

# 제 18차 한국조직공학 · 재생의학회 학술대회 프로그램

2017.05.26

Time	June 2 (Fri)		
	Hyoseok Hall (효석홀) / 2nd Fl	Kyung Hall I (경하홀 I) / 1st Fl	Room 201 / 2nd Fl
12:30 ~ 13:30	Registration (경하홀 로비) / Poster Session I (경하홀 I)		
13:30 ~ 13:35	Opening Remark (효석홀)		
13:35 ~ 14:15	<b>Plenary Lecture 1</b> (효석홀) Chair : 조인호(이화여대) <b>[PL-1]</b> RNA therapeutics and anabolic gene delivery for tissue regeneration <b>Yu-Chen Hu</b> (Nat'l Tsing Hua Univ., Taiwan)		
14:15 ~ 14:25	<b>JSRM MOU Signing Ceremony</b>		
14:25 ~ 14:40	Coffee Break & Poster Session I		
14:40 ~ 16:00	<b>S1 Advance in Regenerative Medicine 1</b> Chairs : 이일우(가톨릭대), 이수홍(차의과대)	<b>S2 Dental Tissue and Biomaterials</b> Chairs : 황순정(서울대), 한동근(KIST)	<b>S3 Students' Session</b> Chairs : 신흥수(한양대), 박윤신(충북대)
	<b>[KL-1]</b> 14:40 ~ 15:00 <b>Keynote</b> : Practical aspects associated with clinical translation in regenerative medicine <b>James J. Yoo</b> (Wake Forest Inst Regen Med, USA)	<b>[S2-1]</b> 14:40 ~ 15:00 Regeneration of tooth dentin and its application <b>박주철</b> (서울대)	<b>[S3-1]</b> 14:40 ~ 14:48 Novel spraying system based on sticky protein nanoparticles for localized anticancer drug delivery <b>정연수</b> (포스텍)
	<b>[S1-1]</b> 15:00 ~ 15:20 Morphogenic migration in tissue engineering <b>박용두</b> (고려대)	<b>[S2-2]</b> 15:00 ~ 15:20 Cell therapy in the field of oral and maxillofacial diseases <b>이부규</b> (울산대)	<b>[S3-2]</b> 14:48 ~ 14:56 Tissue adhesive, injectable and sprayable hydrogel via recombinant tyrosinase based crosslinking <b>김수환</b> (서울대)
	<b>[S1-2]</b> 15:20 ~ 15:40 Nature-inspired materials for stem cell and tissue engineering <b>조승우</b> (연세대)	<b>[S2-3]</b> 15:20 ~ 15:40 Engineered peptide-based biomaterials for tissue regeneration <b>박윤정</b> (서울대)	<b>[S3-3]</b> 14:56 ~ 15:04 Stimulating angiogenesis in ischemic tissue via solar cell <b>정근재</b> (서울대)
	<b>[S1-3]</b> 15:40 ~ 16:00 Xenotransplantation of pancreatic islet using chitosan-glycyrrhizin conjugate <b>이동윤</b> (한양대)	<b>[S2-4]</b> 15:40 ~ 16:00 Biomimetic nanofibrillar structures for biomedical applications <b>유혁상</b> (강원대)	<b>[S3-4]</b> 15:04 ~ 15:12 Cell micropatterning method using direct inkjet cell printing into liquid medium <b>박주안</b> (포스텍)
			<b>[S3-5]</b> 15:12 ~ 15:20 Stimuli-responsible degradable graphene quantum dots-based theranostic agents for breast cancer <b>이재서</b> (경희대)
		<b>[S3-6]</b> 15:20 ~ 15:28 Regulation of cell reprogramming by modulating cell and three-dimensional microenvironment Interaction <b>김덕일</b> (차의과대)	

