

Oct. 18, 2018 (Thu.)				
Time	International conference room(400)	Auditorium(200)	Lecture room B230	Lecture room B217
08:30-09:30	Registration/Poster Installation			
09:30-10:00	Opening Ceremony			
10:00-10:40	Plenary Lecture 1 & 2 [PL-1] Bioengineered hydrogels for regenerative medicine		Chair : 김용희(한양대), 박기동(아주대)	
10:40-11:20	[PL-2] Emergence of supramolecular biomaterials using polyrotaxane frames		Andres J. Garcia (Georgia Institute of Technology, USA) Nobuhiko Yui (Tokyo Medical and Dental Univ., JAPAN)	
11:20-12:40	Company Session I Chair : 나건(가대), 정윤기(KIST)		Poster Presentation Session I	
	[CS-1] 11:20-11:35 Artificial grafts for soft tissue augmentation in implant dentistry 배진우(제노스) [CS-2] 11:35-11:50 Recent research trend of new material for cosmetics 이양희(에이치엔에이파라캠) [CS-3] 11:50-12:05 Reconstruction of human tissue model and its application to toxicity test 이수현(바이오솔루션)			
12:40-14:00	KSBM General Meeting(12:05~) and Lunch			
14:00-15:40	Session 1 : Recent advancements in Drug Delivery System Chair : 박한수(중앙대), 곽민석(부경대)	Session 2 : Korean-Chinese-Japanese Young Scientist Session Chair : 노인섭(서울과기대), 이용규(한국교통대)	Session 3 : WISET-KSBM Special Session Chair : 양성윤(충남대), 박수아(기계연구원)	
	[S1-KL-1] 14:00-14:20 Temporal targeting of tumor microenvironment using self-assembled localized hydrogels Avinash Bajaj (Indian Institute of Science, INDIA)	[YS1] Poly(phenylboronic acid): a building block of self-assembled nanoconstruct for biomedical application Junseok Lee (POSTECH, KOREA) [YS2] Design, synthesis and biomedical application of new molecular imaging probes Dan Ding (Nankai Univ., CHINA) [YS3] Fabrication of intracellular ATP-responsive polyion complex micelles for smart nucleotide therapeutics delivery Mitsuru Naito (The University of Tokyo, JAPAN)	[WISET-KSBM-OP-1] 14:00-14:08 Exosome-bioadhesives nanoaggregates for microRNA-based cancer diagnosis 장민정(KAIST)	
	[S1-KL-2] 14:20-14:40 Interventional image guided therapeutic delivery and multifunctional carriers 김동현(Northwestern Univ., USA)	[YS4] Multifaceted biomedical applications of functional graphene nanomaterials for skeletal muscle tissue regeneration Yong Cheol Shin (Pusan Nat'l Univ., KOREA) [YS5] Development of bacteria-responsive biodegradable polymers for the treatment of bacterial infectious disease Menghua Xiong (South China Univ. of Technology, CHINA)	[WISET-KSBM-OP-2] 14:08-14:16 Rapid formation of vascularized micro-tissue using co-culture spheroids 김은미(한양대)	
	[S1-IL-1] 14:40-15:00 Tumor microenvironment-responsive nanomedicine for cancer imaging and therapy 전상용(KAIST)	[YS6] Development of functional nanoparticles for the detection of bacteria Yuji Tsuchido (RIKEN, JAPAN) [YS7] 3D cell patterning of hydrogel for tissue engineering Jisoo Shin (Yonsei Univ., KOREA) [YS8] Tissue inducing bio-inks for 3D bio-printing Changshun Rua (Chinese Academy of Sciences, CHINA)	[WISET-KSBM-OP-3] 14:16-14:24 Age dependent attenuation of cellular mechanosensation 하정원(고려대)	
