

# TERMIS-AP 2022

SYSIS POSTER PRESENTATIONS | Lobby, 5F, ICC Jeju

No.	Presentation Info.		Abstract Info.		Presenter's Info.			Submission No.	Remarks
	Presentation No.	Presentation Date	Topic	Title	Name	Affiliation	Country		
1	PS01-001	October 5-6	T01-Tissue regeneration	The influence of fine dust in DEPs –inhalated diabetic wound models	Young Suk Choi	SoonChunHyang University	Korea, Republic of	O-T01-0035	
2	PS01-002	October 5-6	T01-Tissue regeneration	The effect of wound healing lead material using a streptozotocin-induced diabetic rat model exposed to fine dust	Hyemin An	SoonChunHyang University	Korea, Republic of	O-T01-0036	
3	PS01-003	October 5-6	T01-Tissue regeneration	Effect of electric muscle stimulation on the improvement of deltoid muscle atrophy	Jeongkun Lee	Konkuk University	Korea, Republic of	P-T01-0037	
4	PS01-004	October 5-6	T01-Tissue regeneration	Targeted delivery of apoptotic cell-derived nanovesicles prevents cardiac remodeling and attenuates cardiac function exacerbation	Ju-Ro Lee	Korea Institute of Science and Technology	Korea, Republic of	P-T01-0092	
5	PS01-005	October 5-6	T01-Tissue regeneration	Effective delivery of osteoinductive composite-spheroids laden hydrogel for bone tissue engineering	Eunjin Lee	Department of Bioengineering, Hanyang University	Korea, Republic of	P-T01-0105	
6	PS01-006	October 5-6	T01-Tissue regeneration	Inhibitory effect of ginseng derived extracellular nanovesicles on osteoclast differentiation	Ji Hye Yoo	Department of Biomedical Science and Technology, Graduate School, Kyung Hee University	Korea, Republic of	O-T01-0121	
7	PS01-007	October 5-6	T01-Tissue regeneration	Fabrication of spheroids using hydrogels with self-assembly system and bioreactor	Seung Yeon Lee	Department of Biomedical Science and Technology, Graduate School, Kyung Hee University	Korea, Republic of	O-T01-0128	
8	PS01-008	October 5-6	T01-Tissue regeneration	Multi-functional membrane with bioactive layer and anti-adhesion layer for tendon regeneration	Seung Hyeon Cho	Dankook University	Korea, Republic of	P-T01-0130	
9	PS01-009	October 5-6	T01-Tissue regeneration	Development of PCL-based 3D printing scaffold with unique morphology for bone regeneration	Min Ji Kim	Dankook University	Korea, Republic of	P-T01-0131	
10	PS01-010	October 5-6	T01-Tissue regeneration	Development of blood plasma-immobilized porous film with leaf-stacked structure as a hemostatic agent	Ye jin Song	Dankook University	Korea, Republic of	P-T01-0132	
11	PS01-011	October 5-6	T01-Tissue regeneration	Fabrication and characterization of cell spheroid system containing porous microparticles	Jae Seok Park	Dankook University	Korea, Republic of	P-T01-0133	
12	PS01-012	October 5-6	T01-Tissue regeneration	Development of bi-layer GBR membrane for simultaneous regeneration of bone and epithelium	Han Byeol Kim	Dankook University	Korea, Republic of	P-T01-0134	
13	PS01-013	October 5-6	T01-Tissue regeneration	PMMA-based bone cement to prevent adjacent vertebral fractures after vertebroplasty	ShinYoung PARK	Dankook university	Korea, Republic of	P-T01-0135	
14	PS01-014	October 5-6	T01-Tissue regeneration	Temperature sensitive polymer hydrogel patch with controllable release system for skin tissue regeneration	Jae Hwan Choi	Department of Biomedical Science and Technology, Graduate School, Kyung Hee University	Korea, Republic of	O-T01-0146	
15	PS01-015	October 5-6	T01-Tissue regeneration	Vascular perfusion enabled by microchannel network in ischemic disease model using hydrogel with three-dimensional microtubular structures	Hye-Jeong Jang	Chung-Ang University	Korea, Republic of	P-T01-0160	
16	PS01-016	October 5-6	T01-Tissue regeneration	Tailoring the bioactivity of a cell-derived extracellular matrix (ECM)-based material to exhibit superior pro-angiogenic and osteogenic properties	Lih Ying SHIN	Institute for Tissue Engineering and Regenerative Medicine, The Chinese University of Hong Kong	Hong Kong	P-T01-0165	
17	PS01-017	October 5-6	T01-Tissue regeneration	Mesenchymal stromal cell exosomes modulate macrophage activities to promote joint repair in osteoarthritis	Kristeen Ye Wen Teo	Faculty of Dentistry, National University of Singapore	Singapore	E-T01-0176	
18	PS01-018	October 5-6	T01-Tissue regeneration	Enhancement of muscle tissue regeneration supplemented with bioactive components	Hanjun Hwangbo	Sungkyunkwan university	Korea, Republic of	E-T01-0248	
19	PS01-019	October 5-6	T01-Tissue regeneration	The bone regenerative potential of RANTES/CCL5 in the calvarial defects of rat	Chang sung Kim	1. Department of Periodontology, Research Institute for Periodontal Regeneration, College of Dentistry, Yonsei University, 2 Department of Periodontology, Oral science research center, College of Dentistry,	Korea, Republic of	P-T01-0256	
20	PS01-020	October 5-6	T01-Tissue regeneration	Aligned alginate based cell-laden nanofibrous produced by cell electrospinning for corneal stromal regeneration	SuHyek Lee	Sungkyunkwan University	Korea, Republic of	E-T01-0257	
21	PS01-022	October 5-6	T01-Tissue regeneration	Fabrication of mechanically reinforced alginate/PCL scaffolds for hard tissue engineering	MoHan Pei	Sungkyunkwan University	Korea, Republic of	E-T01-0276	
22	PS01-023	October 5-6	T01-Tissue regeneration	Novel concept of guided bone (regeneration GBR) using collagen membrane with rhBMP-2	Narae Jung	Yonsei Univ	Korea, Republic of	P-T01-0338	
23	PS01-024	October 5-6	T01-Tissue regeneration	Therapeutic potential of multiple cycles collection of conditioned medium from different cell sources on wound healing model: In vitro study	Nur Izzah Md Fadilah	Centre for Tissue Engineering and Regenerative Medicine, Faculty of Medicine, Universiti Kebangsaan Malaysia	Malaysia	O-T01-0373	
24	PS01-025	October 5-6	T01-Tissue regeneration	A biphasic construct for osteochondral complex using modified transwell model	Chengchong Ai	National University of Singapore	Singapore	E-T01-0379	
25	PS01-026	October 5-6	T01-Tissue regeneration	Effects of (glycosaminoglycan GAG) content in donor cartilage extracellular matrix on the functional properties of osteochondral allograft evaluated by $\mu$ CT non-destructive analysis	YONGJUN JIN	Department of Orthopedic Surgery, School of Medicine, Ajou University	Korea, Republic of	P-T01-0392	
26	PS01-027	October 5-6	T01-Tissue regeneration	A transplantable pre-vascularized tissue platform by using a multi-material microfluidic 3D bioprinting method	Donghwan Kim	POSTECH, Pohang, Gyeongbuk, 37666, Republic of Korea	Korea, Republic of	O-T01-0409	
27	PS01-028	October 5-6	T01-Tissue regeneration	Exosome-encapsulating tissue-adhesive patch for diabetic wound regeneration	Seung Yeop Han	Department of Biotechnology, Yonsei University, 03722 Seodaemun-gu, Seoul, Republic of Korea	Korea, Republic of	P-T01-0423	
28	PS01-029	October 7-8	T01-Tissue regeneration	Fabrication of a cell-aggregates loaded hepatic tissue via cell-printing system	WonJin Kim	Sungkyunkwan University	Korea, Republic of	P-T01-0425	
29	PS01-030	October 7-8	T01-Tissue regeneration	Gelatin incorporation in VEGF-loaded PVA-Tyramine hydrogels to enhance cellular interaction and vascular infiltration	Alessia Longoni	University of Otago	New Zealand	O-T01-0434	
30	PS01-031	October 7-8	T01-Tissue regeneration	Microfluidic chip development for vascularized bone marrow niche	Seoyeon Kim	Seoul National University, Korea National University of Transportation	Korea, Republic of	P-T01-0438	