			<p><b>[S3-7]</b> 15:28 ~ 15:36 Development of 3D cell printed patch-type stem cell therapy for treatment of liver cirrhosis <b>한원일</b>(포스텍)</p> <p><b>[S3-8]</b> 15:36 ~ 15:44 The combinational effects of chemical cue and substrates on directing esophageal epithelial differentiation <b>우안루</b>(인제대)</p> <p><b>[S3-9]</b> 15:44 ~ 15:52 Development of flexible PLGA filament for FDM based 3D bio-printing <b>한종혁</b>(UNIST)</p> <p><b>[S3-10]</b> 15:52 ~ 16:00 Fibrocartilage interface engineering on tendon allograft for enhancement of healing in an anterior cruciate ligament reconstruction model <b>박도영</b>(아주대)</p>
16:00 ~ 16:20	Coffee Break &		
16:20 ~ 18:00	<p><b>S4 Hydrogels for Tissue Engineering</b> Chairs : 김수현(KIST), 김천호(한국원자력의학원)</p> <p><b>[KL-2]</b> 16:20 ~ 16:40 <b>Keynote</b> : Injectable and mechanically resilient supramolecular biopolymeric hydrogels for in situ tissue regeneration <b>Liming Bian</b> (Chinese Univ Hong Kong, Hong Kong)</p> <p><b>[S4-1]</b> 16:40 ~ 17:00 Cell sheet engineering using cell-interactive and thermo-responsive hydrogels <b>신흥수</b>(한양대)</p> <p><b>[S4-2]</b> 17:00 ~ 17:20 Injectable hydrogel for tissue regeneration <b>김문석</b>(아주대)</p> <p><b>[S4-3]</b> 17:20 ~ 17:40 Growth factor immobilized gelatin based nanofiber <b>박한수</b>(중앙대)</p> <p><b>[S4-4]</b> 17:40 ~ 18:00 The effect of serum type on chondrogenic differentiation of adipose-derived stem cells <b>김교범</b>(인천대)</p>	<p><b>S5 Japanese Society for Regenerative Medicine</b> Chair : 최병현(인하대)</p> <p><b>[S5-1]</b> 16:20 ~ 16:40 <b>Kyosuke Mano</b>(JSRM, Japan)</p> <p><b>[S5-2]</b> 16:40 ~ 17:00 <b>Akihiro Umezawa</b>(JSRM, Japan)</p> <p><b>[Panel discussion]</b> 17:00 ~ 17:20 Kyosuke Mano /Akihiro Umezawa/ 박소라/ ?  (17:20 세션 종료)</p>	<p><b>S6 Drug and Gene Delivery</b> Chairs : 조종수(서울대), 임군일(동국대병원)</p> <p><b>[S6-1]</b> 16:20 ~ 16:40 Multi-modal tracers of nanopartocles for gene delivery <b>박근홍</b>(차의과대)</p> <p><b>[S6-2]</b> 16:40 ~ 17:00 Nitric oxide-generating amphiphiles for enhanced drug delivery <b>박재형</b>(성균관대)</p> <p><b>[S6-3]</b> 17:00 ~ 17:20 Intelligent fibrous scaffolds and viral gene delivery for regenerative medicine <b>장재형</b>(연세대)</p> <p><b>[S6-4]</b> 17:20 ~ 17:40 Nucleic acid nanotechnology for gene therapy <b>이혁진</b>(이화여대)</p> <p><b>[S6-5]</b> 17:40 ~ 18:00 Multilayer nano-films for controlled release of therapeutics <b>홍진기</b>(중앙대)</p>
18:10 ~	Welcome Reception (Kyungha Hall I + II)		

