

# [KTEMRS 2017] Poster Session 1

June 2 (Fri)

**포스터 규격**

크기 규격 : A0 size, 세로 방향  
(폭 : 84.1cm / 33.1 인치, 길이 : 118.9cm / 46.8 인치)

포스터 설치 : 6/2(금) 11:30 ~ 12:30

포스터 철거 : 6/2(금) 16:00 ~ 16:10 (\*만찬 준비에 따라 철거 시간을 꼭 염수해 주시기 바랍니다)

포스터 세션 장소 : 경북대학교 글로벌플라자(행사장) 1층 경하홀 1

No	ID	Title	Presenter	
			Name	Affiliation
[P1-1]	vanilla0087@naver.com	Efficient scalable production of therapeutic microvesicles derived from human mesenchymal stem cells	Shin Eun Kyoung	Samsung Seoul Hospital
[P1-2]	sanghyugpark@gmail.com	Targeted nanosomes for noninvasive diagnosis of early osteoarthritis (OA) in destabilization of the medial meniscus (DMM) mouse model	Sang Hyug Park	Pukyong National University
[P1-3]	r1atpwhdc@nate.com	Comparison of human serum with fetal bovine serum for proliferation and differentiation of human adipose-derived stem cells	Kim Sejong	Inha University College of Medicine
[P1-4]	shinsc0810@gmail.com	Evaluation of decellularized xenogenic porcine auricular cartilage as a novel biocompatible filler	Sung-Chan Shin	Pusan National University School of Medicine, Pusan National University Hospital
[P1-5]	shinsc0810@gmail.com	Regenerative potential of tonsil mesenchymal stem cells on surgical cutaneous defect	Sung-Chan Shin	Pusan National University School of Medicine, Pusan National University Hospital
[P1-6]	sysong@snu.ac.kr	Generation of integration-free human induced pluripotent stem cell via graphene oxide - poly(ethyleneimine) complex-based mRNA delivery	Seuk-Young Song	Seoul National University
[P1-7]	dusdnd@snu.ac.kr	Topographically defined implant for enhanced bone repair	Yeonung Choo	Seoul National University
[P1-8]	hy0408@kaist.ac.kr	Topography-guided control of cancer cell migratory behaviors	Han Young Kim	Seoul National University
[P1-9]	ieebun@snu.ac.kr	Therapeutic angiogenesis using tumor cell-conditioned medium	MIKYUNG KANG	Seoul National University
[P1-10]	jintheanswer@gmail.com	Zinc oxide nanorod-based piezoelectric skin patch for skin cell modulation and skin tissue regeneration	Jin Han	Seoul National University
[P1-11]	ljr0518@snu.ac.kr	A solar cell patch for angiogenic wound healing	Ju-Ro Lee	Seoul National University
[P1-12]	norja0208@snu.ac.kr	Photothermal cancer therapy using mesenchymal stem cells attaching gold nanoparticle/graphene oxide hybrid sheets	Seokyoung Kang	Seoul National University
[P1-13]	pinkishsalt@gmail.com	3D coculture platform using biodegradable, nanothin, highly porous membranes for stem cell differentiation and implantation	Seungmi Ryu	Seoul National University
[P1-14]	skccdr@snu.ac.kr	Graphene oxide functionalized hydrogels for osteogenic differentiation of human adipose-derived stem cells	Sung Pil Kwon	Seoul National University
[P1-15]	yoonjk87@gmail.com	Cardiomyogenic differentiation of mesenchymal stem cells by pulsatile mechanoelectric cues using stretchable piezoelectric substrate	Jeong-Kee Yoon	Seoul National University
[P1-16]	suntae93@unist.ac.kr	Comprehensive examination of mechanical and diffusional effects on cell behavior using a decoupled 3D hydrogel system	Suntae KIM	UNIST
[P1-17]	imbue12@hanmail.net	Decellularized periodontal ligament fibers play a critical role on the periodontal regeneration in a transplantation model in a dog	seul ki kim	College of Dentistry, Yonsei University
[P1-18]	anily@naver.com	Synthesis gelatin based bio-inks with fast gelling by grafting different amounts of tyramine	JISEON KIM	Ulsan University
[P1-19]	bobo0616@empal.com	Effect of rock inhibitor and mesenchymal stem cell-derived conditioned medium on rabbit corneal endothelial cells	Bo Young Jung	Ulsan University
[P1-20]	parkhoobeen1007@gmail.com	Comparison of two different perfusion types for reasonable microstructure preservation in porcine lung decellularization	HUBIN PIAO	Asan Medical Center
[P1-21]	skyciel7@gmail.com	PLGA-based human conjunctival epithelial sheet for corneal regeneration	Soyoung Hong	Asan Medical Center
[P1-22]	kooth1049@naver.com	Soft and hard tissue regeneration of the alveolar bone in a human alveolar bone defect model	Tae-Hwan Koo	College of Dentistry, Yonsei University