31	PS01-032	October 7-8	T01-Tissue regeneration	Polycaprolactone/gelatin/polydeoxyribonucleotides nanofiber for wound healing application	Tae-Hee Kim	Pukyong National University	Korea, Republic of	O-T01-0440	
32	PS01-033	October 7-8	T01-Tissue regeneration	Triple cross-linked methacrylate kappa-carrageenan/poly(vinyl alcohol)/chitoalginate hydrogel wound dressing hydrogel for wound healing application	Nam-Gyun Kim	Pukyong national university	Korea, Republic of	P-T01-0459	
33	PS01-034	October 7-8	T01-Tissue regeneration	Topographical regulation for local bone regeneration in type 1 diabetes mellitus: In-vivo	MIN GUK KIM	Department of Dental Biomaterials, School of Dentistry, Kyungpook National University	Korea, Republic of	O-T01-0468	
34	PS01-035	October 7-8	T01-Tissue regeneration	The effect of nanohydroxyapatite incorporated with micro RNA 21 in regulating osteogenesis	Reva Subramaniam	University Kebangsaan Malaysia	Malaysia	O-T01-0524	
35	PS01-036	October 7-8	T01-Tissue regeneration	Anti-senescence ion-delivering nanocarrier for recovering therapeutic properties of long-term-cultured human adipose-derived stem cells	Yeong Hwan Kim	Sungkyunkwan University	Korea, Republic of	O-T01-0538	
36	PS01-037	October 7-8	T01-Tissue regeneration	Mesenchymal stem cell and hydrogel treatment of oral ulcer	Hyun Seok Ryu	Interdisciplinary Program for Medical Laser, College of Medicine, Dankook University	Korea, Republic of	P-T01-0559	
37	PS01-038	October 7-8	T01-Tissue regeneration	Salivary gland stem cell-derived exosomes produced by a Wnt-loaded microwell culture accelerates the recovery from salivary gland dysfunction in murine salivary gland damage models	Jae-Min Cho	Department of Otorhinolaryngology, Gangnam Severance Hospital, Yonsei University College of Medicine	Korea, Republic of	P-T01-0560	
38	PS01-039	October 7-8	T01-Tissue regeneration	Secretome of human fetal cartilage progenitor cells as potential treatment agent for testosterone-induced hair loss	Ngoc-Trinh Tran	Department of Molecular Science and Technology, Ajou University, Suwon	Korea, Republic of	P-T01-0579	
39	PS01-040	October 7-8	T01-Tissue regeneration	Matrilin3/TGF $\beta$ 3 gelatin microparticles promote chondrogenesis, prevent hypertrophy, and induce paracrine release in MSC spheroid for disc regeneration	Alvin Bello	Dongguk University	Korea, Republic of	O-T01-0657	
40	PS01-041	October 7-8	T01-Tissue regeneration	Alginate patch containing extracellular matrix effectively delivers mesenchymal stem cell-derived secretomes for advanced skin wound healing	Jae Won Kwon	Korea Institute of Science and Technology	Korea, Republic of	P-T01-0672	
41	PS01-042	October 7-8	T01-Tissue regeneration	Thermosensitive copolymer coated and redox-induced dissolvable microsphere for efficient cell harvesting during 3D cell culturing	Shun-Hao Chuang	National Taiwan University of Science and Technology	Chinese Taipei	P-T01-0723	
42	PS01-043	October 7-8	T01-Tissue regeneration	Engineered silk protein-based core-shell electrospun immunomodulatory fibrous scaffold for tissue regeneration with angiogenesis	Mercyjayapriya Jebakumar	CSIR - Central Leather Research Institute, Academy of Scientific and Innovative Research (AcSIR), Ghaziabad-201002, India	India	E-T01-0725	
43	PS01-044	October 7-8	T01-Tissue regeneration	The effect of macromolecular crowding on decellularized graft mediated mesenchymal stromal cell delivery for treatment of wounds	Shanshan Du	Science Foundation Ireland (SFI) Centre for Research in Medical Devices (CURAM), Biomedical Sciences Building, National University of Ireland Galway (NUI Galway)	Ireland	E-T01-0788	
44	PS01-045	October 7-8	T01-Tissue regeneration	Novel implantable, wireless electricity auto-generating patch accelerates the wound healing process by modulating mechanosensitive ion channels	Yu-Meng Li	Institute of Tissue Regeneration Engineering (ITREN), Dankook University, South Korea; Department of Nanobiomedical Science & BK21 PLUS NBM Global Research Center for Regenerative	Korea, Republic of	P-T01-0796	
45	PS01-046	October 7-8	T01-Tissue regeneration	Therapeutic nanoglass paste as a drug-free platform for the regeneration of bacteria-infected hard tissues	Amal George Kurian	Institute of Tissue Regeneration Engineering (ITREN), Dankook University, Cheonan, 31116, Republic of Korea, Department of Nanobiomedical Science and BK21 PLUS NBM Global Research	Korea, Republic of	O-T01-0809	
46	PS01-047	October 7-8	T01-Tissue regeneration	Cobalt doped silica microcarrier with action of promoting angiogenesis and bactericidal potential through dual-ion delivery	Oyunchimeg Bayaraa	1 Institute of Tissue Regeneration Engineering (ITREN), Dankook University, South Korea; 2 Department of Nanobiomedical Science & BK21 PLUS NBM Global Research Center for Regenerative	Korea, Republic of	P-T01-0814	
47	PS01-048	October 7-8	T01-Tissue regeneration	Floating electrode-dielectric barrier discharge-based plasma can accelerate skin regeneration in a full-thickness skin defect mouse model	Jiwon Son	Soonchunhyang Institute of Medi-bio Science (SIMS), Soonchunhyang University	Korea, Republic of	O-T01-0817	
48	PS01-049	October 7-8	T01-Tissue regeneration	Elucidating the role of cell surface free thiol groups in myogenic differentiation of skeletal muscle progenitor cells by mild reduction of cell surface	Juyeon Kim	Soonchunhyang Institute of Medi-bio Science (SIMS)	Korea, Republic of	P-T01-0866	
49	PS01-050	October 7-8	T01-Tissue regeneration	The multiple deliveries of bioactive ions and growth factor with antibacterial/angiogenic and osteogenic/odontogenic capacity of nano-therapeutic particles for regeneration of degenerated/infected tissue by bacteria	Nandin Mandakhbayar	Dankook University, ITREN	Korea, Republic of	P-T01-0933	
50	PS01-051	October 7-8	T01-Tissue regeneration	Effects of enamel matrix derivative on the cellular viability and differentiation potential of cell spheroids composed of gingiva-derived stem cells	Somyeong Hwa	Department of Periodontics, College of Medicine, The Catholic University of Korea	Korea, Republic of	P-T01-0968	

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51	PS01-052	October 7-8	T01-Tissue regeneration	Enhanced wound healing with decellularized amniotic membrane hydrogels by supercritical CO2 process	Seongyeol Ye	Center for Biomaterials, Biomedical Research Institute, Korea Institute of Science and Technology, Seoul 02792, Republic of Korea	Korea, Republic of	P-T01-1026	
52	PS01-053	October 7-8	T01-Tissue regeneration	The effect of hFC-MSCs on the induces bone formation by notch signaling	Jaemin Lee	Department of Biomedical Science, CHA University, Gyeonggi-do 13488	Korea, Republic of	P-T01-1048	
53	PS01-054	October 7-8	T01-Tissue regeneration	Thiolated mesoporous silica nanoparticles for the treatment of oxidative stress-associated osteoporosis	Nahida Rasool Dar	Indian Institute of Technology Ropar	India	P-T01-1051	
54	PS01-055	October 7-8	T01-Tissue regeneration	Wound healing effects of extremely low-frequency electromagnetic fields through activation and differentiation of stem cells	Ju-Hye Choi	Department of Medical Biotechnology, Dongguk University	Korea, Republic of	P-T01-1053	
55	PS02-001	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Dendritic cell-derived nanovesicles for targeted delivery of immune checkpoint inhibitors to improve therapeutic efficacy and prevent side effects	Mungyo Jung	Seoul National University	Korea, Republic of	O-T02-0028	
