

TERMIS-AP 2022

POSTER PRESENTATIONS | Lobby, 3F, ICC Jeju

No.	Presentation Info.		Abstract Info.		Presenter's Info.			Submission No.	Remarks
	Presentation No.	Presentation Date	Topic	Abstract Title	Name	Affiliation	Country		
1	P01-001	October 5-6	T01-Exosomes	Extracellular vesicles derived from fibroblasts promote wound healing by optimizing fibroblast and endothelial cellular functions	EunJung Oh	Kyungpook National University Hospital	Korea, Republic of	P-T01-0097	
2	P01-002	October 5-6	T01-Exosomes	Which medium is most suitable for the production of extracellular vesicles for therapeutics?	Ji Yong Choi	Xcell Therapeutics Inc.	Korea, Republic of	P-T01-0113	
3	P01-003	October 5-6	T01-Exosomes	Anti-inflammatory and immune-modulation effects of exosomes derived from human fetal cartilage progenitor cells (hFCPCs) <i>in vitro</i>	JIYOUNG LEE	Inha university	Korea, Republic of	P-T01-0588	
4	P01-004	October 5-6	T01-Exosomes	In vivo migration of mesenchymal stem cells to burn injury sites and their therapeutic effects in a living mouse model	Suin Kwak	KyungPook National University	Korea, Republic of	P-T01-0660	
5	P01-005	October 5-6	T01-Exosomes	Shear stress-driven exosome production and transcriptomic analysis in 3D cultured osteocytic cells	Eui Kyun Park	Kyungpook National University	Korea, Republic of	P-T01-0661	
6	P01-006	October 5-6	T01-Exosomes	Effect of cytokine stimulation on human mesenchymal stem/stromal cell responses to exosome secretion	Chaiyong Koaykul	Faculty of Medicine, Chulalongkorn University	Thailand	P-T01-0724	
7	P01-007	October 5-6	T01-Exosomes	Exosome derived from human adipose stem cells (ASC) exosome exert therapeutic effect on inhalation injury with caused by burns <i>in vitro</i>	You-rin Kim	Bum Institute, Hallym University	Korea, Republic of	P-T01-1013	
8	P02-001	October 5-6	T02-Organoids	Bioengineered airway organoids using a decellularized extracellular matrix for augmented regeneration of tracheal injuries	Si Hyeon Ju	Department of Biomedical Convergence, School of Convergence, Kyungpook National University	Korea, Republic of	P-T02-0104	
9	P02-002	October 5-6	T02-Organoids	Mouse liver organoids culture under in vivo-comparable steady-state flow condition support hepatic functions in mice with acute liver failure	Da Jung Jung	Asan Medical Center	Korea, Republic of	P-T02-0106	
10	P02-003	October 5-6	T02-Organoids	Generation of a hair follicle-like organoid model comprising human immortalized cell lines	Hyun Woo Joo	Kyungpook National University	Korea, Republic of	P-T02-0107	
11	P02-004	October 5-6	T02-Organoids	Bioengineered intestinal organoids using a tissue-adhesive biopolymeric hydrogel for reconstruction of intestinal injuries	Min Beom Kim	Department of Biomedical Convergence, School of Convergence, Kyungpook National University	Korea, Republic of	P-T02-0161	
12	P02-005	October 5-6	T02-Organoids	High-throughput endometrial organoids screening platform using decellularized extracellular matrix microgels	Myeong Jae Baek	Department of Biomedical Convergence, School of Convergence, Kyungpook National University	Korea, Republic of	P-T02-0175	
13	P02-006	October 5-6	T02-Organoids	Effect of microplastics on blood-brain barrier (BBB)	YEONG SEON CHO	KIST	Korea, Republic of	P-T02-0202	
14	P02-007	October 5-6	T02-Organoids	Modeling myocardial infarction using multi-cellular cardiac organoids from hPSCs	Myeongjin Song	Department of Commercializing Stem Cell Technology, NEXEL Co.,Ltd	Korea, Republic of	P-T02-0215	
15	P02-008	October 7-8	T02-Organoids	Modeling renal tract malformation using human pluripotent stem cell-derived 3D kidney organoids	Tengku Faris	International Islamic University Malaysia	Malaysia	E-T02-0315	Withdraw
16	P02-009	October 7-8	T02-Organoids	Bone organoid model for studying bone metabolism and disease	Hyang Kim	Myongji Hospital, New Horizon Biomedical Engineering Institute	Korea, Republic of	P-T02-0394	
17	P02-010	October 7-8	T02-Organoids	Development of a hypoxia-enhanced kidney organoids model that recapitulates human renal tubular structure and function	Hyeonji Lim	Ulsan National Institute of Science and Technology	Korea, Republic of	P-T02-0498	
18	P02-011	October 7-8	T02-Organoids	Establishment of liver organoid system for comprehensive evaluation of post-metabolic activity of embryonic-disrupting chemicals	Ji Hyun Moon	Department of Agricultural Biotechnology, Seoul National University, Seoul, 05326, Republic of Korea	Korea, Republic of	P-T02-0692	
19	P02-012	October 7-8	T02-Organoids	Ratinoic acids reciprocally regulate the luminal and acinar cell differentiation via the RAR-TGFβ signaling in adult salivary gland organoids	Jaun Kim	Department of Otorhinolaryngology, Yonsei University College of Medicine	Korea, Republic of	P-T02-0742	
20	P02-013	October 7-8	T02-Organoids	Glutamins-inducing MAC-8 as a critical modulator for the astrocytic scar in a human glioblastoma microenvironment organoid and xenograft mouse model	Yen Diep	Institute of Quantum Biophysics, Sungkyunkwan University	Korea, Republic of	O-T02-0855	
21	P03-001	October 5-6	T03-Stem Cells	In vivo oxygen and temperature for ideal culture condition of human nasal inferior turbinate derived stem cells in human nose	SeHwan Hwang	Catholic university of Korea	Korea, Republic of	P-T03-0016	
22	P03-002	October 5-6	T03-Stem Cells	Optimising somatic cell reprogramming outcomes through mechano-modulation	Justin Cooper-White	The University of Queensland	Australia	O-T03-0085	
23	P03-003	October 5-6	T03-Stem Cells	Dormant state of quiescent neural stem cells links Shank3 mutation to autism development	JONGPIL KIM	DONGGUK UNIV	Korea, Republic of	P-T03-0163	
24	P03-004	October 5-6	T03-Stem Cells	Metabolic switch in human bone marrow stromal/stem cells and discovery of NR2F1 gene that can promote cell survival and osteogenic differentiation under a glucose-deprived microenvironment	Eugene Lee	Dongguk university	Korea, Republic of	P-T03-0199	
25	P03-005	October 5-6	T03-Stem Cells	Discovery of GSTT1 gene that can promote osteogenic differentiation of adipose stem cells	Eugene Lee	Research Institute for Integrative Regenerative Biomedical Engineering, Dongguk University	Korea, Republic of	P-T03-0203	
26	P03-006	October 5-6	T03-Stem Cells	Application of skeletal muscle cell differentiated from human tonsil-derived stem cells for Duchenne muscular dystrophy	Saeyoung Park	Department of Biochemistry, College of Medicine, Ewha Womans University, Seoul 07804, Republic of Korea	Korea, Republic of	P-T03-0205	
27	P03-007	October 5-6	T03-Stem Cells	Cornal regeneration by autologous limbal stem cells cultured on siloxane-hydrogel contact lens in a limbal stem cell deficient rabbit model	Rohaina Che Man	Department of Pathology, Faculty of Medicine, Universiti Kebangsaan Malaysia Medical Centre, Kuala Lumpur, Malaysia	Malaysia	E-T03-0252	
28	P03-008	October 5-6	T03-Stem Cells	Hypo-immune retinal pigment epithelial cells for retinal regeneration	kim jyeon	Department of Convergence Medicine, Asan Medical Center	Korea, Republic of	P-T03-0279	
29	P03-009	October 5-6	T03-Stem Cells	Working cell bank preparation of retinal pigment epithelial cells during differentiation from iPSC	Kwak Sang Hee	Department of Convergence Medicine, Asan Medical Center	Korea, Republic of	P-T03-0280	
30	P03-010	October 5-6	T03-Stem Cells	Study on hepatic progenitor cell activation and liver regeneration through the interaction of mesenchymal stem cells and liver sinusoidal endothelial cells	Su Jung Park	Yonsei university wonju college of medicine	Korea, Republic of	P-T03-0307	