[P1-23]	sunnyflow@naver.com	Dynamic healing consequences of alveolar bone defect in a dog model	Sun-Ho Choe	College of Dentistry, Yonsei University
[P1-24]	sean2100@hanmail.net	Browning of adipose tissue by osteopontin treatment in 3T3-L1 cells	Jeongkun Lee	Yonsei University
[P1-25]	sean2100@hanmail.net	Melatonin induces brown adipogenesis in 3T3-L1 cells	Jeongkun Lee	Yonsei University
[P1-26]	kra200@nate.com	Gelatin hydrogel optimized for three-dimensional printing in tissue engineering	Dong Jin Choi	Korea Institute of Radiological and Medical Sciences
[P1-27]	leees1215@gmail.com	Manufacture and evaluation of chitosan based nano-carriers for doxorubicin delivery	eunsun lee	Korea Institute of Radiological and Medical Sciences
[P1-28]	saulut@naver.com	Improvement of cell affinity on three-dimensional printed gelatin scaffold	YoungJae Koh	Korea Institute of Radiological and Medical Sciences
[P1-29]	yunah.kim@kist.re.kr	Fabrication of fibroblast-derived matrix grafted anti-inflammation PLGA scaffolds for regeneration of kidney tissue	Yunah Kim	KIST
[P1-30]	jiwonparadise@hanmail.net	Nanotopography enhances cell migration through the regulation of focal adhesion kinase	Jiwon Lim	POSTECH
[P1-31]	santiagom@naver.com	Colorimetric contact lens sensor containing cerium oxide nanoparticles for detecting glucose levels in tear	Sijin Park	Hanyang University
[P1-32]	juyoung1489@postech.ac.kr	3D cell printing of airway-on-a-chip	Ju Young Park	POSTECH
[P1-33]	mjahn@postech.ac.kr	Rotational printing system-based fabrication strategy for 3D cellular tracheal analogue	Minjun Ahn	POSTECH
[P1-34]	romanavet@hanmail.net	Printed membrane patch to prevent absorption of hydrogel structure in vivo transplantation	Jae Yeon Lee	POSTECH
[P1-35]	nanohan@pusan.ac.kr	Graphene oxide-coated polyurethane foams for skeletal muscle tissue engineering	YONG CHEOL SHIN	Pusan National University
[P1-36]	epark@knu.ac.kr	Prevention of ligature-mediated alveolar bone loss and osteoclast differentiation by a novel pyrimidine compound OCU-023	Hye Jung Ihn	IHBR, Kyungpook National University
[P1-37]	epark@knu.ac.kr	Magnesium phosphate ceramics incorporated with a novel indene compound promotes osteoblast differentiation in vitro and bone regeneration in vivo	Ju Ang Kim	Kyungpook National University School of Dentistry
[P1-38]	voicchung@snu.ac.kr	Non-oral nutrition model in rat: comparison study for different gastrostomy technique	Eun-Jae Chung	Seoul National University Hospital
[P1-39]	fullest74@hanmail.net	The investigation of anion emitting cosmetic textile effect on the improvement of blood circulation in rat model	EunJung Oh	Kyungpook National University
[P1-40]	fullest74@hanmail.net	Human bone marrow stem cells direct seeding in three-dimensional printing scaffolds for bone regeneration in a critical-sized calvarial defect model	EunJung Oh	Kyungpook National University
[P1-41]	park.gayoung@knu.ac.kr	Non-woven composite biomaterials for drug delivery and tissue engineering	Ga Young Park	Kyungpook National University
[P1-42]	jeongsy@dongguk.edu	Construction of dexamethasone-conjugated peptide complexes with polycistronic SOX6, SOX9 and shANGPTL4 genes for the treatment of osteoarthritis	Se-Young Jeong	Dongguk University Ilsan Hospital
[P1-43]	jeongsy@dongguk.edu	Notch1-antagonistic aptamer-mediated for chondrogenic differentiation of bone marrow stromal cells.	seyoung jeong	Dongguk University Ilsan Hospital
[P1-44]	jimin15@dongguk.edu	Maintaining of induced pluripotent stem cells through culture on nanopattern polydimethylsiloxane membrane	Seonyoung Bak	Dongguk University Ilsan Hospital
[P1-45]	jimin15@dongguk.edu	Development of gene-cell therapeutics with SOX-6, 9 transfected adipose-derived stem cell in OA model	Seonyoung Bak	Dongguk University Ilsan Hospital
[P1-46]	gshong0625@naver.com	Physical characterization and biocompatibility evaluation of hyaluronic acid-dextran hybrid hydrogel patch for wound healing	Gyeongsik Hong	Medical R&D center, Sambo Co. Ltd