56	PS02-002	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Human hair keratin gradient hydrogels for skin regeneration	Marin Zhen Lin Yee	School of Materials Science and Engineering, Nanyang Technological University (Singapore), Institute for Health Technologies, Interdisciplinary Graduate Programme, Nanyang	Singapore	E-T02-0029	
57	PS02-003	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Double layered titanium-chitosan based scaffolds for regenerative bone techniques	Neelam Iqbal	School of Chemical and Processing Engineering, Engineering Building, University of Leeds	United Kingdom	P-T02-0055	Withdraw
58	PS02-004	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Challenges in mixing of multiple components in nanocomposite bioink for 3D bioprinting	SHIVA TAHERI	Convergence Institute of Biomedical Engineering and Biomaterials, Seoul National University of Science and Technology, Seoul 01811	Korea, Republic of	P-T02-0062	
59	PS02-005	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Even tissue formation by uniform cell distribution during 3D bioprinting	MST Rita Khatun	Department of Chemical and Biomolecular Engineering, Seoul National University of Science and Technology, Seoul 01811	Korea, Republic of	P-T02-0063	
60	PS02-006	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Kombucha-cultured nanocellulose for 3D bioprinting	Amitava Bhattacharyya	1 Department of Chemical and Biomolecular Engineering, Seoul National University of Science and Technology, Seoul 01811/2. Convergence Institute of Biomedical Engineering and Biomaterials,	Korea, Republic of	P-T02-0064	
61	PS02-007	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Isolation of colon cancer cells using membrane filtration method	Zhe-Wei Zhu	National Central University	Chinese Taipei	O-T02-0089	
62	PS02-008	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Photo-crosslinked gelatin-methacryloyl hydrogel strengthened with in situ formed nanoparticles for regeneration of rabbit calvarial defects	Da-Na Lee	Department of Periodontology, Research Institute for Periodontal Regeneration, Yonsei University College of Dentistry	Korea, Republic of	P-T02-0109	
63	PS02-009	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Fabrication of cell scaffold capable of sustained oxygen release by hydroxyapatite formation on calcium peroxide	Daisuke Tomioka	Osaka University	Japan	O-T02-0115	
64	PS02-010	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Three-dimensionally printed biphasic calcium phosphate blocks with different pore diameters for regeneration in rabbit calvarial defects	Young-Wook Seo	Department of periodontology, Research institute of periodontal regeneration, Yonsei University College of Dentistry, Seoul, Korea	Korea, Republic of	P-T02-0126	
65	PS02-011	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Design and fabrication of bone scaffolds with the auxetic structure	Masoud Shirzad	Industry 4.0 Convergence Bionics Engineering, Pukyong National University	Korea, Republic of	P-T02-0155	
66	PS02-012	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Cell laden gelatin hydrogel with carbodiimide or genipin-crosslinked for glottic insufficiency: An in vitro study	Wan Chiew Ng	Department of Otorhinolaryngology-Head and Neck Surgery, Universiti Kebangsaan Malaysia	Malaysia	O-T02-0173	
67	PS02-013	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Application of bacterial cellulose membrane in cancer cell isolation	Yin-Tzu Chen	Department of Biomedical Engineering, National Taiwan University	Chinese Taipei	P-T02-0180	
68	PS02-014	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Cytocompatibility of corneal cells towards ovine collagen type 1 hydrogel	Nur Amalia Ra'oh	Department of Ophthalmology, Faculty of Medicine, National University Malaysia, 56000, Cheras, Kuala Lumpur, Malaysia.	Malaysia	E-T02-0181	
69	PS02-015	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Design, fabrication, and assessment of a robust modified-honeycomb-structure scaffold with enhanced interconnectivity for bone tissue engineering	Rigoberto Lopez Reyes	Mechabiogroup, Wonkwang University	Korea, Republic of	P-T02-0189	
70	PS02-016	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Bioinspired peptide hydrogels for controlled delivery of viral vectors to reprogram endogenous reactive astrocytes to neurons in acquired brain injury	Negar Mahmoudi	ACRF Department of Cancer Biology and Therapeutics, The John Curtin School of Medical Research, ANU College of Health & Medicine, Australia	Australia	E-T02-0194	
71	PS02-017	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Development and evaluation of freeze dried and electrospun scaffolds from chitosan, gelatin and nano ceramic phosphate for bone tissue engineering	Yogendra Pratap Singh	National Institute of Technology Rourkela, India	India	E-T02-0219	
72	PS02-018	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Investigation of the potential for osteochondral tissue regeneration via a novel biphasic 3D printed silk reinforced scaffold	Thomas Braxton	Biomaterials and Tissue Engineering Group, Dept. of Oral Biology, University of Leeds	United Kingdom	P-T02-0223	
73	PS02-019	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	A novel biofabrication process to generate vascularised 3D bioprinted constructs to support islet transplantation for the treatment of type 1 diabetes	Anna Kulaga	University of Wollongong	Australia	E-T02-0234	
74	PS02-020	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	3D printed natural hydroxyapatite-embedded titanium implants promoting osseointegration	Juo Lee	Sunchon National Univ	Korea, Republic of	P-T02-0238	
75	PS02-021	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Development of 3D printable calcium phosphate cement based on cockle shell powder/ $\beta$ -TCP	Eunbee Cho	Sunchon National University	Korea, Republic of	P-T02-0239	
76	PS02-022	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Natural killer cell membrane coated gold nanoparticles for cell membrane immunotherapy	Seojeong Yun	Dongguk university	Korea, Republic of	O-T02-0245	
77	PS02-023	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	The fabrication of highly porous cell-laden structure	JUN LEE	Sungkyunkwan university	Korea, Republic of	E-T02-0247	
78	PS02-024	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Collagen-based bioink for 3D bioprinting to obtain mechanically enhanced porous 3D cell-laden structure	YoungWon Koo	Sungkyunkwan University	Korea, Republic of	E-T02-0249	
79	PS02-025	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Fabrication of 3D cell-constructs using photocrosslinkable bioink	SooJung Chae	Sungkyunkwan University	Korea, Republic of	E-T02-0258	
80	PS02-026	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Development of a novel hemostatic biomaterial using keratin-conjugated fibrinogen for oral tissue regeneration	HYEON JEONG KANG	School of Dentistry, Kyung Hee University	Korea, Republic of	P-T02-0261	
81	PS02-027	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Topical bioadhesive hemostatic agents for bleeding site care at visceral surgeries	Jaeyun Lee	Department of Chemical Engineering, Pohang University of Science and Engineering	Korea, Republic of	O-T02-0265	