31	P03-011	October 5-6	T03-Stem Cells	Silencing SIRT5 induces the senescence of UCB-MSCs exposed to TNF-α by reduction of fatty acid β-oxidation and superoxide dismutase 2 activity	Young Hyun Jung	Department of Veterinary Physiology, College of Veterinary Medicine and Research Institute for Veterinary Science, Seoul National University	Korea, Republic of	P-T03-0370	
32	P03-012	October 5-6	T03-Stem Cells	Effect of mESCs transplanted into the cochlea of animals with acute and chronic neurological hearing loss	So-Young Chang	Dankook University	Korea, Republic of	P-T03-0396	
33	P03-013	October 5-6	T03-Stem Cells	Basic fibroblast growth factor and forskolin induce cholinergic neuronal differentiation of tonsil-derived mesenchymal stem cells	Se-Young (Steve) Oh	Department of Molecular Medicine & Graduate Program in System Health Science and Engineering, College of Medicine, Ewha Womans University	Korea, Republic of	E-T03-0432	
34	P03-014	October 5-6	T03-Stem Cells	Transcriptomic analysis of human tonsil-derived mesenchymal stem cells exposed to far-infrared irradiation	Young Min Choi	Department of Molecular Medicine, College of Medicine, Ewha Womans University, Seoul 07804, Graduate Program in System Health Science and Engineering, Ewha Womans University, Seoul	Korea, Republic of	P-T03-0453	
35	P03-024	October 5-6	T03-Stem Cells	UCLH1 plays a key role for the trans-differentiation of auditory supporting cells into hair cells in the cochlea	Yun-Hoon Choung	Aju University School of Medicine	Korea, Republic of	P-T03-0713	
36	P03-032	October 5-6	T03-Stem Cells	Evaluation of the effects of <i>Corticopda minims</i> (L.) on cellular viability, osteogenic differentiation and mineralization of human bone marrow-derived stem cells	Hyunjin Lee	The Catholic University of Korea	Korea, Republic of	P-T03-1046	
37	P03-015	October 7-8	T03-Stem Cells	Practical study of human bone marrow-derived mesenchymal stem cells using a three-dimensional manufacturing setting for enhancing spinal fusion	Hyemin Choi	CHA Bundang Medical Center, Cha University	Korea, Republic of	P-T03-0545	
38	P03-016	October 7-8	T03-Stem Cells	Anti-inflammatory effect of human fetal cartilage-derived progenitor cells (hFCPCs) on IL-1β-mediated osteoarthritis (OA) phenotypes <i>in vitro</i>	JIYOUNG LEE	Inha university	Korea, Republic of	P-T03-0589	
39	P03-017	October 7-8	T03-Stem Cells	Enhancement of the stem cell engraftment and differentiation for cartilage regeneration by using transglutaminase-4hydrogel	SUN YOUNG WANG	Department of Orthopedic Surgery, Seoul National University Hospital	Korea, Republic of	P-T03-0630	
40	P03-018	October 7-8	T03-Stem Cells	Hypoxic condition enhances chondrogenesis in synovium-derived mesenchymal stem cells	Ha Ru Yang	SEOUL NATIONAL UNIVERSITY HOSPITAL	Korea, Republic of	P-T03-0655	
41	P03-019	October 7-8	T03-Stem Cells	Establishment of induced pluripotent stem cells by lentiviral reprogramming of primary dermal fibroblasts	Fazlina Nordin	Centre for Tissue Engineering and Regenerative Medicine (CTERM), Universiti Kebangsaan Malaysia (UKM)	Malaysia	O-T03-0684	
42	P03-020	October 7-8	T03-Stem Cells	Characteristics of mesenchymal stem cells from various tissue source according to culture media type	Min Hee Kang	Xcell therapeutics Inc.	Korea, Republic of	P-T03-0690	
43	P03-021	October 7-8	T03-Stem Cells	Transcriptomic changes of the tonsil-derived mesenchymal stem cells upon the inhibition of the rate-limiting enzymes for nucleotide biosynthesis	Steve (Se-Young) Oh	Department of Molecular Medicine, College of Medicine, Ewha Womans University	Korea, Republic of	P-T03-0693	
44	P03-022	October 7-8	T03-Stem Cells	Inhibitory effect of tonsil-derived mesenchymal stem cell proliferation by treatment of non-structural protein 9 through PI3K/Akt signaling	Kyeong Eun Lee	Department of Microbiology, School of Biological Sciences, College of Natural Sciences, Chungbuk National University	Korea, Republic of	P-T03-0709	
45	P03-023	October 7-8	T03-Stem Cells	Changes in the integrin α3 expression controls tonsil derived mesenchymal stem cell proliferation and senescence	Da Hyeon Choi	Chungbuk National University	Korea, Republic of	P-T03-0712	
46	P03-025	October 7-8	T03-Stem Cells	Characterisation of Pax7 in dystrophin-deficient myoblasts from <i>mdx</i> mouse model	Muhammad Dain Yazid	Universiti Kebangsaan Malaysia	Malaysia	P-T03-0774	Withdraw
47	P03-026	October 7-8	T03-Stem Cells	Primed human clonal mesenchymal stem cells enhance therapeutic efficacy in a murine model of atopic dermatitis	Jeonghyun Moon	SCM Lifescience Inc.	Korea, Republic of	P-T03-0807	Withdraw
48	P03-027	October 7-8	T03-Stem Cells	Bone marrow mesenchymal stem cells (MSCs) on nature inspired and biomaterial scaffolds for bone tissue engineering applications	Payal Ganguly	University of Leeds	United Kingdom	P-T03-0988	Withdraw
49	P03-028	October 7-8	T03-Stem Cells	Bone regeneration induced by osteoblast-like cells (CF-MB01) differentiated from umbilical cord stroma cells in a goat partial defect model	Hyun-Sook Park	CEFO Co., Ltd.	Korea, Republic of	P-T03-1015	
50	P03-029	October 7-8	T03-Stem Cells	Optimization of mesenchymal stem cell spheroids for enhanced angiogenesis	Eun Ji Jeong	Seoul National University	Korea, Republic of	P-T03-1021	

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51	P03-030	October 7-8	T03-Stem Cells	AGEs-induced oxidative stress regulation as a potential target to attenuate the impact of the diabetic microenvironment on mesenchymal stromal cells	Rebecca Landon	Université Paris Cité, CNRS, INSERM, ENVA, B30A, F-75010 Paris, France	France	P-T03-1031	
52	P03-031	October 7-8	T03-Stem Cells	The therapeutic potential of MSCs administration in naturally aged sarcopenia mouse model	Yu Hsuan Belle WANG	The Chinese University of Hong Kong	Hong Kong	P-T03-1033	
53	P04-001	October 5-6	T04-Biomaterials	Development of high elastic biodegradable stent based on PCL copolymer with shape memory effect	Ga Hee Kim	Korea Textile Development Institute	Korea, Republic of	P-T04-0038	
54	P04-002	October 5-6	T04-Biomaterials	Silk sericin increases BMP-2 expression in macrophage	Seong-Gon Kim	Gangneung-Wonju National University	Korea, Republic of	P-T04-0047	
55	P04-003	October 5-6	T04-Biomaterials	The administration of peptides from silk sericin to the macrophage	Seong-Gon Kim	Gangneung-Wonju National University	Korea, Republic of	P-T04-0048	
56	P04-004	October 5-6	T04-Biomaterials	Lotus-inspired multifunctional antifouling janus nanofibrous membrane for prevention of postsurgical tissue adhesion	Yu Ri Jeon	Kyungpook National University	Korea, Republic of	P-T04-0101	
57	P04-005	October 5-6	T04-Biomaterials	Evaluation of bone formation of duck-beak particles by heat treatment procedure in a rat model	Seok Jin Jang	Department of Veterinary Surgery, Chungbuk National University	Korea, Republic of	P-T04-0111	
58	P04-006	October 5-6	T04-Biomaterials	Vertical osteogenesis using a 3D printed nylon cap in a rat model	Seok Jin Jang	Department of Veterinary Surgery, Chungbuk National University	Korea, Republic of	P-T04-0114	
59	P04-007	October 5-6	T04-Biomaterials	Properties of biodegradable fiber stents consist of polydioxanone and polycaprolactone for companion animal application	Soon Ho Jang	Korea Textile Development Institute	Korea, Republic of	P-T04-0136	
60	P04-008	October 5-6	T04-Biomaterials	Biodegradable vascular scaffold with modified magnesium hydroxide coating for improved re-endothelialization and anti-inflammation	Duck Hyun Song	CHA University	Korea, Republic of	P-T04-0141	