[P1-47]	gkgkgk9402@hanmail.net	Development of artificial auricular prosthesis: 3D printed polyurethane scaffold	Ha Yeong Kim	Ewha Womans University
[P1-48]	changji7@naver.com	Enhanced bone differentiation by trypsin free cell stamping system using electrospun gelatin nanofibers	Jihyun Chang	Chung-Ang University
[P1-49]	n.udomluck@gmail.com	Multiple growth factors immobilized in mineralized electrospun gelatin nanofibers for bone tissue regeneration	Nopphadol Udomluck	Chung-Ang University
[P1-50]	sureeratkhunmanee@gmail.com	Injectable hyaluronic acid hydrogels incorporating gelatin nanoparticles as cells carriers for cartilage tissue engineering	Sureerat Khunmanee	Chung-Ang University
[P1-51]	mslee0318@gmail.com	Guided bone regeneration using biodegradable and transplantable nanopatterned poly (lactide-co-glycolic acid) patch	Min Suk Lee	Dankook University
[P1-52]	leodenter@hanyang.ac.kr	Fabrication of human stem cell spheroids using micropatterned thermally expandable hydrogels	Ha Yeon Byun	Hanyang University
[P1-53]	camellia7@postech.ac.kr	Biomaterials-based hydrogel as a novel 3D printing bioink	Geunho Choi	POSTECH
[P1-54]	hcheong2@postech.ac.kr	Exploring nerve tissue regeneration capacity of mussel adhesive protein-based aligned nanofiber scaffold	Hogyun Cheong	POSTECH
[P1-55]	jinyoung1421@postech.ac.kr	Electrospun scaffold in bone regeneration by using chimeric protein of silaffin-mussel adhesive protein	Jinyoung Yun	POSTECH
[P1-56]	pty3968@postech.ac.kr	Bio-inspired coacervated bioadhesive as a stem cell delivery platform	Tae Yoon Park	POSTECH
[P1-57]	kimhs5774@naver.com	Milk protein-shelled gold nanoparticle with gastrointestinally active absorption for targeted photothermal therapy of brain cancer	Hyung Shik Kim	Hanyang University

[P1-58]	gustjs0419@postech.ac.kr	Bioengineered mussel adhesive protein as an osteostimulating bioadhesive for titanium implant applications	Hyunsun Choi	POSTECH
[P1-59]	sarang7939@naver.com	In vivo test using bioluminescence and fluorescence imaging systems	HyunMi Kim	Kyungpook National University
[P1-60]	wajeong@unist.ac.kr	Decellularized extracellular matrix based bio-ink having an enhanced 3D printability	Wonwoo Jeong	UNIST
[P1-61]	jsk1707@unist.ac.kr	Bioprinted $\beta$ -cell sheet for islet transplantation	Seunggyu Jeon	UNIST
[P1-62]	mgm4336@unist.ac.kr	3D vascular networks produced by geometrical regulation of angiogenesis	Junghyun Son	UNIST
[P1-63]	donghyun@khu.ac.kr	PLGA nanofibrous membrane coated with gold-nanoparticles for osteogenesis	Donghyun Lee	Kyung Hee University
[P1-64]	leesangjin@khu.ac.kr	Silver nanoparticle incorporated orthodontic dental resin for potent antibacterial activity	Sang Jin Lee	Kyung Hee University
[P1-65]	yhyoun@snu.ac.kr	Osteoinductive agent coating on titanium surface via initiated chemical vapor deposition system for bone tissue engineering	Yun Hee Youn	Seoul National University
[P1-66]	ylsje@khu.ac.kr	Cell-laden gelatin/ $\beta$ -tricalcium phosphate photocurable hydrogel scaffold for bone regeneration	Si Eun Lee	Biotem Corporation
[P1-67]	gkgkgk9402@hanmail.net	Far-infrared irradiation negatively regulates the adipogenic differentiation of tonsil-derived mesenchymal stem cells via activation of calcineurin	Ha Yeong Kim	Ewha Womans University
[P1-68]	ynlee426@naver.com	3-dimensional spheroid formation enhances differentiation efficiency and survival of insulin producing cells for treatment of diabetes	Yuna Lee	Seoul Asan Medical Center
[P1-69]	dam0328@snu.ac.kr	Bone healing capacity of conditioned media derived from three dimensionally cultivated human mesenchymal stromal cells with electrical stimulation	TaeHyung Cho	Seoul National University
[P1-70]	ch70005@naver.com	In vitro biomimetic co-culture system to study effects of microencapsulated human mesenchymal stem cells on cardiomyocytes under oxidative stress conditions	Goeun Choe	Gwangju Institute of Science and Technology (GIST)
[P1-71]	alley0929@naver.com	Irradiation-induced salivary hypofunction is prevented by hypoxia-conditioned adipose mesenchymal stem cells via p53 regulation by FGF10 through the PI3K-Akt pathway	Hyun-Soo Shin	Yonsei University