	[S1-IL-2] 15:00-15:20 Site-specific conjugation of albumin to protein drugs for long acting delivery (SCALADE) 권인찬(GIST)	[YS9] Large-scale preparation of hair follicle germs for hair regenerative medicine Tatsuto Kageyama (KISTEC, JAPAN) [YS10] Drug conjugated oxygen nanobubble for therapeutic application Jangsun Hwang (Chung-Ang Univ., KOREA)	[WISET-KSBM-IL-1] 14:25-14:45 Journey to discovery and development: History of peptide application 박윤정(서울대)	
[S1-IL-3] 15:20-15:40 L-DNA tetrahedron: A tumor-targeted drug delivery system 안대로(KIST)		[WISET-KSBM-IL-2] 14:45-15:00 Gendered innovations in biomedical materials research 양성윤(충남대)		
		[WISET-KSBM] 15:00-15:40 WISET-KSBM 생체재료 여성과학자 네트워크 "성공적 진료 탐색을 위한 신진-중견 Bridging Mentoring" 한국생체재료학회 여성위원회		
15:40-16:00	Coffee Break			
16:00-17:40	Session 4 : Innovative Stem Cell Research Chair : 권태균(경북의대), 김태형(중앙대)	Session 5 : KSBM Young Scientist Session Chair : 신홍수(한양대), 김교범(인천대)	Session 6 : Student Oral Competition I Chair : 김기수(부산대), 노혜란(서울과기대)	Session 7 : Performance Report of Korea Evaluation Institute of Industrial Technology (KEIT) Chair : 양대혁(가대), 고영주(삼양바이오팜)
	[S4-IL-1] 16:00-16:20 Mesenchymal stem cells for intervertebral disc repair 한인보(차의과학대)	[S5-IL-1] 16:00-16:20 Glowing sensors for continuous glucose monitoring 허윤정(경희대)	[SOC-1] Nanofilm coating on mesenchymal stem cell to maintain sustained effect of promoting chondrogenesis 한의영(연세대)	[S7-IL-1] 16:00-16:20 Development of patient specific crown and root analogue dental implant module 조윤호(덴티움)
	[S4-IL-2] 16:20-16:40 Small molecule-based lineage switch of human adipose-derived stem cells into neural stem cells and functional GABAergic neurons 장미숙(서울대 치대)	[S5-IL-2] 16:20-16:40 Image-guided local drug delivery with nanoparticles to modulate tumor microenvironment (TME) for tumor treatment 박우람(차의과학대)	[SOC-2] Effect of functional additives on mechanical properties and inflammation suppression in Poly(L-lactic acid) composites for biomedical applications 강은영(차의과학대)	[S7-IL-2] 16:20-16:40 Developing economical manufacturing techniques for aromatic polyketones and their reinforced composites (compressive strength > 180 MPa) for medical applications 김영준(성균관대)
	[S4-IL-3] 16:40-17:00 Selective elimination of culture-adapted human embryonic stem cells with BH3 mimetics 차혁진(서울대 약대)	[S5-IL-3] 16:40-17:00 Human BBB-on-a-chip for drug discovery 박태은(UNIST)	[SOC-3] Studies on cytotoxicity and <i>in vivo</i> biosafety of PEEK composite for spine cage 전준우(성균관대)	[S7-IL-3] 16:40-17:00 Development of high-strength/bio-resorbable polyglycolic acid-based block copolymers and their reinforced composite with a tensile strength of 120 MPa or higher for spinal fixation 장영욱(한양대)
	[S4-IL-4] 17:00-17:20 Real-time monitoring of glutathione in living cells reveals a requirement of its high levels for maintaining stem cell function 신동명(울산의대 서울아산병원)	[S5-IL-4] 17:00-17:20 Application of natural resource-derived biomaterials with nanotechnology and 3D printing techniques 선우훈(순천대)	[SOC-4] Water soluble ceria nanoparticle-embedded contact lens for the treatment of dry eye syndrome 최승우(성균관대)	[S7-IL-4] 17:00-17:20 Development of biological wound dressing materials using bioactive proteins derived from human adipose tissue 조용우(한양대)
