



2018년
기초과학연구회
하계심포지엄
2018

2018. 7. 20-21 부산 벡스코 제2전시관 3층 회의실

기초과학연구회 하계심포지엄 2018 Agenda (7. 20-21)

Day 1 - 2018년 7월 20일(금)			부산 벡스코 제2전시장 3층 회의실				
Time	Title		Speaker				
11:00-12:30	ART 1: Advanced Research Technology 1		Organizer: 엄광현(전남대), 정다운(광주과학기술원) Moderator: 국현(전남대), 김성준(서울대)				
11:00-11:30	1. Identification and validation of small molecule regulators of cardiac and skeletal muscle regeneration		Darren Williams	광주과학기술원			
11:30-12:00	2. Study of noncoding RNAs: Post-transcriptional regulation		김영국	전남대			
12:00-12:30	3. Posttranslational Modification		엄광현	전남대			
12:30-13:30	Lunch Time						
13:30-15:00	ART 2: Advanced Research Technology 2		Organizer: 기해진(전남대) Moderator: 김영명(강원대), 윤영섭(Emory Univ.)	Moderator: 김영명(강원대), 윤영섭(Emory Univ.)			
13:30-14:00	1. Magnetocardiography		김기웅	한국표준과학연구원			
14:00-14:30	2. Functional Annotation of Disease Genome from Mouse Phenotyping		성제경	서울대			
14:30-15:00	3. Analyses of Histone Deacetylases in Hypertension Research		기해진	전남대			
15:00-15:10	Opening Remarks						
15:10-16:10	Session H: Heart and Vessel		Organizer: 주형준(고려대) Moderator: 오구택(이화여대), 정익모(이화여대)	Moderator: 오구택(이화여대), 정익모(이화여대)			
15:10-15:20	1. Direct Reprogramming of Fibroblasts into a cardiovascular Tissue		조재연	연세대			
15:20-15:30	2. Generation of PDGFR α + cardiac lineage cells from pluripotent stem cells		조성우	인제대			
15:30-15:40	3. Fine tuning of VEGF-A signaling for endothelial differentiation of pluripotent stem cell		주형준	고려대			
15:40-15:50	4. Vascular Regeneration with Engineered human pluripotent stem cell-derived endothelial cells		이신정	연세대			
15:50-16:00	5. Genome-edited Stem Cells Secreting Angiogenic Factors for Cardiovascular Regeneration		조제열	서울대			
16:00-16:10	6. Enhanced therapeutic potential of MSC-derived exosome in cardiovascular diseases		장우철	부산대			
16:10-16:25	Coffee Break & 임원 회의(Faculty Lounge)						
16:25-17:25	Session E: Energy Metabolism		Organizer: 이상학(연세대) Moderator: 권혁무(울산기술대), 김기석(제주대)	Moderator: 권혁무(울산기술대), 김기석(제주대)			
16:25-16:35	1. ECM-derived exosomes promote cardiac tissue regeneration		김민석	이화여대			
16:35-16:45	2. Downregulation of LAMIN A by AIMP3 leads to vascular senescence		김태훈	뉴고려병원			
16:45-16:55	3. Myocardial metabolic alterations in mice with diet-induced atherosclerosis: linking sulfur amino acid and lipid metabolism		황금숙	기초과학지원연구원			
16:55-17:05	4. Role of TLR2 in the pathogenesis of atherosclerosis		박성하	연세대			
17:05-17:15	5. Proprotein Convertase Subtilisin/Kexin type 9 (PCSK9) inhibitors: From bench to Clinic		이찬주	연세대			
17:15-17:50	Special Lecture		Master of Ceremony: 안영근(전남대) Moderator: 권기환(이화여대), 임도선(고려대), 정옥진(가천대), 황진용(경상대)				
17:15-17:50	1. Perspective in Heart Failure Management - Do we need another paradigm shift?		오병희	서울대			
17:50-18:00	기초과학연구회 총회						
18:00-20:00	Poster Session with Dinner	구분	H1~12	E1~3, H13~20	A1~4, T1~6	R1~9, H21~23	T7~16
		심사위원	김나리(인제대)	김동현(성균관대)	배장환(충북대)	이민영(경북대)	김민철(전남대)
			박훈준(가톨릭대)	노재형(충남대)	임병관(중원대)	장은화(서울대)	오세경(가톨릭대)
			이상학(연세대)	이동준(부산대)	임현정(국립보건의료원)	허진(서울대)	최무림(서울대)
					조윤형(명지병원)		

Day 2 - 2018년 7월 21일(토)			부산 벡스코 제2전시장 3층 회의실	
Time	Title	Speaker		
08:30-09:20	Session A: Arrhythmia Organizer: 정보영(연세대)	Moderator: 권영근(연세대), 배장환(충북대)		
08:30-08:40	1. Sympathetic Inhibition and Inflammation	정보영	연세대	
08:40-08:50	2. Depolarization and repolarization abnormality of cardiomyocyte in J wave syndrome	윤남식	전남대	
08:50-09:00	3. Fibrosis as a mechanism of atrial fibrillation	최종일	고려대	
09:00-09:10	4. Modulation of TRPM4 channel by shear stress in atrial myocytes	우선희	충남대	
09:10-09:20	5. Arrhythmogenic Ca ²⁺ signaling and abnormal contractions in right ventricular myocytes from pulmonary hypertension rats	김성준	서울대	
09:20-10:10	Session R: Regeneration Organizer: 박훈준(가톨릭대)	Moderator: 양영(숙명여대), 한승환(가천대)		
09:20-09:30	1. Development of Clinically Applicable Endothelial Progenitor Cell Therapeutics for Treatment of Cardiovascular Diseases	권상모	부산대	
09:30-09:40	2. Development of purification technique for cardiomyocytes derived from human pluripotent stem cells	문성환	건국대	
09:40-09:50	3. Cardiac repair with extracellular nanovesicles derived from iron oxide nanoparticles-incorporated MSCs	김병수	서울대	
09:50-10:00	4. Engineering Human Tissues with 3D Bioprinting Technology	장진아	포항공대	
10:00-10:10	5. Dual stem cell therapy synergistically improves cardiac function and vascular regeneration following myocardial infarction	반기원	홍콩시립대	
10:10-11:00	Session T: Therapeutics Organizer: 조현재(서울대)	Moderator: 배장호(건양대), 최동훈(연세대)		
10:10-10:20	1. Regulation of angiogenesis and leukocyte adhesion of human endothelial cell by gradient nanopore substrate	홍순준	고려대	
10:20-10:30	2. Preconditioning with far-infrared irradiation enhances proliferation, cell survival, and migration of rat bone marrow-derived stem cells via CXCR4-ERK pathways	김원	경희대	
10:30-10:40	3. Novel anti-remodeling strategy after myocardial infarction to overcome current limitation	장기육	가톨릭대	
10:40-10:50	4. Transplantation of a 3D-Printed Tracheal Graft Combined with iPS Cell-Derived MSCs and Chondrocytes	권유욱	서울대	
10:50-11:00	5. IKKε controls cardiac inflammation	김용숙	전남대	
11:00-11:15	Award Ceremony & Closing			