[P1-72]	mwlee8211@gmail.com	Integrin screening of mouse embryonic stem cells for establishing artificial non-cellular niche.	Myungook Lee	Seoul National University
[P1-73]	jolim@knu.ac.kr	Preparation and evaluation of oxygen releasing hybrid scaffold for improving wound healing	Jeong Ok Lim	Kyungpook National University
[P1-74]	dark_nebula@naver.com	Effect of human periodontal ligament stem cells transplantation on periodontal regeneration in a rat with ligature-induced periodontitis	Min-Guk Kim	Chonbuk National University Hospital
[P1-75]	wndgus78@hotmail.com	Effect of bilayered patterned human periodontal ligament stem cell sheet fabricated through thermos-responsive nanopatterned substratum	Joong-Hyun Kim	Chonbuk National University
[P1-76]	exactly@nate.com	Effect of dual growth factor incorporated HP/GTP hydrogel on recovery of erectile function in a rat model of cavernous nerve injury	Ae Ryang Jung	The Catholic University of Korea
[P1-77]	proplay@nate.com	In vitro osteogenic differentiation of bone marrow stem cells on pDNA complex-loaded PCL/HA microspheres	Tae Ho Kim	Hannam University
[P1-78]	tjdeh422@naver.com	Injectable PCL microspheres/plasimid DNA-loaded hydrogel system for effective treatment of vocal fold paralysis	Sae Hyun Kim	Hannam University
[P1-79]	jywon@tnrbiofab.com	Development of porcine derived skin decellularized extracellular matrix as a bio-ink in 3D bioprinting system	Joo Yun Won	T&R Biofab
[P1-80]	leeingyu7178@naver.com	Characterization and analysis of bone derived decellularized extracellular matrix (bone dECM)-based hydrogel	Ingyu Lee	Korea Polytechnic University
[P1-81]	dling8761@naver.com	Comparative efficacies of collagen-based 3D printed PCL/PLGA/ $\beta$ -TCP composite block bone grafts and biphasic calcium phosphate bone substitute for bone regeneration	Jin-Ju Lee	Pusan National University
[P1-82]	jyhwang@korea.ac.kr	Tissue engineering of mesenchymal stem cells for organ function regeneration	Ji-Young Hwang	Korea University
[P1-83]	jykim@andong.ac.kr	Fabrication of 3D BCP scaffold reinforced with zirconia using solid freeform fabrication technology	Min-Woo Sa	Andong National University
[P1-84]	jhkwon929@gmail.com	Direct conversion of fibroblasts into osteoblasts using the BMP-4 dependent EMT pathway	Jung Hoo Kwon	Seoul National University
[P1-85]	0228dmqls@hanmail.net	Effects of BMP-2 delivery in calcium phosphate bone graft materials with different compositions on bone regeneration	Eub-Bin Bae	Pusan National University
[P1-86]	alswn2304@gmail.com	Anti-inflammatory effects of plant-derived reagents associated with dental implant surgery	Min Ju Kim	Inje University
[P1-87]	kjieun1416@gmail.com	The effect of electrospinning time and number of layers of nanofiber on cell	Ji Eun Kim	Inje University
[P1-88]	lej583@gmail.com	The effect of substrate stiffness on differentiation of mesenchymal stem cells into endothelial cells	Eunjin Lee	Inje University
[P1-89]	wyrsmail@gmail.com	Effects of drug loaded microparticles on inflammation - a preliminary study for developing of new wound dressing	Yanru Wu	Inje University
[P1-90]	mijinn912@gmail.com	Osteogenic evaluation of polycaprolactone based mesoporous magnesium silicate scaffolds containing different amounts of wheat protein	Mijin Kim	Inje University
[P1-91]	cmyang88@snu.ac.kr	Promotion of angiogenesis by nitric oxide(NO)-releasing mPEG-PLGA nanoparticles	chungmo yang	Seoul National University
[P1-92]	dseo0601@snu.ac.kr	Determination of platelet functional state by polydiacetylene based biosensor	Deokwon Seo	Seoul National University
[P1-93]	hyerimkim@snu.ac.kr	Multi-functional hydrogel based 3D co-culture system for enhancing osteogenesis by paracrine effect	Hyerim Kim	Seoul National University
[P1-94]	yoong5028@gmail.com	Hybrid metal-enhanced fluorescence (MEF) nanoparticles based targeted nucleus division imaging	Yoon Jeong	Seoul National University
[P1-95]	le1310@naver.com	Improvement of islet function and survival by integration of perfluorodecalin into microcapsules in vivo and in vitro	Sang-Ho Lee	The Catholic University of Korea
