흥은 현대아파트 앞 하차  
파랑(간선): 110, 170, 초록(지선) : 7018, 7021, 7712, 7713, 7720
- 지하철
  - 3호선 홍제역 2번 출구 : 마을버스(서대문 01번) 또는 호텔 셔틀버스(국민은행 앞, 매시간 50분 전후) 이용



# The Fifth International Conference on Cell Therapy

일시 : 2011년 11월 1일 (화) 08:30~17:50

장소 : 그랜드 힐튼 호텔 (홍은동)

주최



후원



SNUH 서울대학교병원  
SEOUL NATIONAL UNIVERSITY HOSPITAL

# 인사말



안녕하십니까.

서울대학교병원 내 보건복지부지정 혁신형 세포치료 연구중심병원 사업단은 세포치료에 관한 최신의 선도기술과 연구동향을 파악하고 이의 발전방향을 모색하기 위하여 학계 전문가와 관심 있는 분들을 모시고 제 5회 국제 컨퍼런스를 개최하고자 합니다.

올해로 다섯 번째를 맞이하는 이번 국제 컨퍼런스에서는 세포치료 분야에서 세계적 권위를 인정받고 있는 서울대학교 김 빛내리 교수, 미국 University of Washington의 Charles E Murry 교수, Cassian Yee 교수, Stanford University의 Seung K Kim 교수, 일본 Keio University의 Keiichi Fukuda 교수의 특별강연이 있을 예정입니다.

이와 함께 세계 각국의 22분 전문가들이 역분화 및 줄기세포치료(Reprogramming and Stem Cell Therapy), 항암 면역세포 치료(Cancer Immune Cell Therapy), 당뇨병에 대한 세포치료(Cell Therapy for Diabetes), 골-연골재생을 위한 세포치료(Cell Therapy in Orthopedics)를 주제로 각 분야의 심도 있는 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, 국내의 세포치료 연구에 관심을 갖고 계신 다양한 분야의 전문가들께서 세포치료 연구 분야의 이해와 풍성한 학술적 성과를 거두시는 기회가 되기를 바랍니다.