61	P04-009	October 5-6	T04-Biomaterials	Improvement of mechanical properties and anti-inflammatory effect of poly(L-lactic acid) by formation of stereocomplex structure and surface-modified magnesium hydroxide	Jun Hyuk Kim	CHA University	Korea, Republic of	P-T04-0142	
62	P04-010	October 5-6	T04-Biomaterials	Gelatin based edible 3D-porous scaffolds for culture meat applications	Madhusudana Kummarra	School of Chemical Engineering and Research Institute of cell culture, Yeungnam University, Gyeongsan-38541, Republic of Korea	Korea, Republic of	P-T04-0157	
63	P04-011	October 5-6	T04-Biomaterials	Xeno- and serum-free manufacturing of a hypoxic culture enhanced mesenchymal stem cell (MSC)-derived extracellular matrix (ECM)-based biomaterial for therapeutic angiogenesis	Kwok Keung Lit	Institute for Tissue Engineering and Regenerative Medicine, The Chinese University of Hong Kong, Shatin, New Territories, Hong Kong, Hong Kong Special Administrative Region of China	Hong Kong	P-T04-0177	
64	P04-012	October 5-6	T04-Biomaterials	Heat-confined tumor-docking reversible thermogel potentiates systemic antitumor immune response during near-infrared triggered photothermal therapy in triple-negative breast cancer	ADITYANARAYAN MOHAPATRA	Chonnam National University, South Korea	Korea, Republic of	P-T04-0178	
65	P04-013	October 5-6	T04-Biomaterials	Physicochemical properties of dexamethasone-loaded polydioxanone monofilament fiber with different draw ratio	Myoungjin Jang	Korea Textile Development Institute	Korea, Republic of	P-T04-0188	
66	P04-014	October 5-6	T04-Biomaterials	Fabrication and mechanical compatibility of beta-tricalcium phosphate/alumina/polycaprolactone scaffolds for bone tissue regeneration	Jin Myoung Yoo	Industry 4.0 Convergence Bionics Engineering, Pukyong National University	Korea, Republic of	P-T04-0195	
67	P04-015	October 5-6	T04-Biomaterials	Hyaluronan-coated Prussian blue nanoparticles mitigate oxidative stress and inflammation during LPS-induced peritonitis	AYESKANTA MOHANTY	CHONNAM NATIONAL UNIVERSITY	Korea, Republic of	P-T04-0200	
68	P04-016	October 5-6	T04-Biomaterials	Inflammation-sensing catalase-mimicking nanozymes alleviate acute kidney injury via reversing local oxidative stress	Aarathy Vasukutty	Chonnam National University	Korea, Republic of	P-T04-0207	
69	P04-017	October 5-6	T04-Biomaterials	Tumor microenvironment-regulating immunosenescence-independent nanostimulant synergizing with near-infrared light irradiation for antitumor immunity	Anal Babu	Chonnam National University	Korea, Republic of	P-T04-0208	
70	P04-018	October 5-6	T04-Biomaterials	BMP-2-immobilized lubricated orthopedic implant coating suppresses bacterial infection and improves osseointegration	Jae Park	Yonsei University	Korea, Republic of	E-T04-0210	
71	P04-019	October 5-6	T04-Biomaterials	Advanced fabrication of the vascular structure using triple-coaxial bioprinting	Jin Myoung Yoo	Industry 4.0 Convergence Bionics Engineering, Pukyong National University	Korea, Republic of	P-T04-0218	
72	P04-020	October 5-6	T04-Biomaterials	Electrochemical identification of naive and primed PSCs based on cellular metabolism	KYEONG-MO KOO	School of Integrative Engineering, Chung-Ang University, Seoul 06274	Korea, Republic of	P-T04-0250	
73	P04-021	October 5-6	T04-Biomaterials	A new approach to characterize metastatic tendency of cancer cells	Kyeonwoon Chung	Kyungpook National University	Korea, Republic of	P-T04-0262	Withdraw
74	P04-022	October 5-6	T04-Biomaterials	Evaluation of cartilage regeneration efficacy of recombinant human transforming growth factor-beta 3 (rhTGF-beta3) in rabbit knee model	pilyun kim	Research Center, CGBio Co., Ltd.	Korea, Republic of	P-T04-0282	
75	P04-023	October 5-6	T04-Biomaterials	Programmed 'tripple-mode' anti-tumor therapy: Improving peritoneal retention, tumor penetration and activatable drug release properties for effective inhibition of peritoneal carcinomatosis	VEENA VIJAYAN	Chonnam National University	Korea, Republic of	P-T04-0300	
76	P04-024	October 5-6	T04-Biomaterials	Complex coacervate as a localized drug delivery and adhesive coating for wound healing patches	Young Kim	seoul national university	Korea, Republic of	P-T04-0309	
77	P04-025	October 5-6	T04-Biomaterials	Reactive oxygen species suppressive kraft lignin-gelatin based antioxidant hydrogels for chronic wound repair	Byulhana Kim	Department of Chemical and Biomolecular Engineering, College of Engineering, Yonsei University	Korea, Republic of	P-T04-0319	
78	P04-026	October 5-6	T04-Biomaterials	BORON-doxorubicin-chitosan scaffolds as dual functional carriers with antitumor efficacy and bone regeneration ability	Luka Domjak	University of Zagreb Faculty of Chemical Engineering and Technology	Croatia	P-T04-0346	
79	P04-027	October 5-6	T04-Biomaterials	Functionalization, preparation and use of stem cell-laden bio-based photo-clickable hydrogels for spinal cord injury treatment	Paula Nunes de Oliveira	CNRS@CREATE Ltd, CREATE Tower, #08-01, 1 Create way, Singapore 138602 / School of Chemical and Biomedical Engineering, Nanyang Technological University, 62 Nanyang Drive, Singapore	Singapore	O-T04-0395	
80	P04-028	October 5-6	T04-Biomaterials	Synergistic effect of dual oxygen and hydrogen peroxide release on enhancing the osteogenic and antibacterial properties of injectable hydrogels	Dong Hwan Oh	Department of Molecular Sciences and Technology, Ajou University, Suwon 16499, Republic of Korea (kdy@ajou.ac.kr)	Korea, Republic of	P-T04-0400	
81	P04-029	October 5-6	T04-Biomaterials	Desulfurated bovine pericardial patch loaded with stem cells enhance the mechanical strength and biological healing of chronic retracted rotator cuff tear in a rat model	JAE HEE CHOI	Asan Institute for Life Sciences, Asan Medical Center	Korea, Republic of	P-T04-0405	
82	P04-030	October 5-6	T04-Biomaterials	Engineering of islets with chitosan microspheres and on-demand loading of heparin for preventing IBMIR in islet transplantation	Manju Shrestha	Sungkyunkwan University	Korea, Republic of	O-T04-0407	
83	P04-031	October 5-6	T04-Biomaterials	ECGC-embedded hybrid gelatin injectable hydrogel a provisional bio-templare for future application: <i>In vitro</i> evaluation	Zawani Mazlan	Centre for Tissue Engineering & Regenerative Medicine, Faculty of Medicine, Universiti Kebangsaan Malaysia, Kuala Lumpur 56000, Malaysia	Malaysia	O-T04-0408	
84	P04-032	October 5-6	T04-Biomaterials	Engineering of biocompatible hybrid gelatin-PVA bioink for potential chronic wound treatment	Yafira Masri	Department of Tissue Engineering Centre and Regenerative Medicine, Faculty of Medicine, Universiti Kebangsaan Malaysia, Cheras, Kuala Lumpur 56000, Malaysia	Malaysia	P-T04-0411	
85	P04-033	October 5-6	T04-Biomaterials	Alginate and gelatin-based scaffolds for the manufacture of <i>in-vitro</i> reconstructed meat	ANKUR SOOD	YEUNGNAM UNIVERSITY	Korea, Republic of	P-T04-0433	
86	P04-034	October 5-6	T04-Biomaterials	Morphological control of gold nanoparticles to enhance stability of localized surface plasmon resonance signals	Joon-Ha Park	School of Integrative Engineering, Chung-Ang University, Seoul 06974, Republic of Korea	Korea, Republic of	P-T04-0444	
87	P04-035	October 5-6	T04-Biomaterials	Fabrication and characterization of starch-based scaffolds for a cultivated meat	So Yeon Won	Yeungnam University	Korea, Republic of	P-T04-0475	
88	P04-036	October 5-6	T04-Biomaterials	Cardiomyogenic induction of human mesenchymal stem cells by altered behavior-driven epigenetic memory on a dendrite-immobilized surface	Mee-Hae Kim	Osaka University	Japan	P-T04-0508	