Time	June 3 (Sat)		
	Hyoseok Hall (효석홀) / 2nd Fl	Kyung Hall I (경하홀 I) / 1st Fl	Room 201 / 2nd Fl
08:00 ~ 09:00	Registration (경하홀 로비) / Poster Session II (경하홀 I)		
09:00 ~ 10:40	<b>S7 Cardiovascular System</b> Chairs : 정영미(KIST), 김상헌(KIST)	<b>S8 Biomedical Materials</b> Chairs : 이진호(한남대), 노인섭(서울과기대)	<b>S9 Smart Biomaterials</b> Chairs : 황석연(서울대), 김한수(이화여대)
	<b>[S7-1]</b> 09:00 ~ 09:20 Development of high performance combinational cell therapy platforms using 3D bio-printing technology for the treatment of myocardial infarction 박훈준(가톨릭대)	<b>[S8-1]</b> 09:00 ~ 09:20 Innovative biocompatible surgical glue based on mussel adhesive protein 차형준(포스텍)	<b>[S9-1]</b> 09:00 ~ 09:20 Copolymers improve therapeutic potential of adult stem cells 성학준(Vanderbilt Univ)
	<b>[S7-2]</b> 09:20 ~ 09:40 Stem cell-based cardiovascular repair 김재호(부산대)	<b>[S8-2]</b> 09:20 ~ 09:40 Effects of nanostructured surface on ECM-related gene expression of mesenchymal stem cell 김필남(KAIST)	<b>[S9-2]</b> 09:20 ~ 09:40 3D-culture of stem cells by using injectable thermogels 정병문(이화여대)
	<b>[S7-3]</b> 09:40 ~ 10:00 Stretchable ECM membrane for cardiac patch 박귀덕(KIST)	<b>[S8-3]</b> 09:40 ~ 10:00 Photoacoustic tomography for biomedical applications 오정환(부경대)	<b>[S9-3]</b> 09:40 ~ 10:00 Vapor phase-deposited functional polymer films for biomedical device applications 임성갑(KAIST)
	<b>[S7-4]</b> 10:00 ~ 10:20 A new functional cell surface marker for cardiac differentiation and heart development 조현재(서울대)	<b>[S8-4]</b> 10:00 ~ 10:20 Tumor environment responsive photosensitizer in photodynamic therapy 나 건(가톨릭대)	<b>[S9-4]</b> 10:00 ~ 10:20 Direct laser patterning to functionalize biomedical implants 전호정(KIST)
<b>[S7-5]</b> 10:20 ~ 10:40 Update: Therapeutic application of endothelial progenitor cells for ischemic cardiovascular diseases 권상모(부산대)	<b>[S8-5]</b> 10:20 ~ 10:40 Multi stimuli-regulated nano-micelles for tumor-targeted therapy 박인규(전남대)	<b>[S9-5]</b> 10:20 ~ 10:40 The study of transplantable and biodegradable nanostructured patches for tissue engineering 양희석(단국대)	
10:40 ~ 11:10	Coffee Break & Poster Session II		
11:10 ~ 11:50	<b>Plenary Lecture 2</b> (Hyoseok Hall) Chair : 임정옥(경북대) <b>[PL-2]</b> Vascular regeneration with stem cells and reprogrammed cells <b>Young-sup Yoon</b> (Emory Univ., USA)		
11:50 ~ 13:20	Lunch & Poster Session II Regular General Meeting (효석홀)		
13:20 ~ 14:40	<b>S10 Stem Cells</b> Chairs : 구승엽(서울대), 황동연(차의과대)	<b>S11 Otolaryngologic Tissues</b> Chairs : 이종원(가톨릭대), 정호윤(경북대)	<b>S12 Dental and Ophthalmic Tissue</b> Chairs : 황창모(울산대), 권일근(경희대)
	<b>[S10-1]</b> 13:20 ~ 13:40 Creaming off the therapeutic effects of mesenchymal stromal cells 김종훈(고려대)	<b>[S11-1]</b> 13:20 ~ 13:40 3D bioprinting for regenerative medicine in the field of otolaryngology -head and neck surgery 김성원(가톨릭대)	<b>[S12-1]</b> 13:20 ~ 13:40 Regenerative medicine in ophthalmic disease 김홍균(경북대)
			<b>[S12-2]</b> 13:40 ~ 14:00