82	PS02-028	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Application of cartilage extracellular matrix for enhancing the therapeutic efficacy of rheumatoid arthritis drug	JeongWoo Seo	Pukyong National University	Korea, Republic of	P-T02-0266	
83	PS02-029	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Functional skeletal muscle regeneration using muscle mimetic tissue fabricated by microvalve-assisted coaxial 3D bioprinting	Hanna Lee	Nano-Bio Regenerative Medical Institute, College of Medicine, Hallym University, and Hallymdaehak-gil, Chuncheon, Gangwon-do 24252, Republic of Korea	Korea, Republic of	P-T02-0267	
84	PS02-030	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Double layered conductive nanoparticles for bioelectronics surface using mussel-derived protein	Hyun Tack Woo	Department of Chemical Engineering, Pohang University of Science and Technology	Korea, Republic of	P-T02-0268	
85	PS02-031	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Hybrid bio 3D printing technology using photocurable bio ink / poly-caprolactone for cartilage regeneration	Ji Won Heo	Nano-Bio Regenerative Medical Institute, College of Medicine, Hallym University, 1 Hallymdaehak-gil, Chuncheon, Gangwon-do 24252, Republic of Korea	Korea, Republic of	E-T02-0272	
86	PS02-032	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Fabrication of graphene oxide composite ultra-strong stretchable hydrogel with high conductivity and biocompatibility	ojun Kwon	Hallym University	Korea, Republic of	E-T02-0278	
87	PS02-033	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	3D printed fish-derived extracellular matrix scaffolds for bone tissue engineering	SeoYul Jo	sungkyunkwan university	Korea, Republic of	E-T02-0283	
88	PS02-034	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Fabrication and characterization of a myrrh hydrocolloid dressing for dermal wound healing	Jang Min Kim	Hallym University	Korea, Republic of	E-T02-0284	
89	PS02-035	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Multi-functional microwell array platform for spontaneous glioblastoma spheroid formation and anticancer drug screening	Fu-Nan Ju	School of Integrative Engineering, Chung-Ang University	China	P-T02-0292	
90	PS02-036	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Matrix stiffness dependent nuclear transport of STAT6 determines M2 activation of macrophages	Jeong-Ki Kim	Korea University	Korea, Republic of	E-T02-0294	
91	PS02-037	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Effect of silk fibroin/ nano-hydroxyapatite composite on immune responses	Kallista Wong	National University of Singapore	Singapore	P-T02-0303	
92	PS02-038	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Sprayable Ti3C2 MXene hydrogel for wound healing and skin cancer therapy	Hyeong taek Park	Department of IT Convergence (Brain Korea Plus 21), Korea National University of Transportation, Chungju, 27469, Republic of Korea	Korea, Republic of	P-T02-0322	
93	PS02-039	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	3D bioprinting LEGO system to construct large 3D-tissues with complex property	Michiya Matsusaki	Division of Applied Chemistry, Graduate School of Engineering, Osaka University, Japan	Japan	O-T02-0324	
94	PS02-040	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Nanofilms constructed by cation-dipole interaction to prevent cell migration for cell compartmentalization in 3D tissues	Jinfeng Zeng	Department of Applied Chemistry, Graduate School of Engineering, Osaka University	Japan	O-T02-0326	
95	PS02-041	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	SUN1-mediated nuclear tension determines nuclear wrinkling in progerin expressing cells	Juhyeon Jo	Korea University	Korea, Republic of	P-T02-0332	
96	PS02-042	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Development of elastin-like protein derived from the domain of human elastin	Seung Kyeum Cho	Division Interdisciplinary Bioscience and Bioengineering, Pohang University of Science and Technology	Korea, Republic of	O-T02-0343	
97	PS02-043	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Cellulose-based tissue adhesive hydrogels for hemostatic application	Jihoon Jeon	Yonsei University	Korea, Republic of	P-T02-0345	
98	PS02-044	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Fabrication of perfusable and free-form in vitro vascular model using a coaxial nozzle	Min-Gyun Kim	Department of Rural and Biosystems Engineering, College of Agriculture and Life Sciences, Chonnam National University	Korea, Republic of	P-T02-0350	
99	PS02-045	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Neurotransmitter-modified fibrous artificial 3D constructs for effective muscle regeneration	Kyoungryong Kim	Sungkyunkwan University	Korea, Republic of	P-T02-0368	
100	PS02-046	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Self-assembly small diameter vasculature via dragging 3D printing technique	Jae-Seok Kim	Wonkwang University	Korea, Republic of	P-T02-0377	

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No.	Presentation Info.		Abstract Info.		Presenter's Info.			Submission No.	Remarks
	Presentation No.	Presentation Date	Topic	Title	Name	Affiliation	Country		
101	PS02-047	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Development of a simple multi-functional unidirectional freezing platform to engineer aligned scaffolds for tissue engineering	Habib Joukhdar	Graduate School of Biomedical Engineering, University of New South Wales	Australia	O-T02-0387	
102	PS02-048	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Selective modulation of single cell migration via double-strand DNA rupture force	Seong-Beom Han	Korea University	Korea, Republic of	P-T02-0393	
103	PS02-049	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Fabrication and characterisation of hybrid nanocollagen- gelatin thermoresponsive hydrogel for skin tissue engineering application	Samantha Lo	Center for Tissue Engineering and Regenerative Medicine, The National University of Malaysia (Universiti Kebangsaan Malaysia)	Malaysia	E-T02-0410	
104	PS02-050	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Decellularised human umbilical arteries: exploring its potential as a readily available off-the-shelf coronary graft	Jun Wei Heng	Universiti Kebangsaan Malaysia	Malaysia	E-T02-0414	
105	PS02-051	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Dermal extracellular matrix-derived nanoparticles improve the biological relevance of gelatine bioinks for future wound healing applications	Ali Smandri	Centre For Tissue Engineering and Regenerative Medicine, Faculty of Medicine, Universiti Kebangsaan Malaysia, Cheras, Kuala Lumpur, 56000	Malaysia	O-T02-0418	
106	PS02-052	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	The development of multifunctional nerve guidance conduit using milk derived protein for peripheral nerve regeneration	Jin Jeon	Department of Nanobiomedical Science & BK21 FOUR NBM Global Research Center for Regenerative Medicine, Dankook University, Cheonan, 31116, Republic of Korea and Center for Bio-Medical	Korea, Republic of	O-T02-0421	
107	PS02-053	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Hydroxy-conjugated bifacial scaffolds for localized drug delivery system	Yongwook Son	Yonsei Univ.	Korea, Republic of	P-T02-0422	
108	PS02-054	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Engineering autologous vascularized thrombus implants for enhancing cutaneous wound healing	Su Hyun Jung	UNIST (Ulsan National Institute of Science and Technology)	Korea, Republic of	E-T02-0428	