89	P04-037	October 5-6	T04-Biomaterials	Development of Scaffold for cultured meat in the form of lumps through edible materials and crosslinking	Yong Joo Seok	School of Chemical Engineering, Yeungnam University, 280 Daehak-Ro, Gyeongsan, Gyeongsangbuk 38541, Republic of Korea	Korea, Republic of	P-T04-0513	
90	P04-038	October 5-6	T04-Biomaterials	Influence of substrate stiffness on the biomechanical characteristics of hepatocytes and hepatic stellate cells in the context of liver fibrosis	Anwsha Barua	Indian Institute of Science	India	E-T04-0544	
91	P04-039	October 7-8	T04-Biomaterials	Development of a mineralized decellularized tissue for soft-hard inter-regional tissue application	Tsuyoshi Kimura	Institute of Biomaterials and Bioengineering, Tokyo Medical and Dental University	Japan	P-T04-0590	
92	P04-040	October 7-8	T04-Biomaterials	Plasmid dna nanoparticles for oral therapy	Jeong Man Ahn	Hanyang University	Korea, Republic of	P-T04-0612	
93	P04-041	October 7-8	T04-Biomaterials	Process development for nerve regeneration implant using the 3D bio-printer	Songho Kim	T&R Biotech	Korea, Republic of	P-T04-0614	
94	P04-042	October 7-8	T04-Biomaterials	Development of BMP-loaded bioabsorbable microspheres with calcium-binding polymer-coating for high efficiency transport	Myoung-Hee Kang	Department of Plastic and Reconstructive Surgery, SMG-SNU Boramee Medical Center	Korea, Republic of	P-T04-0623	
95	P04-043	October 7-8	T04-Biomaterials	Liquid-type plasma-controlled <i>in situ</i> crosslinking of silk hydrogel displayed better bioactivities and mechanical properties	Ju Hyun Yun	Ajou University	Korea, Republic of	O-T04-0624	
96	P04-044	October 7-8	T04-Biomaterials	Hydroxyl radical generation mediated antibacterial therapeutics by catechol functionalized hyaluronic acid hydrogels and zinc oxide nanoparticles	Myoung-Hee Kang	Department of Plastic and Reconstructive Surgery, SMG-SNU Boramee Medical Center	Korea, Republic of	P-T04-0625	
97	P04-045	October 7-8	T04-Biomaterials	Development of cooling system for nerve regeneration implant using biomaterials	Dongwon Seok	T&R Biotech	Korea, Republic of	P-T04-0626	
98	P04-046	October 7-8	T04-Biomaterials	Process development of heterogeneous sheets for nerve regeneration implant	Chae Hyeon Ryu	T&R Biotech	Korea, Republic of	P-T04-0631	
99	P04-047	October 7-8	T04-Biomaterials	Senescent cancer cell-derived nanovaccine for cancer therapy	SangJun Moon	Seoul National University	Korea, Republic of	P-T04-0650	
100	P04-048	October 7-8	T04-Biomaterials	Fabrication of poly(HEMA-co-MMA) porous scaffold with highly biocompatibility for soft tissue regeneration	Byeong Kook Kim	TE BioS Co., Ltd	Korea, Republic of	P-T04-0651	

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101	P04-049	October 7-8	T04-Biomaterials	Fabrication of poly(HEMA-co-MMA) scaffold having surface roughness and modulus for soft-tissue engineering	Yong Sang Cho	TE BioS co., Ltd	Korea, Republic of	P-T04-0653	
102	P04-050	October 7-8	T04-Biomaterials	In situ forming elastin-like polypeptide hydrogel for injectable drug delivery applications	Yeongjin Noh	Ulsan National Institute of Science and Technology	Korea, Republic of	P-T04-0686	
103	P04-051	October 7-8	T04-Biomaterials	Applicability of chemically-defined media in the development of cell therapy using keratinocyte	Hong Seok Kang	Xcell Therapeutics Inc.	Korea, Republic of	P-T04-0687	
104	P04-052	October 7-8	T04-Biomaterials	Comparative study of mesenchymal stem cell media for culture reproducibility and consistency	Min Hee Kang	Xcell therapeutics Inc.	Korea, Republic of	P-T04-0688	
105	P04-053	October 7-8	T04-Biomaterials	Applicability of chemically-defined media in hair follicle cell culture for hair loss cell therapy	Ji Soo Park	Xcell Therapeutics Inc.	Korea, Republic of	P-T04-0694	
106	P04-054	October 7-8	T04-Biomaterials	Coating of graphene oxide on a large-area plastic surface to fabricate a novel cell culture vessel	Danbi Park	Kyungpook national university	Korea, Republic of	P-T04-0701	
107	P04-055	October 7-8	T04-Biomaterials	Biological and mechanical properties of xenograft coated with catechol- and thiol-containing binder	Sang Ho Jun	Korea University	Korea, Republic of	P-T04-0702	
108	P04-056	October 7-8	T04-Biomaterials	Octanoyl glycol chitosan activates cell cycle via up-regulation of cyclin D1 protein and accelerate osteo-induction in tonsil derived mesenchymal stem cells	Kyeong Eun Lee	Department of Biological Sciences and Biotechnology, College of Natural Sciences, Chungbuk National University	Korea, Republic of	P-T04-0705	
109	P04-057	October 7-8	T04-Biomaterials	Direct conversion of mouse embryonic fibroblasts into mesenchymal stem-like cells with cell-permeable Oct4 gene delivery	Da Hyeon Choi	Chungbuk National University	Korea, Republic of	P-T04-0715	
110	P04-058	October 7-8	T04-Biomaterials	Effect of HA particle size and quantity on the bioactive and biological behaviour of PU scaffolds	Ishad alhamoudi	King Khalid University	Saudi Arabia	P-T04-0735	
111	P04-059	October 7-8	T04-Biomaterials	Design and preparation biodegradable staple for the intestinal suture	Runje Zhang	University of Chinese Academy of Sciences	China	P-T04-0767	
112	P04-060	October 7-8	T04-Biomaterials	Development of porous PLLA/DCPA short fiber for bone formation	Mao Takadera	Graduate School of Life and Medical Sciences, Doshisha University	Japan	E-T04-0782	
113	P04-061	October 7-8	T04-Biomaterials	Bile acids containing nanoparticle and oral delivery strategies	Kyoung Sub Kim	The Catholic University of Korea, Department of Biotechnology	Korea, Republic of	P-T04-0786	
114	P04-062	October 7-8	T04-Biomaterials	Optimization of chemically defined soluble basement membrane solution as an alternative to matrigel for epithelialization studies	Maitree Mistry	Tissue Engineering Lab, Department of Mechanical Engineering, The University of Hong Kong, Pokfulam, Hong Kong ; Advanced Biomedical Instrumentation Centre, Hong Kong Science Park	Hong Kong	E-T04-0789	
115	P04-063	October 7-8	T04-Biomaterials	Effects of an injectable in situ hyaluronic acid hydrogel combined with basic fibroblast growth factor for a dermal filler	Dohyun Kim	Department of Chemical and Biomolecular Engineering, Yonsei University, 50 Yonsei-ro, Seodaemun-gu, Seoul 03722, Republic of Korea	Korea, Republic of	P-T04-0815	
116	P04-064	October 7-8	T04-Biomaterials	The effect of biphasic calcium phosphate and demineralized bone matrix on tooth eruption in mongrel dogs	Ji-Young Kim	Division of Pediatric Plastic Surgery, Seoul National University Children's Hospital	Korea, Republic of	P-T04-0836	
117	P04-065	October 7-8	T04-Biomaterials	Supramolecular hydrogel based on osteogenic growth peptide promotes bone defect repair	Yanhong Zhao	Hospital of Stomatology, Tianjin Medical University	China	P-T04-0856	Withdraw
118	P04-066	October 7-8	T04-Biomaterials	3D printing stiff antibacterial hydrogels for meniscus replacement	Rong Yang	Tianjin University	China	O-T04-0867	Withdraw
119	P04-067	October 7-8	T04-Biomaterials	Application of hybrid graphene oxide and silver nanoparticles in wound healing	Atiqah Salleh	Centre for Tissue Engineering and Regenerative Medicine, Faculty of Medicine, Universiti Kebangsaan Malaysia, Kuala Lumpur 56000, Malaysia	Malaysia	P-T04-0931	
120	P04-068	October 7-8	T04-Biomaterials	Study on corrosion mechanism of 3D-printed porous Ti-Nb-Zr-Sn alloy scaffolds immobilized with type I collagen in simulated inflammatory conditions	Jia-Yi Wen	Institute of Oral Biology, National Yang Ming Chiao Tung University	Chinese Taipei	P-T04-0942	