[S4-IL-5] 17:20-17:40 The applications of kidney organoids derived from human iPSCs 김용균(가톨릭의대 서울성모병원)	[S5-IL-5] 17:20-17:40 DNA nanotechnology merged with semiconductor technology 송영준(인천대)	[SOC-5] Tumor targeting PLGA nanoparticles for chemotherapy 조휘문(한국원자력연구원)	[S7-IL-5] 17:20-17:40 Development of functionalized medical grade biodegradable polyester 고영주(삼양바이오팜)	
		[SOC-6] Rylene dyes encapsulated polymeric nanoparticles for cellular detection and imaging 강민경(부경대)	[S7-PO-1 ~ PO-15] Performance Report of Project for Technical Development of Material Parts	
		[SOC-7] 3D Human Blood-Brain Barrier <i>in vitro</i> model for testing BBB-opening agents 서수영(KIST)		
		[SOC-8] <i>In situ</i> hydrogelation in a deep tissue using alternating magnetic field and magnetic nanoparticles 이황재(광주과기원)		
		[SOC-9] Silicone implants capable of the local, controlled delivery of triamcinolone for the prevention of fibrosis with minimized drug side effects 신병호(서울대)		
		[SOC-10] Characteristics of human nasal septal cartilage-derived progenitors encapsulated in collagen as injectable therapeutic agent for cartilage defect repair 임미현(가톨릭대)		
		[SOC-11] Antitumor effects of intra-arterial delivery of ultrasound activated microbubble-doxorubicin loaded albumin nanoparticle for trans-arterial chemoembolization on VX2 rabbit liver tumors 김도연(서강대)		
17:40-20:00	Awarding Ceremony (Young Scientist Award) and Reception			

Oct. 19, 2018 (Fri.)			
Time	International conference room(400)	Auditorium(200)	Lecture room B230(100)
09:00-10:00	Registration/Poster Installation		
10:00-11:20	From Research to Commercialization		Chair : 허찬영(분당서울대병원), 박상준(한국원자력의학원)
	[IL-1] Clinical application of three-dimensionally printed biomaterial polycaprolactone(PCL) in augmentation rhinoplasty		박영진(박영진성형외과)
	[IL-2] Chinese cosmetics market present condition and prospect		이진형(제이준)
11:20-12:40	Company Session II Chair : 권오형(금오공대), 강한창(가대)	Poster Presentation Session II	
	[CS-4] 11:20-11:35 How far have regenerative medicine and 3D bioprinting technology come in clinical use? 이현주(로킷)		
	[CS-5] 11:35-11:50 Introduction on Collagen Solutions PLC 박창용(콜라겐솔루션즈)		
12:40-14:00	Lunch		
14:00-15:40	Session 8 : Progress in 3D printing & 3D Platforms for Tissue Engineering Chair : 윤희숙(재료연구소), 김성원(가톨릭의대)	Session 9 : Medical Cosmetic Research I Chair : 김진웅(한양대), 박지용(보라매병원)	Session 10 : Student Oral Competition II Chair : 박찬희(전북대), 박홍현(재료연구소)
	[S8-IL-1] 14:00-14:20 3D printing with medical imaging for clinical application 김남국(서울아산병원)	[S9-IL-1] 14:00-14:25 Recent trends in cosmetic dermatology 조소연(서울의대)	[SOC-12] ROS-induced cell sheet detachment and transfer based on photosensitive polymer film 구민아(연세대) [SOC-13] Inkjet-spray lamination printing for freeform fabrication of gelatine methacryloyl-based hydrogel structure 윤세정(POSTECH)
	[S8-IL-2] 14:20-14:40 Development of biomimetic Ex-vivo system and scaffolds of alveolar bone and meniscus cartilage 이승재(원광대)	[S9-IL-2] 14:25-14:50 Digital transformation in dermocosmetics 김현정(서울의료원)	[SOC-14] Microfluidics-assisted fabrication of macrophage microtissues with tunable physical properties for developing in vitro multiplex tissue model 이동진(UNIST) [SOC-15] Adhesive hemostatic patch using marine biomaterials 이재윤(POSTECH)