109	PS02-055	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Fabrication of phycocyanin based fibrous membrane coated fish collagen for bone regeneration	Se-Chang Kim	Pukyong National University	Korea, Republic of	O-T02-0436	
110	PS02-056	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	A bio-adhesive hyaluronic acid hydrogel for pH-versatile biomedical applications	Soochan An	Department of Biotechnology, Yonsei University, Seoul, Republic of Korea	Korea, Republic of	P-T02-0439	
111	PS02-057	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Acellular matrix film incorporating phlorotannins from <i>Ecklonia cava</i> suppressed post-implantation inflammatory responses	Tae-Hee Kim	Pukyong National University	Korea, Republic of	P-T02-0443	
112	PS02-058	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Fish collagen/PCL nanofibrous scaffolds with cross-linked chitoalgosaccharides for full-thickness wound healing	Dong-Joo Park	Pukyong National University	Korea, Republic of	P-T02-0446	
113	PS02-059	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Ovine collagen type-I (OTC-I) biomatrix integrated with antibacterial coating for rapid treatment in diabetic wound care management	Nor Amirah Ibrahim	Centre for Tissue Engineering and Regenerative Medicine, Universiti Kebangsaan Malaysia	Malaysia	O-T02-0447	
114	PS02-060	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Fabrication of antioxidant and anti-inflammatory hydrogel based on fish skin gelatin/oxidized hyaluronate for accelerated wound healing	Dong-Joo Park	Pukyong National University	Korea, Republic of	P-T02-0448	
115	PS02-061	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Fabrication of injectable iron(III) crosslinked hyaluronic acid/pectin hydrogel with antimicrobial activities	Nam-Gyun Kim	Pukyong National University	Korea, Republic of	P-T02-0454	
116	PS02-062	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Characterisation of native tissue and development of multiphasic scaffolds for engineering of bone-ligament interface	Ilayda Karadag	University of Oxford	United Kingdom	E-T02-0457	
117	PS02-063	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Decellularized plant and fungal-based scaffolds for the <i>in vitro</i> production of bovine meat	Hyunjin Kim	Yeungnam University	Korea, Republic of	P-T02-0458	
118	PS02-064	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	3D bioprinting of islet-like aggregates using dual-crosslinked hydrogel with promoted biofunctionality and enhanced shape stability	Yeongwon Jo	Pohang University of Science and Technology (POSTECH)	Korea, Republic of	O-T02-0462	
119	PS02-065	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Dual controlled photocrosslinkable and photodegradable gelatin-based hydrogel	MIN CHUN TSAI	Department of Materials Science and Engineering, National Tsing Hua University	Chinese Taipei	O-T02-0464	
120	PS02-066	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	<i>In situ</i> forming and copper-containing hydrogel as a controlled nitric oxide-releasing scaffold for tissue engineering	Simin Lee	Department of Molecular Science and Technology, Ajou University, Suwon 16499, Republic of Korea ("kdp@ajou.ac.kr)	Korea, Republic of	P-T02-0469	
121	PS02-067	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	3D printing of biohybrid electrical stimulation platform to promote insulin secretion of pancreatic $\beta$ cell	Jihwan Kim	POSTECH, Pohang, Gyeongbuk, South Korea	Korea, Republic of	O-T02-0472	
122	PS02-068	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Enzyme-based on-demand photo-cross-linkable hydrogel for image-guided vascular embolization	Han Jungmin	Donga Univ	Korea, Republic of	P-T02-0473	
123	PS02-069	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Development of light-blocking nanofiber membrane for a three-dimensional <i>in vitro</i> angiogenesis model capable of real-time selective imaging	Byeong-Ung Park	Kyungpook national university	Korea, Republic of	P-T02-0474	
124	PS02-070	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Development of silk-based cultured meat scaffold with aligned fibrous texture	Xuan Hao Tan	National University of Singapore	Singapore	E-T02-0476	
125	PS02-071	October 5-6	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Harnessing the <i>in vivo</i> inflammatory response for tissue engineering	Li Yenn Yong	University of Manchester	United Kingdom	E-T02-0483	
126	PS02-072	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	3D chondrogenic differentiation of human stem cells in reprogramming factor-based injectable hydrogel for cartilage tissue engineering	Sumi Choi	Dong-A University	Korea, Republic of	P-T02-0489	
127	PS02-073	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Natural-origin injectable hydrogel for acellular skin wound treatment	Nike Utami	Universiti Kebangsaan Malaysia	Malaysia	E-T02-0491	
128	PS02-074	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Transplantation of the cultured human corneal endothelial cells with decellularized extracellular matrix in the corneal endothelial dysfunction rabbit model	Hun Lee	Department of Ophthalmology, Asan Medical Center, University of Ulsan College of Medicine	Korea, Republic of	P-T02-0494	
129	PS02-075	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Bio-adhesive complex coacervate-mediated localized AAV delivery	Hyun-Woo Park	Yonsei University, South Korea	Korea, Republic of	P-T02-0500	
130	PS02-076	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Thiol-ene clickable silk fibroin bio-ink for digital light processing bio-printing	Xuan Hao Tan	National University of Singapore	Singapore	E-T02-0505	
131	PS02-077	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Biomaterials text mining: A comparative study of methods on the biocompatible polymer polydioxanone	Carla Veronica Fuenteslopez	Institute of Biomedical Engineering, University of Oxford	United Kingdom	E-T02-0506	
132	PS02-078	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Anti-inflammatory, dry adhesive patches based on catechol-modified sulfated hyaluronic acid for multipurpose application	Wonmoon Song	Seoul National University	Korea, Republic of	E-T02-0512	
133	PS02-079	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Strong adhesive hemostatic agent based on catechol-chitosan and hyaluronic acid	Jeong Haeln	Seoul National University, Republic of Korea Army	Korea, Republic of	O-T02-0519	
134	PS02-080	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Bioadhesive cryogel for non-compressible haemostasis during orthopaedic surgical procedure	Sivashanmugam Amirthalingam	Institute of Engineering Research, Seoul National University, Seoul 08826, South Korea	Korea, Republic of	P-T02-0522	
135	PS02-081	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Integrating endothelialized microchannels with mesenchymal stem cell spheroids in a 3D-printed construct for ischemic disease therapy	Aruhan Naren	UNIST	Korea, Republic of	O-T02-0526	
136	PS02-082	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Ceramic loaded tissue adhesive composite gel for rapid hemostasis in osteo-surgeries	Arun Kumar Rajendran	School of Chemical and Biological Engineering, The Institute of Chemical Processes, Seoul National University, Seoul, 08826	Korea, Republic of	P-T02-0543	