121	P04-069	October 7-8	T04-Biomaterials	Towards allogeneic xenograft: The use of human induced pluripotent stem cells in recellularizing retrogenic cardiac scaffolds do not activate human native neurogenesis	Reem AL Hajalan	King faisal hospital and research center	Saudi Arabia	P-T04-0944	
122	P04-070	October 7-8	T04-Biomaterials	Magnesium-encapsulated injectable hydrogel and 3D-engineered polycaprolactone conduit facilitate peripheral nerve regeneration	Ling Qin	The Chinese University of HK	Hong Kong	P-T04-0965	
123	P04-071	October 7-8	T04-Biomaterials	Biomaterials for enhancing cell survival in low water environment	Lady Barrios Silva	University College London Hospitals	United Kingdom	P-T04-1003	
124	P04-072	October 7-8	T04-Biomaterials	Synthesis of polysaccharide-based nanoparticles for delivery of genistein to combat colon cancer treatment	Dr. Ashok Kumar Jangid	Dongguk University	Korea, Republic of	P-T04-1009	
125	P04-073	October 7-8	T04-Biomaterials	Tailor-made collagen-like protein-based three-dimensional hydrogels for tissue engineering applications	Niraakum Ayyadurai	CSIR - Central Leather Research Institute	India	P-T04-1018	Withdraw
126	P04-074	October 7-8	T04-Biomaterials	Design of a conductive nerve guidance conduit with silver nanoparticles/poly(vinyl alcohol) hydrogels for peripheral nerve regeneration	Sujeong Park	Korea Institute of Science and Technology (KIST)	Korea, Republic of	P-T04-1024	
127	P04-075	October 7-8	T04-Biomaterials	Measurement of cell-ECM, intracellular stresses, and intracellular tensions using gelatin methacryloyl (GelMA) hydrogels based traction force microscopy (TFM), intracellular force microscopy (IFM), and molecular stress microscopy (MSM)	Sung Sik Hur	Soonchunhyang University	Korea, Republic of	P-T04-1034	
128	P04-076	October 7-8	T04-Biomaterials	Cytotoxicity effect of SIM-PLGA chitosan coated scaffolds on human osteoblast (hFOB) proliferation	NUR ALIANA HIDAYAH MOHAMED	UNIVERSITI TEKNOLOGI MARA	Malaysia	O-T04-1077	
129	P04-077	October 7-8	T04-Biomaterials	Bioinks based on recombinant collagen for 3D bioprinting	Jayden Park	Evonik Korea Ltd	Korea, Republic of	P-T04-1083	
130	P05-001	October 5-6	T05-Biofabrication	Fabrication of tissue specific multi-layered scaffold for periodontium regeneration	Dongyun Kim	Sungkyunkwan University	Korea, Republic of	O-T05-0187	
131	P05-002	October 5-6	T05-Biofabrication	Optimization of printability of alginate-based bioinks using theology-informed machine learning	Dageon Oh	Major of Biomedical Engineering, Division of Smart Healthcare, College of Information Technology and Convergence, Pukyong National University	Korea, Republic of	P-T05-0216	
132	P05-003	October 5-6	T05-Biofabrication	Sea anemone-derived silk-like protein-based nanoparticles for systemic cancer therapy	Hyeokjun Lee	POSTECH	Korea, Republic of	P-T05-0293	
133	P05-004	October 5-6	T05-Biofabrication	Study of mini-cornea model for eye irritation test	Seon-Hwa Kim	Industry 4.0 Convergence Bionics Engineering, Pukyong National University, Busan	Korea, Republic of	P-T05-0427	
134	P05-005	October 5-6	T05-Biofabrication	Guided assembly of spheroids for complex tissue formation using functionalized magnetic nanofibers	Hayeon Byun	Hanyang University	Korea, Republic of	P-T05-0466	
135	P05-006	October 5-6	T05-Biofabrication	Fabrication of biodegradable polycarbonate 3D printing scaffold and evaluation of biocompatibility	Yun Bae Ji	Ajou university	Korea, Republic of	P-T05-0566	
136	P05-007	October 5-6	T05-Biofabrication	3D bioprinted kidney-derived bioink constructs for renal tissue regeneration	Sang Jin Lee	Wake Forest University School of Medicine	USA	E-T05-0582	
137	P05-008	October 7-8	T05-Biofabrication	IPN bioink for 3D printing macro-scale, complex tissue analogues	Muragan Ramalingam	Dankook University	Korea, Republic of	P-T05-0768	
138	P05-009	October 7-8	T05-Biofabrication	Development of a flexible vascular external stent for the treatment of aortic aneurysm	Jin Woo Lee	Gachon University	Korea, Republic of	P-T05-0797	
139	P05-010	October 7-8	T05-Biofabrication	In-situ osteochondral interface fabrication via printing of ceramic ink in optimized stem cell-laden microgel suspension	Gagan Jalandhra	UNSW Sydney	Australia	O-T05-0824	Withdraw
140	P05-011	October 7-8	T05-Biofabrication	Extrusion-based 3D bioprinting from bench to bedside applications in bone tissue engineering using platelet rich plasma and scaffolding materials	Dongxu Ke	Novaprint Therapeutics	China	P-T05-0958	
141	P05-012	October 7-8	T05-Biofabrication	Development of functional insulin-producing cell clusters from iPSCs using microgravity bioreactor	Hanse Goh	UNIVERSITY OF ULSAN	Korea, Republic of	P-T05-1038	
142	P05-013	October 7-8	T05-Biofabrication	Highly scalable and automation compatible organ-on-chip platform for biological barriers modeling	Prateek Singh	Finnadvance	Finland	P-T05-1041	
143	P06-001	October 5-6	T06-Tissue Engineering	Novel GBR method for cranial bone defect healing using dual scaffolds of BMP-2 and FGF-2	Jaehan Park	Yonsei University College of Dentistry	Korea, Republic of	P-T06-0067	
144	P06-002	October 5-6	T06-Tissue Engineering	The effect of extracellular matrix glycation on mechanoresponsiveness of cells	Insung Yong	KAIST	Korea, Republic of	P-T06-0070	
145	P06-003	October 5-6	T06-Tissue Engineering	On the way to a bio-printed intervertebral disc (IVD) model: In vitro evaluation of the interactions of ovine IVD cells with a collagen/hyaluronic acid bio-ink	Catherine Le Visage	Inserm, Regenerative Medicine and Skeleton, Nantes Universite, France	France	O-T06-0082	
146	P06-004	October 5-6	T06-Tissue Engineering	Nitric-oxide conjugated copolymer for accelerating palatal wound healing	Jong-Eun Won	Korea university guro hospital	Korea, Republic of	P-T06-0095	Withdraw
147	P06-005	October 5-6	T06-Tissue Engineering	Acellular skin patch of collagen hydrogel fortified with dermal fibroblast conditioned medium (DFCM) for skin therapeutic application: In Vivo Study	Manira Maarof	Centre for Tissue Engineering and Regenerative Medicine, Faculty of Medicine, Universiti Kebangsaan Malaysia, 56000 Cheras, Kuala Lumpur, Malaysia	Malaysia	O-T06-0129	
148	P06-006	October 5-6	T06-Tissue Engineering	Enhancing fat graft survival using biodegradable scaffolds with acellular adipose matrix and magnesium hydroxide-incorporated PLGA microspheres	Ji-Won Jung	CHA University	Korea, Republic of	P-T06-0143	
149	P06-007	October 5-6	T06-Tissue Engineering	Co-culture model of 3D renal proximal tubule and human immune cells elucidating progression of acute kidney injury involved with hyperactivation of immune system	Yu Bin Lee	Korea Institute of Toxicology	Korea, Republic of	P-T06-0149	
150	P06-008	October 5-6	T06-Tissue Engineering	Effects of fibrous collagen/CDHA/hUCS biocomposites on bone tissue regeneration	Chul Ho Jang	Chonnam National University	Korea, Republic of	O-T06-0150	
151	P06-009	October 5-6	T06-Tissue Engineering	Oxygen-carrying nanomedicine for bone tissue engineering	Chung-Sung Lee	Summoon Univ.	Korea, Republic of	P-T06-0169	

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152	P06-010	October 5-6	T06-Tissue Engineering	Efficacy for whitlockite for augmenting spinal fusion	suyeon kwon	CHA university	Korea, Republic of	P-T06-0171	Withdraw
153	P06-011	October 5-6	T06-Tissue Engineering	Hyaluronic acid hydrogel with gradient mechanical properties for biomedical engineering	Mina Kwon	School of Chemical Engineering, Pusan National University	Korea, Republic of	P-T06-0198	