[P1-96]	jhlee701@kist.re.kr	Biocomposite polymer mesh scaffold via human lung fibroblast-derived ECM and inorganic mineral for bone regeneration	Jong Ho Lee	KIST
[P1-97]	yknoh@kist.re.kr	Bacterial cellulose-collagen composite scaffold with mesenchymal stem cell for bone tissue engineering	Yong Kwan Noh	KIST
[P1-98]	minryeom@gmail.com	Regeneration of irradiation-damaged salivary gland by mesenchymal stem cells in hyaluronan gel	EOM MINRYE	Seoul National University Hospital

포스터 규격  
크기 권장 : A0 size, 세로 방향  
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포스터 설치 : 6/3(토) 08:00 ~ 09:00  
포스터 철거 : 6/3(토) 18:00 ~ 18:40  
포스터 세션 장소 : 경북대학교 글로벌라자(행사장) 1층 경하홀 1

No	ID	Title	Presenter	
			Name	Affiliation
[P2-1]	kwondk@knu.ac.kr	The effect of sequential or co- treatment with AMD3100 and BMP-2 on bone formation in calvarial defect	LEE JUNG-TAE	Kyungpook National University
[P2-2]	mno9211@snu.ac.kr	Hydrogel based cardiac patch for heart regeneration	Miyeon Noh	Seoul National University
[P2-3]	faithpjy@naver.com	Preparation of cross-linked cartilage acellular matrix film using PCLG cross-linker with controllable biodegradation period and possibility test as anti-adhesion film	Joonyeong Park	Ajou University
[P2-4]	kmg@ajou.ac.kr	In vivo osteogenic differentiation of human turbinate mesenchymal stem cells in an injectable hydrogel	Malgeum Kim	Ajou University
[P2-5]	leeyn3679@ajou.ac.kr	Preparation of crosslinkable ionic functionalized polyester copolymers by electrostatic interaction	Hye Yun Lee	Ajou University
[P2-6]	dwlswlsdndn@ajou.ac.kr	Preparation and characterization of dexamethasone-loaded PCLA nanofiber sheets by electrospinning for controlled release	Jinwoo Lee	Ajou University
[P2-7]	heojy@ajou.ac.kr	Dexamethasone-loaded microsphere and hydrogel composite for sustained drug release	Jiyeon Heo	Ajou University
[P2-8]	sunrok4008@gist.ac.kr	Polyvinyl alcohol based hydrogel nanofibers for cell culture platform under controllable degree of crosslinking	Sungrok Wang	Gwangju Institute of Science and Technology (GIST)
[P2-9]	lsean@snu.ac.kr	Tyrosinase-mediated tyr-hyaluronic acid/gelatin composite hydrogel for meniscus tissue engineering	Seunghun Lee	Seoul National University
[P2-10]	mic1031@naver.com	Injectable gelatin/heparin-based macroporous cryogel loaded with vegf for ischemic disease treatment	Inseon Kim	Seoul National University
[P2-11]	gkpark@mgh.harvard.edu	Structure-inherent NIR imaging of brown adipose tissue	Kate Park	Seoul National University
[P2-12]	juhmin@snu.ac.kr	Immune modulating, tissue adhesive and injectable hydrogel for mouse traumatic brain injury (TBI) model	Kyung min Kim	Seoul National University
[P2-13]	rs5736@naver.com	Study on enzyme-mediated injectable CMC/pullulan hydrogels for anti-adhesion barriers	Suran Kim	Kumoh National Institute of Technology
[P2-14]	rs5736@naver.com	Study on injectable alginate hydrogels synthesized by enzymatic catalytic reaction for wound healing materials	Suran Kim	Kumoh National Institute of Technology
[P2-15]	tnguswjs@naver.com	Development of antibacterial PU foam dressing containing activated carbon with silver nanoparticles for effective wound healing	Soocheon Jeon	Kumoh National Institute of Technology
[P2-16]	dahyun6682@hanmail.net	Anti-inflammatory effects of NIPEP-1 peptide on RAW 264.7 cells via the inhibition of NF-kB and iNOS signaling pathway	Choi Dahyeon	Chungbuk National University
[P2-17]	dtree37@naver.com	Optimization for the practical use of angioclusterTM on therapeutic angiogenesis in hind limb ischemia	Dokyun Kim	KIST
[P2-18]	ahbosl0820@naver.com	In vitro characterization of dual growth factors-loaded cosmetic filler	boseul An	Dankook University
[P2-19]	1816minji@naver.com	Sustained release of BMP-2 from porous membrane with leaf-stacked structure	Min Ji Kim	Dankook University
[P2-20]	ku5098@naver.com	Long-term delivery of BMP-2 using porous beads with leaf-stacked structure for effective bone reconstruction	Ho Yong Kim	Dankook University
[P2-21]	ku5098@naver.com	Porous beads with biomimetic release behavior of growth factors for enhanced bone regeneration	Ho Yong Kim	Dankook University