서울대학교병원 혁신형 세포치료 연구중심병원 사업단장 **박 영 배**



# 일정표

08:30-09:00	<b>Registration</b>	
09:00-09:10	<b>Opening</b>	
	<b>Welcome Address</b>	Young-Bae Park, M.D., Ph.D. (Chairman of Innovative Research Institute for Cell Therapy, Seoul National University Hospital, Korea)
<b>Plenary Lectures</b>		
		<b>Convention Hall, 4F</b>
		<b>Chair : Hyo-Soo Kim, M.D., Ph.D. (Seoul National University Hospital, Korea)</b>
	<b>Panel : Hyun-Jai Cho, M.D., Ph.D. (Seoul National University Hospital, Korea), Hye Seung Jung, M.D., Ph.D. (Seoul National University Hospital, Korea), Hak-Mo Lee, Ph.D. (Seoul National University Hospital, Korea),</b>	
09:10-09:40	<b>Distinct metabolic flow enables large scale purification of cardiomyocytes from pluripotent stem cell-derivatives</b>	Keiichi Fukuda, M.D., Ph.D. (Keio University, Japan)
09:40-09:45	Scientific Panel Question & Answer	
09:45-10:15	<b>Reconstituting growth and development of pancreatic progenitor cells</b>	Seung K Kim, Ph.D. (Stanford University, USA)
10:15-10:20	Scientific Panel Question & Answer	
10:20-10:50	<b>Pluripotent Human Stem Cells : Cardiogenesis and Cardiac Repair</b>	Charles E Murry, M.D., Ph.D.(University of Washington, USA)
10:50-10:55	Scientific Panel Question & Answer	
10:55-11:20		<i>Coffee Break</i>
		<b>Chair : Charles E Murry, M.D., Ph.D. (University of Washington, USA)</b>
	<b>Panel : Hyun-Jai Cho, M.D., Ph.D. (Seoul National University Hospital, Korea), Hye Seung Jung, M.D., Ph.D. (Seoul National University Hospital, Korea), Hak-Mo Lee, Ph.D. (Seoul National University Hospital, Korea)</b>	
11:20-11:50	<b>Regulation of MicroRNA</b>	V. Narry Kim, Ph.D. (Seoul National University, Korea)
11:50-11:55	Scientific Panel Question & Answer	
11:55-12:25	<b>Adoptive T Cell Therapy of Cancer - A New Era in Combinational Strategies</b>	Cassian Yee, M.D., Ph.D. (University of Washington, USA)
12:25-12:30	Scientific Panel Question & Answer	
12:30-13:30		<i>Lunch</i>
<b>Afternoon Session</b>		
	<b>Reprogramming and Stem Cell Therapy I</b>	<b>Convention Hall, Room A, 4F</b>
		<b>Chair : Hyun-Jae Kang, M.D., Ph.D. (Seoul National University Hospital, Korea)</b>
	<b>Panel : Han-Mo Yang, M.D., Ph.D. (Seoul National University Hospital, Korea), Chang-Hwan Yoon, M.D., Ph.D. (Seoul National University Bundang Hospital, Korea), Hong Bae Jeon, Ph.D. (Medipost Co., Ltd)</b>	
13:30-14:05	<b>iPS technology for cancer treatment</b>	Masaki Mori, M.D., Ph.D. (Osaka University, Japan)
14:05-14:10	Scientific Panel Question & Answer	
14:10-14:45	<b>Building Novel Neurological Disease Models Using Human Pluripotent Stem Cells</b>	Sun Yi, Ph.D. (Tongji University, China)
14:45-14:50	Scientific Panel Question & Answer	
14:50-15:25	<b>Controlling Cardiac Function on the Nano-Scale : A Bio-Mimetic Approach and Intervention</b>	Deok-Ho Kim, Ph.D. (University of Washington, USA)
15:25-15:30	Scientific Panel Question & Answer	
15:30-15:50		<i>Coffee Break</i>
	<b>Reprogramming and Stem Cell Therapy II</b>	<b>Convention Hall, Room A, 4F</b>
		<b>Chair : Sun-Yi, M.D., Ph.D. (Tongji University, China)</b>
	<b>Panel : Yoo-Wook Kwon, Ph.D. (Seoul National University Hospital, Korea), Hyun-Jai Cho, M.D., Ph.D. (Seoul National University Hospital, Korea), Kyung-Woo Park, M.D., Ph.D. (Seoul National University Hospital, Korea)</b>	
15:50-16:25	<b>A Primed Pluripotency In vivo and In vitro</b>	Dong Wook Han, Ph.D. (Konkuk University, Korea)
16:25-16:30	Scientific Panel Question & Answer	
16:30-17:05	<b>Microfluidic Cell Culture Chip</b>	Sungsu Park, Ph.D. (Ewha Womans University, Kore)
17:05-17:10	Scientific Panel Question & Answer	
17:10-17:45	<b>Epigenetic Reprogramming in Induced Pluripotent Stem Cells</b>	Tae-Young Roh, Ph.D. (Postech, Korea)
17:45-17:50	Scientific Panel Question & Answer	