154	P06-012	October 5-6	T06-Tissue Engineering	Milk derived protein based scaffold enhanced ectopic and orthotopic bone formation	Min Suk Lee	Dankook University	Korea, Republic of	P-T06-0201	
155	P06-013	October 5-6	T06-Tissue Engineering	Non-destructive measurement of stiffness of tissue-engineered constructs using ultrasound shear wave elastography	Garin Kim	Major of Biomedical Engineering, Division of Smart Healthcare, College of Information Technology and Convergence, Pukyong National University	Korea, Republic of	P-T06-0220	
156	P06-014	October 5-6	T06-Tissue Engineering	Decellularized corneal extracellular matrix scaffold for corneal endothelium regeneration	yejin Song	Biomedical Engineering Research Center, Asan Institute for Life Sciences, Asan Medical Center, Seoul, Korea	Korea, Republic of	P-T06-0291	
157	P06-015	October 5-6	T06-Tissue Engineering	The development of a novel white matter hyperintensity model by mimicking blood-brain barrier-glycocalyx interface using 3D cell printing	Kingston King-Shi Mok	Department of Health Technology and Informatics, The Hong Kong Polytechnic University, Hong Kong S.A.R, China	Hong Kong	P-T06-0331	
158	P06-016	October 5-6	T06-Tissue Engineering	Mussel adhesive protein-based adhesive to retain stem cells for cartilage regeneration	Ji-Yun Ko	Dongguk University	Korea, Republic of	P-T06-0344	
159	P06-017	October 5-6	T06-Tissue Engineering	Biomimetic composite gelatin methacryloyl hydrogels for improving survival and osteogenesis of human adipose derived stem cells in 3D microenvironment	Eunhyung Kim	Hanyang university	Korea, Republic of	P-T06-0358	
160	P06-018	October 5-6	T06-Tissue Engineering	Scaled-up hypertrophic cartilage tissue engineering for bone regeneration applications	Le Quang Bach	Bioprocessing Technology Institute	Singapore	E-T06-0389	
161	P06-019	October 5-6	T06-Tissue Engineering	Label-free 3D analysis of odontogenic differentiation of stem cell spheroids using raman spectroscopy	Chang Dae Kim	Chung-Ang University	Korea, Republic of	P-T06-0399	
162	P06-020	October 5-6	T06-Tissue Engineering	Polymeric composite hydrogel for mimicking mechanochemical microenvironment of cartilage tissue	Anwsha Mukherjee	Department of Biomedical Engineering, Indian Institute of Technology Ropar	India	P-T06-0437	
163	P06-021	October 5-6	T06-Tissue Engineering	Eddie starch-based three-dimensional scaffolds for the construction of millimeter-thick cultured meat	Kannan Badri Narayanan	Yeungnam University	Korea, Republic of	P-T06-0484	
164	P06-022	October 5-6	T06-Tissue Engineering	Engineered tendon nano-constructs for repair of chronic rotator cuff tears in large-animal model	Yonghyun Gwon	Chonnam National University	Korea, Republic of	E-T06-0551	
165	P06-023	October 5-6	T06-Tissue Engineering	Heat and pressure-assisted soft lithography- and plasma-based multiscale structures for soft and hard tissue engineering	Woochan Kim	Chonnam National University	Korea, Republic of	E-T06-0552	
166	P06-024	October 5-6	T06-Tissue Engineering	Differentiation of endogenous stem cells migrated with novel chemoattractant into vascular endothelial cells in hybrid hydrogel	Young Hun Kim	Ajou University	Korea, Republic of	P-T06-0561	
167	P06-025	October 5-6	T06-Tissue Engineering	Wound healing through recruiting stem cell with Substance P loaded electrospun-biomaterials sheet	Shina Kim	Ajou university	Korea, Republic of	P-T06-0567	
168	P06-026	October 7-8	T06-Tissue Engineering	Development of injectable click crosslinked hydrogel formulation containing Substance P analog and BMP-2 mimetic peptide to induce migration and bone formation of stem cell	Hee Eun Kim	Ajou university	Korea, Republic of	P-T06-0569	
169	P06-027	October 7-8	T06-Tissue Engineering	The senolytic drug JQ1 removes senescent cells via ferroptosis	SeokHyeong Go	Seoul National University	Korea, Republic of	P-T06-0592	
170	P06-028	October 7-8	T06-Tissue Engineering	Development of bioreactor system for full-thickness corneal tissue engineering	Changmo Hwang	Univ. Of Ulsan College Of Medicine	Korea, Republic of	P-T06-0605	
171	P06-029	October 7-8	T06-Tissue Engineering	Multimodal therapy strategy based on highly functional hydrogels for the repair of spinal cord injury	Eun Ji Roh	CHA University School of Medicine	Korea, Republic of	P-T06-0619	
172	P06-030	October 7-8	T06-Tissue Engineering	TGF-β-induced transglutaminase-2 triggers catabolic response in osteoarthritis chondrocytes by modulating MMP-13 and collagen II	HEE JUNG PARK	Seoul National University Hospital	Korea, Republic of	P-T06-0628	
173	P06-031	October 7-8	T06-Tissue Engineering	The possibility of vitronectin-derived peptide as a treatment for pulp capping	Choyeon Park	Seoul National university	Korea, Republic of	P-T06-0658	
174	P06-032	October 7-8	T06-Tissue Engineering	Fabrication and evaluation of rhBMP-2 incorporated 3D printed scaffold as a novel bone substitute in calvarial defect mouse model	Yu Ri Hong	Kyungpook National University Hospital	Korea, Republic of	P-T06-0703	
175	P06-033	October 7-8	T06-Tissue Engineering	Changes of characteristics of mouse embryonic fibroblasts according to cryopreservation period for tissue engineering	MinJi Cho	Chungbuk National University	Korea, Republic of	P-T06-0716	
176	P06-034	October 7-8	T06-Tissue Engineering	Optimization of the purification method for skeletal muscle-derived fibroblast	MinJi Cho	Chungbuk National University	Korea, Republic of	P-T06-0717	
177	P06-035	October 7-8	T06-Tissue Engineering	Orchestrating cortical bone formation through engineered microniches	Fahad Soheiloghaddam	School of Chemical Engineering, University of Queensland, St Lucia, QLD, Australia	Australia	O-T06-0798	Withdraw
178	P06-036	October 7-8	T06-Tissue Engineering	Thermoresponsive nanofiber-based microcell scaffolds capable of formation and retrieval of salivary gland stem cell spheroids for the regeneration of irradiation-damaged salivary glands	Su jeong Ahn	Department of Chemical and Biomolecular Engineering, Yonsei University, Seoul, Republic of Korea	Korea, Republic of	P-T06-0816	
179	P06-037	October 7-8	T06-Tissue Engineering	Repair of osteochondral defects with pre-differentiated mesenchymal stem cells of distinct phenotypic character derived from a nanotopographic platform	wu yingnan	Department of Orthopaedic Surgery, YLL SoM, NUS/National University of Singapore Tissue Engineering Program, NUS	Singapore	E-T06-0818	Withdraw
180	P06-038	October 7-8	T06-Tissue Engineering	Wound healing applications of sericin/CMC/MSM incorporated hydrogel	Hyun Lyung Jeong	Innoregen, Inc	Korea, Republic of	P-T06-0831	
181	P06-039	October 7-8	T06-Tissue Engineering	The role of mechanotransduction in tissue remodeling by TGF-β induced fibroblast activation	Inwoo Son	Korea University	Korea, Republic of	P-T06-0835	
182	P06-040	October 7-8	T06-Tissue Engineering	Myoblast alignment and differentiation in tissue-engineered skeletal muscle fiber	Takuya Hattori	Graduate School of Life and Sciences, Doshisha University	Japan	E-T06-0853	
183	P06-041	October 7-8	T06-Tissue Engineering	Role of the catified cartilage layer of an integrated trilayered silk fibrin scaffold used to regenerate osteochondral defects in rabbit knees	Yanhong Zhao	Hospital of Stomatology, Tianjin Medical University	China	O-T06-0857	Withdraw
184	P06-042	October 7-8	T06-Tissue Engineering	Application of developmental signaling regulations in alveolar bone regeneration after the periodontitis	Deuk-Yeon Lee	Kyungpook National University	Korea, Republic of	P-T06-0893	
185	P06-043	October 7-8	T06-Tissue Engineering	Functional evaluation of developmental signaling molecules for dentin regeneration	Moo-Keun Song	Kyungpook National University	Korea, Republic of	P-T06-0894	