[P2-22]	sy0117sy@naver.com	Smart oxygen delivery for prolonged cell survival in hypoxia and new bone formation	So Yeong Kim	Dankook University
[P2-23]	sangjee@bu.edu	Three dimensionally cultured human mesenchymal stem cell (MSC) sheet accelerates ulcer healing via enhanced secretion of factors related to angiogenesis, anti-inflammation, and anti-oxidation	Jennifer Lee	Seoul National University Hospital
[P2-24]	yghorse@naver.com	iPS-derived chondrocyte and epithelial cell-laden 3D printing scaffold for tracheal reconstruction	YoungHwan Choi	Seoul National University Hospital
[P2-25]	shjeon417@gmail.com	Incorporation of natural ceramic in PLA for development of bioactive interference screw	Sukhyon Jeon	Chonnam National University
[P2-26]	rhktdlr0327@nate.com	Application of transparent collagen film in ex vivo corneal alkali burn model	Kwangsik Jang	Chonnam National University
[P2-27]	chyun@pukyong.ac.kr	Simulation and measurement of ultrasonic surface wave propagation for nondestructive assessment of tissue engineered construction	Chulhee Yun	Pukyong National University
[P2-28]	myounghwankimm@gmail.com	Characteristic analysis of 3D-printed polycaprolactone/nano-hydroxyapatite (PCL/nHA) composites scaffolds	Myoung Hwan Kim	Pukyong National University
[P2-29]	ky.seong0124@gmail.com	Swellable microneedle patch for enhanced adhesion and controlled transdermal delivery of insulin	Keum-Yong Seong	Pusan National University
[P2-30]	chloe0914@naver.com	Chemically modified substance P promotes therapeutic angiogenesis in diabetic peripheral arterial disease	Eun Je Jeon	Yonsei University
[P2-31]	chloe0914@naver.com	Development of novel hyaluronic acid hydrogel particles for drug delivery for the treatment of peripheral arterial disease	Eun Je Jeon	Yonsei University
[P2-32]	ji_soo_@naver.com	Wrinkled surface-based reverse transfection system for efficient small interfering RNA delivery	Jisoo Shin	Yonsei University
[P2-33]	ji_soo_@naver.com	Hyaluronic acid hydrogel decorated with electroconductive nanomaterials for enhanced neuronal differentiation of human neural stem cells	Jisoo Shin	Yonsei University
[P2-34]	mitsipontifex@gmail.com	Combination of osteoinductive nanofibrous polymeric scaffolds and endogenous stem cell mobilizer for in situ bone tissue engineering	Jong Seung Lee	Yonsei University
[P2-35]	mitsipontifex@gmail.com	Combination of hydroxyapatite-functionalized electrospun silk fibroin scaffolds and genetically-engineered stem cells promotes bone reconstruction	Jong Seung Lee	Yonsei University
[P2-36]	sjmin00427@gmail.com	Plant flavonoid-mediated multi-functional surface modification for improved bone regeneration	Jong Seung Lee	Yonsei University
[P2-37]	sjmin00427@gmail.com	Non-viral delivery of toxin genes for cancer treatment	Sungjin Min	Yonsei University
[P2-38]	yoonykim@snu.ac.kr	Effects of ovarian steroids on the functionalization of in vitro cultured endometrial stromal cells	Yoon Young Kim	Seoul National University Hospital
[P2-39]	sbaek@knu.ac.kr	Genome-wide association scans for idiopathic osteonecrosis of the femoral head in a Korean population	Dong Hyun Kim	Kyungpook National University Hospital
[P2-40]	yoosy2@gmail.com	Engineered phage based matrix stiffness modulating osteogenic differentiation	Jeong-In Kang	Pusan National University
[P2-41]	yoosy2@gmail.com	Engineered phage matrices facilitating angiogenic differentiation	Kshitiz Raj Shrestha	Pusan National University
[P2-42]	amgine13@hotmail.com	Limbic epithelial stem cell graft generation on human amniotic membrane slide scaffold	Sojung Shin	The Catholic University of Korea
[P2-43]	ljljaeseo@korea.ac.kr	Vascularization of EC co-cultured micro liver tissue and comparison of hepatic function with mono-cultured hepatic spheroid	JaeSeo Lee	KIST
[P2-44]	mytruly513@naver.com	Brain decellularized ECM(BdECM)-derived nerve guidance conduits	Yoojin Seo	KIST
[P2-45]	abacerobello@gmail.com	Effect of embryonic body (EB) size on lineage-specific and hematopoietic differentiation of human embryonic stem cells	Alvin Bello	Chung-Ang University