137	PS02-083	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Efficient activation of dendritic cells with CpG-coated functional nanoparticle	Jaesung Lim	Sungkyunkwan University	Korea, Republic of	P-T02-0549	
138	PS02-084	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Modulating sepsis-associated NETosis dysregulation using bioinspired DNase- I-coated polymeric nanospheres	Yun Young Lee	Seoul National University College of Medicine	Korea, Republic of	P-T02-0550	
139	PS02-085	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Engineered endothelium model ensures direct EC-pericytes interactions via polyvinyl alcohol/ECM-based artificial basement membrane	Avelino Dos Santos Da Costa	Center for Biomaterials, Korea Institute of Science and Technology	Korea, Republic of	O-T02-0571	
140	PS02-086	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Nano-graphene oxide crosslinking improves <i>in vivo</i> durability of decellularized scaffold through MMP suppression and immunomodulation	Da-Hyun Kim	Seoul National University	Korea, Republic of	P-T02-0585	
141	PS02-087	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Development of poly(lactide-co-caprolactone) film combined with mesenchymal stem cell-derived matrix for corneal endothelial cells transplantation	Eui Sun Song	University of Science and Technology, Korea Institute of Science and Technology	Korea, Republic of	P-T02-0595	
142	PS02-088	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Spray nebulization enables polycaprolactone nanofiber production in a manner suitable for generation of scaffolds or direct deposition of nanofibers onto cells	Eamonn McKenna	Centre for Biomedical Technologies, Queensland University of Technology	Australia	E-T02-0598	Withdraw
143	PS02-089	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Agarose-snail mucus hybrid 3D scaffold for cartilage tissue engineering	Victor A. Ajsafe	Indian Institute of Science Bangalore	India	O-T02-0602	Withdraw
144	PS02-090	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Enzyme-mediated redox system for tissue engineering	Su-Hwan Kim	Dong-A University	Korea, Republic of	P-T02-0608	
145	PS02-091	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Development of PDRN loaded alginate/silica hybrid hydrogel scaffold using 3D printing for enhanced diabetic wound healing	Hyun Lee	The Catholic University of Korea	Korea, Republic of	P-T02-0618	
146	PS02-092	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Fabrication of biomimetic microneedle patches with anti-microbial and enhanced wound healing ability using DLP-based 4D printing	Hyun Lee	The Catholic University of Korea	Korea, Republic of	O-T02-0620	
147	PS02-093	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Investigation of shear flow effect on vascular endothelium under a dynamic flow system	Vadym Kopych	KIST	Korea, Republic of	P-T02-0633	
148	PS02-094	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Human and ovine collagen type I as biomaterials for wound healing	Loai Elfawy	Centre for Tissue Engineering and Regenerative Medicine, Faculty of Medicine, Universiti Kebangsaan Malaysia, Cheras, Kuala Lumpur 56000, Malaysia	Malaysia	O-T02-0641	Withdraw
149	PS02-095	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Composite scaffolds of gelatin and Fe3O4 nanoparticles for magnetic hyperthermia-based breast cancer treatment and adipose tissue regeneration	Rui Sun	a. Research Center for Functional Materials, National Institute for Materials Science; b. School of Pure and Applied Sciences, University of Tsukuba	Japan	O-T02-0643	
150	PS02-096	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Development of PLA/sirolimus coated biodegradable PCL/SiO2 stents fabricated by 3D printing	Ginam Han	Catholic University of Korea	Korea, Republic of	P-T02-0645	

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No.	Presentation Info.		Abstract Info.		Presenter's Info.			Submission No.	Remarks
	Presentation No.	Presentation Date	Topic	Title	Name	Affiliation	Country		
151	PS02-097	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Development of drug-eluting bullets with controlled drug release and radiopacity for anti-cancer treatment	Ginam Han	Catholic University of Korea	Korea, Republic of	P-T02-0646	
152	PS02-098	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Magnetic nanoparticles-based specific enrichment system for biomarker concentration of transplant rejection in the blood	Suhyun Kim	Department of Biomedical Engineering, Ulsan National Institute of Science and Technology (UNIST)	Korea, Republic of	P-T02-0663	
153	PS02-099	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Influence of viscosity on osteogenesis and adipogenesis of mesenchymal stem cells with controlled morphology	Jing Zheng	Tissue Regeneration Materials Group, Research Center for Functional Materials, National Institute for Materials Science, Department of Materials Science and Engineering, Graduate School	Japan	O-T02-0669	
154	PS02-100	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Fabrication and evaluation of a powder-type hemostatic agent with effective adhesion property	Ye Lim Lee	Kumoh National Institute of Technology	Korea, Republic of	P-T02-0697	
155	PS02-101	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Fabrication and characterization of a powder-type anti-adhesion agent with improved adhesiveness using hyaluronic acid	InHae Shin	Kumoh National Institute of Technology	Korea, Republic of	P-T02-0698	
156	PS02-102	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Development of a powder-type adhesive hemostatic agent containing blood coagulation agent	Dong Hun Kang	Kumoh National Institute of Technology	Korea, Republic of	P-T02-0699	
157	PS02-103	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Detection of cancer using carbon dot-based conductive hydrogels with controlled pH-sensitivity through boronate ester bonds	Hyeon Jun Jo	Department of IT and Energy Convergence (BK21 FOUR), Korea National University of Transportation	Korea, Republic of	P-T02-0722	
158	PS02-104	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	GSH responsive carbon dots incorporated flexible and stretchable skin sensor with wireless monitoring of pressure strain response in cancer condition	Kaustuv Roy	Department of IT and Energy Convergence (BK21 PLUS), Korea National University of Transportation	Korea, Republic of	P-T02-0726	
159	PS02-105	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Real-time wireless detection of tumor cells using a ROS-sensitive sensor comprising a diselenide polymer dot-coated surface	Sunu Hangma Subba	Department of IT and Energy Convergence (BK21 FOUR), Korea National University of Transportation	Korea, Republic of	P-T02-0728	
160	PS02-106	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Tumor microenvironment-dependent maturation of hepatocarcinoma cells spheroids formed within microfluidics-generated 3D microgels for chemotherapeutics testing	Baek Seung Yeop	Ulsan National Institute of Science and Technology	Korea, Republic of	P-T02-0729	
161	PS02-107	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Treatment of large bone defects using an engineered bone scaffold that can recruit host reparative cells, regulate redox homeostasis and promote osteogenesis	Cam-Hoa Mac	Department of Chemical Engineering, National Tsing Hua University, Hsinchu	Chinese Taipei	P-T02-0730	Withdraw