186	P06-044	October 7-8	T06-Tissue Engineering	Expression pattern and developmental function of Piezo1 in salivary gland morphogenesis	Elina Pokharel	Kyungpook National University	Korea, Republic of	P-T06-0895	
187	P06-045	October 7-8	T06-Tissue Engineering	Smart piezoelectric nano hybrid scaffold as noninvasively controllable self-powering mechano-electrical stimulator for enhanced bone tissue engineering	Vignesh Krishnamoorthi Kallanagounder	Department of Bionanotechnology and Bioconvergence Engineering, Graduate School, Jeonbuk National University, Jeonju 54896, Republic of Korea	Korea, Republic of	P-T06-0963	
188	P06-046	October 7-8	T06-Tissue Engineering	Using tissue engineering techniques to repair injured cartilage: A developmental biology perspective	MUNIRAH SHA'BAN	INTERNATIONAL ISLAMIC UNIVERSITY MALAYSIA	Malaysia	P-T06-0993	Withdraw
189	P06-047	October 7-8	T06-Tissue Engineering	PTD-BMP2 enhances the wound healing in type 1 diabetic mice	Kyoung-Mi Lee	Yonsei university college of medicine	Korea, Republic of	P-T06-0999	
190	P06-048	October 7-8	T06-Tissue Engineering	Nanotrap-mediated enhanced cell coating on the tubular scaffold for trachea regeneration	Young Ju Son	Seoul National University Hospital	Korea, Republic of	P-T06-1016	
191	P06-049	October 7-8	T06-Tissue Engineering	Polypyrrolone/hyaluronic acid-based salivary gland tissue engineering platform inspired by roles of hyaluronic acid during salivary gland development	Sang-woo Lee	1Department of Physiology, School of Dentistry and Dental Research Institute, Seoul National University	Korea, Republic of	P-T06-1039	
192	P06-050	October 7-8	T06-Tissue Engineering	Biomimetic 3D-bioprinted skin scaffolds for wound healing and regeneration	Viorica Patrula	University of Oxford	United Kingdom	P-T06-1062	
193	P07-001	October 7-8	T07-Enabling Technologies	Microfluidic chips for modeling of outer blood-retina barrier using iPSC derived RPE and endothelial cells	Tea Soon Park	NIH	USA	E-T07-0184	
194	P07-002	October 7-8	T07-Enabling Technologies	Magnetic resonance relaxometry as a tool for tracking induced pluripotent stem cell variability	Daniel Rowby	School of Chemical and Biomedical Engineering, Nanyang Technological University	Singapore	E-T07-0354	
195	P07-003	October 7-8	T07-Enabling Technologies	Natural scaffolds for cultured meat production	Deepak Choudhury	BTI A*STAR	Singapore	P-T07-0372	
196	P07-004	October 7-8	T07-Enabling Technologies	Induced pluripotent stem cell-derived corneal endothelial-like cell therapy for corneal endothelial dysfunction	HUN LEE	Department of Ophthalmology, Asan Medical Center, University of Ulsan College of Medicine	Korea, Republic of	P-T07-0451	
197	P07-005	October 7-8	T07-Enabling Technologies	Improving anti-oxidative resistance of mesenchymal stem cells (MSCs) by priming to quiescent state	Trung Xuan Ngo	Basic Research Division, Roho Pharmaceutical Co., Ltd.	Japan	P-T07-1040	
198	P08-001	October 7-8	T08-Manufacturing and Bioprocess	Label-free detection of residual undifferentiated iPSCs from their differentiated progenitor cells by microfluidic raman spectroscopy	Tan Dai Nguyen	Critical Analytics for Manufacturing of Personalised Medicine Interdisciplinary Research Group, Singapore-MIT Alliance in Research and Technology (SMART)	Singapore	E-T08-0366	
199	P08-002	October 7-8	T08-Manufacturing and Bioprocess	Measurement of critical motions in the medium change process in differentiation culture of retinal pigmented epithelial cells	Sahidaphom Sungwallek	Department of Biotechnology, Graduate School of Engineering, Osaka University	Japan	O-T08-0406	
200	P08-003	October 7-8	T08-Manufacturing and Bioprocess	Outcomes and quality of pancreatic islet cells isolated from surgical specimens for research on diabetes mellitus	Ju Yun Oh	Asan Medical Center	Korea, Republic of	P-T08-0485	
201	P08-004	October 7-8	T08-Manufacturing and Bioprocess	A method for mass production and characterization of human-derived nasal septum cartilage chondrocytes (NCCs) for allogeneic cell therapy products	Jung Ho Jeon	Department of Biomedicine and Health Science, College of Medicine, The Catholic University of Korea	Korea, Republic of	P-T08-0507	

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202	P08-005	October 7-8	T08-Manufacturing and Bioprocess	Effect of ROCK inhibitor on aggregate growth of human induced pluripotent stem cells in suspension culture	Takaki Matsumoto	Department of Biotechnology, Graduate School of Engineering, Osaka University	Japan	O-T08-0664	
203	P08-006	October 7-8	T08-Manufacturing and Bioprocess	Spatio-temporal analysis of phase transitions in corneal epithelial cell sheet using an agent-based model	Junya Kamioka	Department of Biotechnology, Graduate School of Engineering, Osaka University	Japan	O-T08-0665	
204	P08-007	October 7-8	T08-Manufacturing and Bioprocess	Cell-fiber culture system: A powerful platform for scalable expansion of adherent and non-adherent cells	Lucas Trindade	CellFiber Co., Ltd., Tokyo, Japan.	Japan	P-T08-1019	
205	P09-001	October 5-6	T09-Therapeutic Technologies (Preclinical & Clinical Studies)	Long-term clinical efficacy and safety of three-dimensionally printed biomaterial in patients with nasal septal deformities	SeHwan Hwang	Catholic university of Korea	Korea, Republic of	P-T09-0015	
206	P09-002	October 5-6	T09-Therapeutic Technologies (Preclinical & Clinical Studies)	Use of intraluminal nitinol stent to prevent tracheal stenosis in tracheal anastomosis	Tae Ki Lee	Department of Veterinary Surgery, Chungbuk National University	Korea, Republic of	P-T09-0117	
207	P09-003	October 5-6	T09-Therapeutic Technologies (Preclinical & Clinical Studies)	Therapeutic effect of combined mesenchymal stem cells and cartilage acellular matrix injection in a goat's OA model	Mijin Kim	kangstem biotech	Korea, Republic of	P-T09-0213	
208	P09-004	October 5-6	T09-Therapeutic Technologies (Preclinical & Clinical Studies)	Effect of combined treatment with statins and ezetimibe in NASH model: Inhibition of macrophage	JunSuk Lee	Yonsei university wonju college of medicine	Korea, Republic of	P-T09-0253	
209	P09-005	October 5-6	T09-Therapeutic Technologies (Preclinical & Clinical Studies)	Tissue integration patterns of noncrosslinked and crosslinked collagen membranes: An experimental in vivo study	Jongseung Kim	Department of Periodontology, Research Institute of Periodontal Regeneration, Yonsei University College of Dentistry	Korea, Republic of	E-T09-0287	
210	P09-006	October 5-6	T09-Therapeutic Technologies (Preclinical & Clinical Studies)	Long term alveolar bone critical sized defect confirmation for GBR membrane in beagle dogs	Yongsu Byun	KBIOHealth	Korea, Republic of	P-T09-0320	
211	P09-007	October 5-6	T09-Therapeutic Technologies (Preclinical & Clinical Studies)	Conditioned medium of human pluripotent stem cell-derived neural precursor cells exerts neuroprotective and neuroregenerative effects against ischemic stroke model	Ji YONG LEE	Yonsei university wonju college of medicine	Korea, Republic of	P-T09-0323	
212	P09-008	October 5-6	T09-Therapeutic Technologies (Preclinical & Clinical Studies)	In vivo high-resolution flexible electrode array for multi-site recording and stimulation	Joong-Hyun Kim	KBIOHealth	Korea, Republic of	P-T09-0374	
213	P09-009	October 5-6	T09-Therapeutic Technologies (Preclinical & Clinical Studies)	Adipose stem cell with Wharton's jelly has benefit in edema subside and wound healing through enhancement of angiogenesis and lymphangiogenesis in rat tail model	Chih-Hsun Lin	Taipei Veterans General Hospital	Chinese Taipei	E-T09-0376	Withdraw