[P2-46]	nightsky9836@naver.com	The down regulated sprouty4 enhances osteogenic differentiation of human adipose-derived stem cells	sunghyun park	CHA University
[P2-47]	manjunatha.muttigi@gmail.com	Matrillin-3 modulates TGF-β and BMP signaling during thyroid hormone induced hypertrophy of adipose derived mesenchymal stem cells	Manjunatha Muttigi	Chung-Ang University
[P2-48]	yein26@naver.com	Three-dimensional microenvironment promotes gene transduction through cell cycle regulation	Ye in LEE	CHA university
[P2-49]	yejuseong@snu.ac.kr	Effect of estrogen deficiency on loaded and non-loaded area of temporomandibular or knee joint	Yeju Seong	Seoul National University
[P2-50]	yejuseong@snu.ac.kr	Effects of 17β-estradiol and mechanical overloading on osteoarthritis of rat temporomandibular joint	Yeju Seong	Seoul National University
[P2-51]	dam0328@snu.ac.kr	Early and marked enhancement of new bone quality by alendronate-loaded collagen sponge combined with high-dose bone morphogenetic protein-2: a long term study in rat calvarial defect model	TaeHyung Cho	Seoul National University
[P2-52]	unknown0120@nate.com	Three-dimensional highly aligned scaffold coated with bioactive agents for biomedical application	Sang Jin Lee	Korea Institute of Machinery and Materials (KIMM)
[P2-53]	sujam@hanmail.net	A 3D printable bio-ink derived from decellularized skin tissue	Sujeong Lee	Korea Institute of Machinery and Materials (KIMM)
[P2-54]	pooh0523@nate.com	Human turbinate derived mesenchymal stem cells on porous patterned nerve guidance conduit(NGC) promote regeneration of facial nerve injury model	sun hwa park	The Catholic University of Korea
[P2-55]	jylim8921@gmail.com	Accelerated bone regeneration through three-dimensional bioprinted constructs with human nasal inferior turbinate-derived mesenchymal stem cells	jung yeon lim	The Catholic University of Korea
[P2-56]	mihyun83@gmail.com	Differentiation of human turbinate-derived mesenchymal stem cells to airway mucosal epithelial cells	MIHYUN LIM	The Catholic University of Korea

[P2-57]	saeyoung@ewha.ac.kr	Restoration of neuromuscular function in trembler-j mice by human tonsil-derived MSC (T-MSC)	Saeyoung Park	Ewha Womans University
[P2-58]	yesysj45@gmail.com	Inkjet-spray hybrid printing for large-scale fabrication of cellular hydrogel structure	Sejeong Yoon	POSTECH
[P2-59]	kyum309@hanmail.net	Sclerostin inhibition improved bone mineral density in cerebral palsy	Yoon-Kyum Shin	Yonsei University College of Medicine
[P2-60]	onlyjin112@naver.com	Enriched environment enhances G-protein-regulated inducer of neurite outgrowth (GRIN) in the neural stem cell niche of adult brain	jihea yu	Yonsei University
[P2-61]	zugula@naver.com	Enhancement of neuroprotective enzymes by enriched environment in olfactory bulb of adult mice	JUNG HWA SEO	Yonsei University College of Medicine
[P2-62]	sunray@naver.com	The establishment of cell-encapsulated microbead system for chondrogenic differentiation	JUNHYUK BAE	CEFO Research Center
[P2-63]	sjinfinity6@naver.com	Downregulation of TRPM7 prevents migration and invasion of renal cell carcinoma cells via inactivation of the Src and Akt pathway	Jung yeon Kim	Kyungpook National University Hospital
[P2-64]	sjinfinity6@naver.com	Efficiency of neural differentiation in human urine-derived stem cells with laminin and PDGF-BB	Jung yeon Kim	Kyungpook National University Hospital
[P2-65]	ynh506@naver.com	Establishment of optimal transporting condition to achieve cell viability and tissue regeneration of AFSCs	Yu Nahee	Kyungpook National University
[P2-66]	ynh506@naver.com	Establishment of an optimal animal model for the research of interstitial cystitis comparing five different rat models	Yu Nahee	Kyungpook National University
[P2-67]	psthchoi@snu.ac.kr	Selection of stem cell like-fibroblasts from skin derived primary fibroblasts: some fibroblasts have a potential of stem cells	Miok Kim	Seoul National University, Seoul National University Hospital