	<p><b>[S10-2]</b> 13:40 ~ 14:00 Bioengineering approaches for Efficient Reprogramming 김종필(동국대)</p> <p><b>[S10-3]</b> 14:00 ~ 14:20 Tissue engineering using stem cell-derived exosomes 조용우(한양대)</p> <p><b>[S10-4]</b> 14:20 ~ 14:40 Isolation of human MSCs derived from human ESCs through cell-ECM 이수홍(차의과대)</p>	<p><b>[S11-2]</b> 13:40 ~ 14:00 Tissue engineering strategies for tracheal regeneration to fight against restenosis 권성근(서울대)</p> <p><b>[S11-3]</b> 14:00 ~ 14:20 Cell therapeutics for hypoparathyroidism 김한수(이화여대)</p> <p><b>[S11-4]</b> 14:20 ~ 14:40 Stem cell engineering and Its application for treatment of salivary hypofunction 임재열(연세대)</p>	<p>Application of periodontal ligament stem cells on the tooth saving 김창성(연세대)</p> <p><b>[S12-3]</b> 14:00 ~ 14:20 Bringing cell-based dental care for tooth generation 정한성(연세대)</p> <p><b>[S12-4]</b> 14:20 ~ 14:40 Dental application and development of bioprinting scaffold for bone regeneration 허중보(부산대)</p>
14:40 ~ 15:00	Coffee Break & Poster Session II		
15:00 ~ 16:20	<p><b>S13 Nerve</b> Chairs : 문석호(가톨릭대), 박상혁(부경대)</p> <p><b>[S13-1]</b> 15:00 ~ 15:20 Correction of hostile brain environment by co-grafting astrocytes improves cell therapeutic outcomes in a Parkinson's disease animal model 이상훈(한양대)</p> <p><b>[S13-2]</b> 15:20 ~ 15:40 Induction of neural regeneration from the damaged brain 조성래(연세대)</p> <p><b>[S13-3]</b> 15:40 ~ 16:00 New therapeutic breakthrough of stem cell therapy in neurological disorders 성정준(서울대)</p> <p><b>[S13-4]</b> 16:00 ~ 16:20 Stem cell secretome for neurodegenerative disease treatment 김한수(가톨릭 관동대)</p>	<p><b>S14 Enabling Technologies 1</b> Chairs : 오세행(단국대), 허찬영(서울대)</p> <p><b>[S14-1]</b> 15:00 ~ 15:20 Genome editing using CRISPR-Cas and -Cpf1 김형범(연세대)</p> <p><b>[S14-2]</b> 15:20 ~ 15:40 Anisotropically organized 3D culture platform for reconstruction of a hippocampal neural network 최낙원(KIST)</p> <p><b>[S14-3]</b> 15:40 ~ 16:00 Biomacromolecular cell surface engineering 황석연(서울대)</p> <p><b>[S14-4]</b> 16:00 ~ 16:20 3D printing for tissue engineering using silk fibroin 박찬흠(한림대)</p>	<p><b>S15 Bone and Cartilage</b> Chairs : 민병현(아주대), 김창성(연세대)</p> <p><b>[S15-1]</b> 15:00 ~ 15:20 New intra-articular therapeutics to treat osteoarthritis 임균일(동국대)</p> <p><b>[S15-2]</b> 15:20 ~ 15:40 Cartilage regeneration using umbilical cord blood derived MSCs: bench to bedside 하철원(성균관대)</p> <p><b>[S15-3]</b> 15:40 ~ 16:00 Multimodal repair for spinal cord injury: a novel polymer-scaffolded approach 한인보(차의과대)</p> <p><b>[S15-4]</b> 16:00 ~ 16:20 3D printing bone regeneration in plastic surgery 정호윤(경북대)</p>
16:20 ~ 16:40	Coffee Break & Poster Session II		
16:40 ~ 17:40	<p><b>S16 Advance in Regenerative Medicine 2</b> Chairs : 하철원(성균관대), 조승우(연세대)</p> <p><b>[S16-1]</b> 16:40 ~ 17:00 Tissue engineering strategy for the treatment of osteonecrosis of the femoral head 김신윤(경북대)</p> <p><b>[S16-2]</b> 17:00 ~ 17:20</p>	<p><b>S17 Young Investigators</b> Chairs : 박상준(한국원자력의학원), 박찬흠(한림대)</p> <p><b>[S17-1]</b> 16:40 ~ 17:00 Nanomaterial-based label-free characterizations of stem cell differentiation 김태형(중앙대)</p> <p><b>[S17-2]</b> 17:00 ~ 17:20</p>	<p><b>S18 Enabling Technologies 2</b> Chair : 권성근(서울대), 박수아(한국기계연구원)</p> <p><b>[S18-1]</b> 16:40 ~ 17:00 Bio-inspired hemostat : from basic research to commercialization 이문수(이노테라피)</p> <p><b>[S18-2]</b> 17:00 ~ 17:20</p>

	Plastic Surgery and Regenerative Medicine <b>허찬영</b> (서울대) <b>[S16-3]</b> 17:20 ~ 17:40 Mesenchymal stem cell therapy in intractable neonatal diseases <b>장윤실</b> (성균관대)	3D In vitro microfluidic platform to study human cancer cell metastasis <b>전성윤</b> (KAIST) <b>[S17-3]</b> 17:20 ~ 17:40 The role of nuclear lamina in nuclear mechanotransduction <b>김동휘</b> (고려대)	Electrochemical surface modification of bioelectrodes using hyaluronic acid derivatives to improve biocompatibility <b>이재영</b> (GIST) <b>[S18-3]</b> 17:20 ~ 17:40 Soft tissue regeneration with 3D printed elastic scaffolds <b>정영미</b> (KIST)
17:40 ~	Award Ceremony & Closing Remark (효석홀)		

▶ 본 프로그램은 학술대회 사정에 따라 변경될 수 있습니다.