214	P09-010	October 5-6	T09-Therapeutic Technologies (Preclinical & Clinical Studies)	Staged intra-articular injection of cultured autologous mesenchymal stromal cells provides superior cartilage repair outcomes: a study in caprine model	Hui Yin Nam	1) Tissue Engineering Group, Department of Orthopaedic Surgery (NOCERAL), Faculty of Medicine, Universiti Malaysia, 50603 Kuala Lumpur, Malaysia, 2) Nanotechnology and Catalysis Research Centre	Malaysia	O-T09-0470	Withdraw
215	P09-011	October 5-6	T09-Therapeutic Technologies (Preclinical & Clinical Studies)	Age-related macular degeneration model (AMD) simulated using a biomimetic nanofiber membrane	JEONGHO KIM	KYUNGPOOK NATIONAL UNIVERSITY	Korea, Republic of	P-T09-0479	
216	P09-012	October 5-6	T09-Therapeutic Technologies (Preclinical & Clinical Studies)	Quantum dot-loaded biopolymer-based nanocomposite for skin infection treatment	In Ho Nam	Pohang University of Science and Technology	Korea, Republic of	O-T09-0481	
217	P09-013	October 7-8	T09-Therapeutic Technologies (Preclinical & Clinical Studies)	Effect of aronia extract on the regulation of collagen synthesis in skin cells and skin equivalents	Hwa-Rim Lee	Department of Materials Science & Engineering, Pohang University of Science and Technology (POSTECH)	Korea, Republic of	E-T09-0514	
218	P09-014	October 7-8	T09-Therapeutic Technologies (Preclinical & Clinical Studies)	Effect of oxytocin receptor inhibitor on hard tissue regeneration in dental pulp	Dohyun Kim	Department of Conservative Dentistry, Yonsei University College of Dentistry	Korea, Republic of	P-T09-0596	
219	P09-015	October 7-8	T09-Therapeutic Technologies (Preclinical & Clinical Studies)	Risk of secondary nonhematologic malignancies after allogeneic stem cell transplantation: A nationwide case-control cohort study	Sung-Soo Park	Seoul St. Mary's hospital, Catholic university, Seoul Korea	Korea, Republic of	P-T09-0737	
220	P09-016	October 7-8	T09-Therapeutic Technologies (Preclinical & Clinical Studies)	Destroying multidrug-resistant lung cancer by mitochondrial damage and ATP inhibition using nanoring	Jun-Young Park	Lee Gil Ya Cancer and Diabetes Institute, Gachon University	Korea, Republic of	P-T09-0741	
221	P09-017	October 7-8	T09-Therapeutic Technologies (Preclinical & Clinical Studies)	Polycaprolactone scaffold cell-based nasal implant using 3D printing	EunSoo Park	Soonchunhyang University Bucheon Hospital	Korea, Republic of	P-T09-0826	
222	P09-018	October 7-8	T09-Therapeutic Technologies (Preclinical & Clinical Studies)	Small molecule mediated intervertebral disc repair via regulation of proteoglycan metabolism	Victor Leung	The University of Hong Kong	Hong Kong	E-T09-0861	
223	P09-019	October 7-8	T09-Therapeutic Technologies (Preclinical & Clinical Studies)	Transverse tibial cortex transport surgery: A novel treatment strategy for diabetic ulcers and biological mechanisms	GANG LI	The Chinese University of Hong Kong	China	P-T09-0973	
224	P09-020	October 7-8	T09-Therapeutic Technologies (Preclinical & Clinical Studies)	miR-31-3p functions as a tumor suppressor by directly targeting GABBR2 in prostate cancer	Sujin Choi	CHA University	Korea, Republic of	P-T09-0994	
225	P09-021	October 7-8	T09-Therapeutic Technologies (Preclinical & Clinical Studies)	Plasma and tissue proteomics to identify biomarkers for reduced bone healing capacities in patients comorbid with type 2 diabetes mellitus	Johannes Schmidt	Department of Preclinical Development and Validation, Fraunhofer Institute for Cell Therapy and Immunology IZI	Germany	P-T09-1029	
226	P10-001	October 5-6	T10-Others	3D microenvironment prevents simulated microgravity-mediated changes in T cell transcriptome	Jeremy Teo	NYUAD	United Arab Emirates	P-T10-0170	
227	P10-002	October 5-6	T10-Others	Hyper O-GlcNAcylation facilitates regenerative dentin formation via inflammation modulation	Elina Pokharel	Department of Biochemistry, School of Dentistry, IHBR, Kyungpook National University	Korea, Republic of	P-T10-0286	
228	P10-003	October 5-6	T10-Others	Anti-biofouling, waterproof and insulating encapsulation for bioelectronics with improved longevity and robustness	Sooyoung Hwang	YONSEI UNIVERSITY	Korea, Republic of	P-T10-0378	
229	P10-004	October 5-6	T10-Others	Development of in-situ evaluation system for the surface lubrication function of tissue-engineered cartilage by using surface plasmon resonance	Shin Iteda	Graduate School of Life and Medical Sciences, Doshisha University	Japan	O-T10-0404	
230	P10-005	October 5-6	T10-Others	Concomitance of cartilage degeneration, vessel formation and subchondral bone remodeling in osteoarthritic hip joints	Maryam Tamaddon	University College London	United Kingdom	O-T10-0557	
231	P10-006	October 5-6	T10-Others	Sustained drug delivery of doxorubicin and enhanced anti-cancer efficacy via intra-tumoral injection of in-situ forming click-cross-linked hydrogel	Hyeon Jin Ju	Ajou University	Korea, Republic of	P-T10-0563	
232	P10-007	October 5-6	T10-Others	Treatment of acne vulgaris through electrostatic interaction between adapalene and cationic polycaprolactone emulsifier	Soyeon Lee	Ajou university	Korea, Republic of	P-T10-0570	
233	P10-008	October 5-6	T10-Others	Computational modeling approach to measure cell nucleus elasticity using traction force microscopy	Rakesh Joshi	Korea University	Korea, Republic of	P-T10-0707	
234	P10-009	October 5-6	T10-Others	MicroRNA super-resolution imaging in blood for Alzheimer's disease	Mirae Lee	Gangnam Severance Hospital, Yonsei University College of Medicine	Korea, Republic of	P-T10-0711	Withdraw
235	P10-010	October 7-8	T10-Others	Application of surface plasmon resonance in detection of rectal cancer	Tianyi Chen	University of Chinese Academy of Science	China	P-T10-0749	
236	P10-011	October 7-8	T10-Others	Fabrication of photothermal film for deicing process based on gold nano-aggregate encapsulated yolk-shell structure	Suk Ho Bhang	Sungkyunkwan University	Korea, Republic of	P-T10-0755	
237	P10-012	October 7-8	T10-Others	Development of hybrid skin model to evaluate UV-protective effects	Hiroki Masuhara	Graduate School of Life and Medical Sciences, Doshisha University	Japan	E-T10-0758	
238	P10-013	October 7-8	T10-Others	The anti-tumor effect and mechanism of PDK4 in bladder cancer.	Eun Hye Lee	Kyungpook National University	Korea, Republic of	P-T10-0761	
239	P10-014	October 7-8	T10-Others	Time-series correlation multivariate algorithm model to improve the accuracy of continuous glucose monitoring	Tianyi Sun	University of Chinese Academy of Sciences	China	P-T10-0766	
240	P10-015	October 7-8	T10-Others	Suppression of cancer cell migration by TGFβ activated fibroblasts in a co culture model of the tumor microenvironment	Ana Rita Moraes Pires Dos Santos	Korea University	Korea, Republic of	P-T10-0810	
241	P10-016	October 7-8	T10-Others	Submicron-structure surface chip apply in early cancer screening by surface plasmon resonance	Jialin Xin	University of Chinese Academy of Science	China	P-T10-0825	
242	P10-017	October 7-8	T10-Others	Effect of vaginal sildenafil on the regeneration of refractory thin endometrium in thawed embryo transfer cycles: A case series	Sunyoung Kim	Seoul National University Hospital	Korea, Republic of	P-T10-0975	
243	P10-018	October 7-8	T10-Others	Multifunctional synthetic nanoenzyme embedded colorimetric paper biosensor for rapid detection of hydrogen peroxide	Jagannath Mondal	Korea National University of Transportation	Korea, Republic of	P-T10-1037	