[P2-68]	yunmin@yonsei.ac.kr	Enhancement of peripheral vascularization of endothelial cells co-cultured with human adipose-derived mesenchymal stem cells using fibrous scaffold	Yun-Min Kook	Yonsei University
[P2-69]	hsyadsl@naver.com	Bone tissue engineering using poly ( $\epsilon$ -caprolactone)/abalone peptide/collagen and poly ( $\epsilon$ -caprolactone)/abalone peptide/alginate scaffolds fabricated via 3D printer	Seong-Yeong Heo	Pukyong National University
[P2-70]	hsyadsl@naver.com	Calcitonin-like peptide from sea urchin stimulates osteoblast alkaline phosphatase activity and mineralization in pre-osteoblast MC3T3-F1 and mouse bone marrow stem cells	Seong-Yeong Heo	Pukyong National University
[P2-71]	ogwchobo@naver.com	Fabrication and evaluation of phlorotannin-coated poly ( $\epsilon$ -caprolactone) tube for prevention of tracheal stenosis in a rabbit model	Gun-Woo Oh	Pukyong National University
[P2-72]	LOVEDAYE93@yuhs.ac	Combined application of induced neural stem cell, valproic acid and gene therapy in neurologic model	Da Ye Baek	Yonsei University
[P2-73]	ymyun@yuhs.ac	Strategy for personalized medicine based on ALS patient-derived stem cells using CRISPR/Cas9-mediated genome editing	Yeomin Yun	Yonsei University
[P2-74]	216015@kist.re.kr	Comparative study of various cells-derived extracellular matrices coated on a metal for stent-mediated cell delivery	Mi Jin Jeong	KIST
[P2-75]	216015@kist.re.kr	Effective reconstruction of endothelial wall through outgrowth endothelial cells loaded metallic stents with cell-derived extracellular matrix	Mi Jin Jeong	KIST
[P2-76]	louiz7247@nate.com	Porous tissue-adhesive matrices based on optimized derivatization of chitosan	Mi Kyung Park	KIST
[P2-77]	ldw410@naver.com	Enhanced generation efficiency of human induced pluripotent stem cells by synthetic peptides	Dong Woo Lee	Nano Intelligent Biomedical Engineering Corporation (NIBEC)
[P2-78]	sophie25@nibec.co.kr	Anti-inflammatory effect of a cell penetrating peptide domain from human beta-defensin 3 through inhibiting NF- $\kappa$ B	Yeonsu Kim	Nano Intelligent Biomedical Engineering Corporation (NIBEC)
[P2-79]	hyunminchoi@yuhs.ac	Enhanced osseointegration of dual TiO <sub>2</sub> nanotube implants with controlled BMP-2 release	HYUNMIN CHOI	Yonsei University
[P2-80]	enger104@naver.com	TGF- $\beta$ 1 signaling pathway inhibits cementogenic differentiation of periodontal ligament cells	Jong-Chan Lim	Dankook University
[P2-81]	loverudwjd@naver.com	Immunomic screening of human odontoblast-specific cell surface molecules	Kyung-Jung Kang	Dankook University
[P2-82]	sunyive363@naver.com	Ameloblast cytodifferentiation from gingival epithelial cells is mediated by TGF $\beta$ -1/BMPs pathway	Sun-Yi Hyun	Dankook University
[P2-83]	filter4u1@naver.com	Melanogenesis effect of rice bran extracted minerals comprising soluble silicic acids	Hyun-Jun Jang	Dongguk University
[P2-84]	rjstnswj32@naver.com	Activation of human hair dermal papilla cells in rice bran ash-derived minerals	Soon-joung Kwon	Dongguk University
[P2-85]	213872@kist.re.kr	In vitro large scale three-dimensional vascularized beds based on decellularized extracellular matrix hydrogels	Tae Hee Kim	KIST
[P2-86]	ditnwis830@kist.re.kr	Enhanced skin regeneration by self-assembled peptide hydrogels conjugated with substance P in diabetic rat model	SOO JIN LEE	KIST
[P2-87]	-sweess-@hanmail.net	Regeneration of large sized adipose tissue with customized scaffold and dECM hydrogels	Su Hee Kim	KIST
[P2-88]	e3sang@naver.com	Assessment of in-vitro cell-culture of polycaprolactone kagome structure scaffold	Se-Hwan Lee	Wonkwang University
[P2-89]	whdydtkd7@naver.com	The fabrication of well-interconnected polycaprolactone/hydroxyapatite composite scaffolds, enhancing the exposure of hydroxyapatite using 3D printing and NaOH-erosion treatment	Yong Sang Cho	Wonkwang University
[P2-90]	yyjo@korea.kr	Effect of silk protein on stem cell differentiation	You-Young JO	Advanced Institutes of Convergence Technology
[P2-91]	-sweess-@hanmail.net	Skin regeneration with customized scaffold and self-assembling peptide hydrogel coupled with substance P	Su Hee Kim	KIST