162	PS02-108	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Engineering a composite hydrogel dressing that can accelerate wound healing and noninvasively detect wound infection	Nhien Nguyen	Department of Chemical Engineering, National Tsing Hua University, Hsinchu, Taiwan, ROC	Chinese Taipei	P-T02-0746	Withdraw
163	PS02-109	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Preparation of multiscale biomedical scaffold by assembling self-healable hydrogel modules	JaeWook Park	Yonsei University	Korea, Republic of	P-T02-0747	
164	PS02-110	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Fabrication of biomimetic scaffold for glycosaminoglycan (GAG)-rich tissue	Xingxing Yang	Tissue Engineering Laboratory, Department of Mechanical Engineering, The University of Hong Kong, Pokfulam Road, Hong Kong, China	Hong Kong	E-T02-0751	
165	PS02-111	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Gelatin scaffold with lipid-PLGA microparticles for sustained curcumin release and corneal tissue engineering	Chun Kai Chang	National Tsing Hua University	Chinese Taipei	P-T02-0759	
166	PS02-112	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Development of cell-laden $\alpha$ -TCP/GelMA 3D construct for hard tissue regeneration	Jueun Kim	University of Science and Technology (UST)	Korea, Republic of	O-T02-0763	
167	PS02-113	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Separable double-layer microsphere codelivery of Dox and LPS for treating subcutaneous glioma tumor via immunochemotherapy	Zhen Xiang Hong	National Taiwan University of Science and Technology	Chinese Taipei	P-T02-0779	
168	PS02-114	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Synergistic composite for wound healing by delivery of fibroblast growth factor	Minju Kim	UNIST	Korea, Republic of	P-T02-0785	
169	PS02-115	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Zinc ion-releasing tissue adhesives for wound management	Sung Eun Kim	Incheon National University	Korea, Republic of	E-T02-0823	
170	PS02-116	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Zinc ion-releasing <i>in situ</i> crosslinkable hydrogels for endogenous tissue regeneration	Yeonjeong Kim	Incheon National University	Korea, Republic of	O-T02-0839	
171	PS02-117	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Assessing jellyfish collagen hydrogel for supporting human osteoblasts	Chaozong Liu	University College Londo (UCL)	United Kingdom	E-T02-0845	
172	PS02-118	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Gelatin-based dual delivery matrices releasing calcium and oxygen to facilitate vascularized bone tissue regeneration	Jeong Min Kim	Incheon National University	Korea, Republic of	P-T02-0846	
173	PS02-119	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Silk-collagen hydrogel improves therapeutic effects of mesenchymal stem cells on neovascularization in hindlimb ischemia via FAK/Src axis	Yeo-Gyun Yun	Institute of Tissue Regeneration Engineering (ITREN), Dankook University, Cheonan 31116, Republic of Korea. Department of Nanobiomedical Science and BK21 PLUS NBM Global Research	Korea, Republic of	P-T02-0847	
174	PS02-120	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Chondrocyte-mimicking microspheres for osteochondral defect repair	ZECHU ZHOU	Institute of Tissue Regeneration Engineering (ITREN), Dankook University, South Korea; Department of Nanobiomedical Science & BK21 PLUS NBM Global Research Center for Regenerative	Korea, Republic of	O-T02-0848	
175	PS02-121	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Oxygen-supplying syringe to create hyperoxia-inducible hydrogels for <i>in situ</i> tissue regeneration	Jeon Il Kang	Incheon National University	Korea, Republic of	O-T02-0849	
176	PS02-122	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Long-term maintenance of viable adipocytes and enhanced blood vessel infiltration in vivo using spheroid-based bioprinted construct	Hanan Mohamed	Ulsan National Institute of Science and Technology (UNIST)	Korea, Republic of	O-T02-0850	
177	PS02-123	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Controlled drug release by a tough and adhesive bilayer hydrogel with external stimulation	Jeesoo Park	Jeonbuk National University	Korea, Republic of	P-T02-0854	
178	PS02-124	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Bio-reprinting technique as an advanced method for micro-scaled tissue structure fabrication	Jae-Hun Kim	Tech University of Korea	Korea, Republic of	P-T02-0868	
179	PS02-125	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	A multiple surface modification used in Ti, and 3D-printed Ti alloy scaffold to regulate osteoimmunology, angiogenesis and osteogenesis for orthopaedic and dental implant application	Chia-Fei Liu	Department of Dentistry, National Yang Ming Chiao Tung University, Taipei, Taiwan	Chinese Taipei	E-T02-0872	
180	PS02-126	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	pH-sensitive photonic crystal patch for wound healing monitoring	YongHoe Koo	Unist	Korea, Republic of	P-T02-0874	
181	PS02-127	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Bio-ink and 3D printing-based to mimic of three-dimensional skin complex with internal blood vessels	Dongjin Lee	Korea Institute of Machinery and Materials	Korea, Republic of	P-T02-0912	
182	PS02-128	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	3D conduit model bio printing for mimicking the human intestine	Seunghun son	Korea institute of machinery and materials	Korea, Republic of	P-T02-0914	
183	PS02-129	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Stent-based electrode for radiofrequency ablation in the rat esophagus: A proof-of concept study	Dong-Sung Won	Biomedical Engineering Research Center, Asan Institute for Life Sciences, Asan Medical Center	Korea, Republic of	P-T02-0936	
184	PS02-130	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Intragastric satiety-inducing device combined with photodynamic therapy to treat obesity	Ji Won Kim	Asan Medical Center	Korea, Republic of	P-T02-0950	
185	PS02-131	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Development of 3D printed thermo-responsive skin-derived decellularized extracellular matrix hydrogel adhesive patch with controllable shrinkage behavior	Sungkeon Cho	POSTECH, Pohang, Gyeongbuk, 37666	Korea, Republic of	P-T02-0972	
186	PS02-132	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Development of 3D printing-based tendon-derived stem cell-laden 3D microtissues for tendon tissue engineering	Jothilin Subitsha Alex Jeberson	Soonchunhyang Institute of Medi-bio Science (SIMS), Soonchunhyang University	Korea, Republic of	P-T02-0980	
187	PS02-133	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Development of anti-fouling and anti-thrombogenic surface using visible light cross-linked zwitterionic hydrogel coatings for implantable medical devices	Soonjong Roh	Korea Institute of Science and Technology	Korea, Republic of	P-T02-0986	
188	PS02-134	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Visible light activated collagen based hydrogel for rotator cuff regeneration	Yerim Song	Korea Institute of Science and Technology	Korea, Republic of	P-T02-0987	
189	PS02-135	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Polycaprolactone scaffolds with improved mechanical properties and structural stability fabricated by a screw extrusion-type 3D printer	Jae Jun Kang	Medifab Co, Ltd.	Korea, Republic of	P-T02-0992	