	[S8-IL-3] 14:40-15:00 Emerging platform technologies: 4D printing & cotton candy machine 성학준(연세대)	[S9-IL-3] 14:50-15:15 Postsurgical recovery & rejuvenation in plastic surgery 박재우(BIO 성형외과의원)	[SOC-16] Dual delivery of insulin-like growth factor and adipose-derived stem cells using coacervate-embedded interpenetrating composite hydrogels for cartilage repair 조혜란(인천대)
	[S8-IL-4] 15:00-15:20 Inkjet-based bioprinting and biomaterials 정성준(POSTECH)	[S9-IL-4] 15:15-15:40 Clinical importance and improvement direction of filler induced chronic complications 고익수(고익수성형외과)	[SOC-17] 3D printed microfibrillar PCL/bioceramics bundles with aligned topological cue for bone tissue regeneration 김주연(성균관대)
	[S8-IL-5] 15:20-15:40 Bioprinting for regenerative medicine 김성원(가톨릭의대)		[SOC-18] Antibody-targeted leukemia siRNA delivery for enhanced chemotherapy 윤석범(한양대) [SOC-19] High-throughput single-cell analysis on the mechanosensation of macrophage 김정기(고려대) [SOC-20] Therapeutic efficacy-potentiated and diseased organ-targeting nanovesicles derived from mesenchymal stem cells for spinal cord injury treatment 김한영(서울대) [SOC-21] Stimulating angiogenesis in ischemic tissue via solar cell 정근재(서울삼성병원)
15:40-16:00	Coffee Break		
16:00-17:40	Session 11 : Biomaterials-based Fusion Technology Chair : 손세일(차의과학대), 정봉근(서강대)	Session 12 : Medical Cosmetic Research II Chair : 나재운(순천대), 한세광(POSTECH)	Session 13 : Application of Biomaterials for Medical Device and Hard Tissue Chair : 이수홍(동국대), 이재훈(연세대)
	[S11-IL-1] 16:00-16:20 Conductive elastomeric nanocomposite for electromechanical cardioplasty 김대형(서울대)	[S12-IL-1] 16:00-16:20 Formulation technologies in cosmetics for improved topical application of active ingredients 김용진(아모레퍼시픽)	[S13-IL-1] 16:00-16:20 Bioactive nanoparticles for dental application 이정환(단국대)
	[S11-IL-2] 16:20-16:40 Nanoelectronics mediated in vivo reprogramming for neurodegenerative diseases 김종필(동국대)	[S12-IL-2] 16:20-16:40 Ceramide-based biocompatible skin vesicles 이준배(코스맥스)	[S13-IL-2] 16:20-16:40 Regeneration of peri-implant tissue by using osteoinductive materials 차재국(경희대)
	[S11-IL-3] 16:40-17:00 Enhancing cancer immunotherapy using biomaterials 박천권(성균관대)	[S12-IL-3] 16:40-17:00 Study on development of depigmentary compounds based on in vitro experiment 이창석(울지대)	[S13-IL-3] 16:40-17:00 Additive polymer manufacturing in dentistry; application, advantage, and variables affecting products 류재준(고려대)
	[S11-IL-4] 17:00-17:20 Touchable bio-sensitive nanotopological materials for molecular diagnosis 이석재(나노종합기술원)	[S12-IL-4] 17:00-17:20 Crystallization and crosslinking of natural polymers: Their application to cosmetics 조은철(한양대)	[S13-IL-4] 17:00-17:20 Identification of compound D in <i>Lentinula edodes</i> as a novel osteoclast inhibitor 김경환(충북의대)
	[S11-IL-5] 17:20-17:40 An engineered human Fc-mannose-binding-lectin for diagnostic and therapeutic applications 강주현(UNIST)	[S12-IL-5] 17:20-17:40 Encapsulation of fragrance in polymeric microcapsules via droplet-based microfluidics 이효민(POSTECH)	[S13-IL-5] 17:20-17:40 CPNE7, A new protein for tubular dentin regeneration 박주철(서울대)
17:40-18:00	Awarding Ceremony (Student Oral Competition Award & Poster Presentation Session Award) and Closing Remark		