	<b>Cancer Immune Cell Therapy I</b>	<b>Convention Hall, Room B, 4F</b>
	<b>Panel :</b>	<b>Chair :</b>
13:30-14:05	<b>Decoding the Basis of Physiological and Pathological <math>\beta</math>-Cell Proliferation</b>	Duck Cho, M.D., Ph.D. (Chonnam National University Hwasun Hospital, Korea)
14:05-14:10	Scientific Panel Question & Answer	
14:10-14:45	<b>Regulation of Lymph Node Lymphatic Vessel Formation by Immune Cells</b>	Seung-Hyo Lee, Ph.D. (KAIST, Korea)
14:45-14:50	Scientific Panel Question & Answer	
14:50-15:25	<b>Modulation of immune cell function by soluble receptors</b>	Eui-Cheol Shin, M.D., Ph.D. (KAIST, Korea)
15:25-15:30	Scientific Panel Question & Answer	
15:30-15:50		<i>Coffee Break</i>
	<b>Cancer Immune Cell Therapy II</b>	<b>Convention Hall, Room B, 4F</b>
	<b>Panel :</b>	<b>Chair :</b>
15:50 -16:25	<b>Phase-I trial of T cell-depleted haplo-identical stem cell transplantation (Haplo-SCT) combined with HSV-TK gene modified T cell add-back</b>	Yuji Heike, Ph.D. (National Cancer Center, Japan)
16:25-16:30	Scientific Panel Question & Answer	
16:30-17:05	<b>Modulation of NK Cell Anti-Tumor Effector Functions</b>	John B. Sunwoo, M.D. (Stanford University, USA)
17:05-17:10	Scientific Panel Question & Answer	
17:10-17:45	<b>Positive Conversion of Negative Signaling of CTLA4 Potentiates Anti-Tumor T Cell Reactivity</b>	Kyunggho Choi, M.D., Ph.D. (National Cancer Center, Korea)
17:45-17:50	Scientific Panel Question & Answer	

	<b>Cell Therapy for Diabetes</b>	<b>Convention Hall, Room C, 4F</b>
	<b>Panel : Sung-Hee Ihm, M.D., Ph.D. (Hallym University Sacred Heart Hospital, Korea), Hak-Mo Lee, M.D., Ph.D. (Seoul National University Hospital, Korea), Sung Soo Chung, Ph.D. (Seoul National University Hospital, Korea)</b>	<b>Chair : Kyong Soo Park, M.D., Ph.D. (Seoul National University Hospital, Korea)</b>
13:30-14:05	<b>Understanding Signaling and Epigenetic Control of Pancreatic Beta-Cell Growth</b>	Seung K Kim, Ph.D. (Stanford University, USA)
14:05-14:10	Scientific Panel Question & Answer	
14:10-14:45	<b>Exosomes Derived from Host and Pathogen</b>	Yong Song Gho, Ph.D. (Postech, Korea)
14:45-14:50	Scientific Panel Question & Answer	
14:50-15:25	<b>Application of Endothelial Progenitor Cells in Islet Transplantation</b>	Hye Seung Jung, M.D., Ph.D. (Seoul National University Hospital, Korea)
15:25-15:30	Scientific Panel Question & Answer	
15:30-15:50		<i>Coffee Break</i>
	<b>Cell Therapy in Orthopedics</b>	<b>Convention Hall, Room C, 4F</b>
	<b>Panel : Jak Jang, M.D., Ph.D. (Seoul National University Hospital, Korea), Jae-Chul Lee, Ph.D. (Seoul National University Hospital, Korea), Seok Jung Kim, M.D., Ph.D. (Uijeongbu St. Mary's Hospital, the Catholic University of Korea, Korea)</b>	<b>Chair : Myung Chul Lee, M.D., Ph.D. (Seoul National University Hospital, Korea)</b>
15:50-16:25	<b>Peripheral Blood CD34-positive Cell Transplantation for Bone Fracture Healing</b>	Tomoyuki Matsumoto, M.D., Ph.D. (Kobe University, Japan)
16:25-16:30	Scientific Panel Question & Answer	
16:30-17:05	<b>Ligament and Tendon Tissue Engineering Using Chitosan Based Hyaluronan Hybrid Polymer Fibers</b>	Tokifumi Majima, M.D., Ph.D. (Hokkaido University, Japan)
17:05-17:10	Scientific Panel Question & Answer	
17:10-17:45	<b>Human Articular Cartilage Repair using Umbilical Cord Blood derived Mesenchymal Stem Cells</b>	Chul Won Ha, M.D., Ph.D. (Sungkyunkwan University School of Medicine, Korea)
17:45-17:50	Scientific Panel Question & Answer	