190	PS02-136	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Development of a superhydrophilic surface for antifouling and antithrombotic properties using layer-by-layer assembly of laponite and heparin	Seyoun Jang	Center for Biomaterials, Biomedical Research Institute, Korea Institute of Science and Technology (KIST)	Korea, Republic of	P-T02-0996	
191	PS02-137	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Fabrication of 3D bioprinted tumor cell-laden scaffold using photo-crosslinkable bioink	Kyoung Choi	Laboratory of Tissue Engineering, Korea Institute of Radiological and Medical Sciences	Korea, Republic of	P-T02-0997	
192	PS02-138	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	<i>In-vivo</i> biological safety and longevity study of thermal-sensitive chitosan dermal filler	Soo Hee Lee	Medifab	Korea, Republic of	P-T02-1006	
193	PS02-139	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Development of a 3D culture hydrogel and artificial skin model based on alginate-decellularized extracellular matrix	Seon Mi Park	MediFab Co.,Ltd	Korea, Republic of	P-T02-1007	
194	PS02-140	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Cationic N,N,N-trimethyl chitosan biomaterial-mediated modulation of inflammatory cytokines for wound healing and tissue regeneration	Hayoung Lee	Interdisciplinary Program for Medical Laser, Dankook University	Korea, Republic of	P-T02-1008	
195	PS02-141	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Design of artificial human keloid skin equivalents with collagen-based hydrogels	Lee Jong Min	Center for Biomaterials, Biomedical Research Institute, Korea Institute of Science and Technology (KIST)	Korea, Republic of	P-T02-1010	
196	PS02-142	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	The effect of PLCL nerve guidance conduit and electrical stimulation on facial nerve regeneration	Goeun Choe	Korea Institute of Science and Technology	Korea, Republic of	P-T02-1012	
197	PS02-143	October 7-8	T02-Biomaterials (scaffold, 3D printing, fabrication, etc.)	Layer-by-layer coatings for the enhanced biological performance of orthopaedic implants	Muhammad Faruqi	Newcastle University	United Kingdom	P-T02-1044	
198	PS03-001	October 5-6	T03-Delivery systems (drug, biomolecules, active ingredient, etc.)	A senolytic-eluting coronary stent for the prevention of in-stent restenosis	Cheesue Kim	Seoul National University	Korea, Republic of	O-T03-0026	
199	PS03-003	October 5-6	T03-Delivery systems (drug, biomolecules, active ingredient, etc.)	Genetic fusion of a human serum albumin-specific protein binder significantly increases the biological functionality and blood circulation time of human interleukin-15	Jin-Ho Park	Gyeongsang National Univ.	Korea, Republic of	P-T03-0065	
200	PS03-004	October 5-6	T03-Delivery systems (drug, biomolecules, active ingredient, etc.)	Tumor intracellular microenvironment-responsive nanoparticles for magnetically targeted chemotherapy	SHAMEER PILLARISETTI	Department of Biomedical Sciences, Chonnam National University Medical School, 264, Seoyang-ro, Jeollanam-do, 58128, Republic of Korea.	Korea, Republic of	P-T03-0122	

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No.	Presentation Info.		Abstract Info.		Presenter's Info.			Submission No.	Remarks
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201	PS03-005	October 5-6	T03-Delivery systems (drug, biomolecules, active ingredient, etc.)	Capsulation technique-based intercellular organelle transfer for osteoarthritis therapy	Hye-Ryoung Kim	CHA University	Korea, Republic of	P-T03-0172	
202	PS03-006	October 5-6	T03-Delivery systems (drug, biomolecules, active ingredient, etc.)	Fabrication of a polymeric inhibitor of membrane-type co-localized enzymes for synergistic inhibition of cancer cell metabolism	Yuki Koba	Osaka University	Japan	O-T03-0186	
203	PS03-007	October 5-6	T03-Delivery systems (drug, biomolecules, active ingredient, etc.)	Cell-favorable protein-based adhesive microcapsules for NK cells-mediated cancer immunotherapy	Hyun Sun Choi	POSTECH	Korea, Republic of	P-T03-0212	
204	PS03-008	October 5-6	T03-Delivery systems (drug, biomolecules, active ingredient, etc.)	Click chemistry complex drug delivery system using tissue extracellular matrix for the anti-tumor therapy	Sung-Han Jo	Industry 4.0 Convergence Bionics Engineering, Pukyong National University	Korea, Republic of	P-T03-0240	
205	PS03-009	October 5-6	T03-Delivery systems (drug, biomolecules, active ingredient, etc.)	Transdermal delivery of hyaluronate based upconverting nanoparticle	Hye Eun Choi	Pusan National University	Korea, Republic of	P-T03-0275	
206	PS03-010	October 5-6	T03-Delivery systems (drug, biomolecules, active ingredient, etc.)	Doxycycline-eluting core-shell type nanofiber-covered trachea stent for inhibition of cellular metalloproteinase and its related fibrotic stenosis	Ngoc-Thuan Truong	Department of Biomedical Science, BK21 FOUR Program in Biomedical Science and Engineering, Inha University College of Medicine, Incheon 22212, Korea	Korea, Republic of	P-T03-0289	
207	PS03-011	October 5-6	T03-Delivery systems (drug, biomolecules, active ingredient, etc.)	Improved properties of polymeric micelles via hydrophobic core-clustering of superparamagnetic iron oxide nanoparticles	Su-Geun Yang	Department of Biomedical Science, BK21 FOUR Program in Biomedical Science and Engineering, Inha University College of Medicine	Korea, Republic of	P-T03-0290	
208	PS03-012	October 5-6	T03-Delivery systems (drug, biomolecules, active ingredient, etc.)	An organ-on-a-chip approach for efficient phage display biopanning under physiological conditions	Jeong-Won Choi	Ulsan National Institute of Science and Technology	Korea, Republic of	E-T03-0311	
209	PS03-013	October 5-6	T03-Delivery systems (drug, biomolecules, active ingredient, etc.)	Fabrication of dual-drugs loading liposomes stimulated by physical activation	Sujeong Lee	CHA University	Korea, Republic of	P-T03-0342	
210	PS03-014	October 7-8	T03-Delivery systems (drug, biomolecules, active ingredient, etc.)	Regulation of cell membrane permeability and photo-processing DNPs behavior for LED-mediated gene delivery	Cho Hui Bang	CHA University	Korea, Republic of	P-T03-0348	
211	PS03-015	October 7-8	T03-Delivery systems (drug, biomolecules, active ingredient, etc.)	Hydroxytyrosol: In vitro study on its feasibility and efficacy in attenuating intimal hyperplasia progression	Ubashini Vijakumaran	Center of Tissue Engineering and Regenerative Medicine, Universiti Kebangsaan Malaysia Medical Centre, Kuala Lumpur, Malaysia	Malaysia	O-T03-0412	
212	PS03-016	October 7-8	T03-Delivery systems (drug, biomolecules, active ingredient, etc.)	Adeno-associated viral vector delivery system for the regeneration of hypoxia ischemic encephalopathy injured brain	Zheng Rong Lau	Yonsei University	Korea, Republic of	P-T03-0450	
213	PS03-017	October 7-8	T03-Delivery systems (drug, biomolecules, active ingredient, etc.)	Enzyme-mediated oxygen releasing polyphenol particles for ischemia treatment	Jin-Woo Hong	Dong-A University	Korea, Republic of	P-T03-0495	
214	PS03-018	October 7-8	T03-Delivery systems (drug, biomolecules, active ingredient, etc.)	Disturbed flow-targeting nanovesicles for early theragnosis of atherosclerosis	Seong-Jun Kang	Chung-Ang University	Korea, Republic of	P-T03-0518	
215	PS03-019	October 7-8	T03-Delivery systems (drug, biomolecules, active ingredient, etc.)	Plant-inspired pluronic-gallol micelle: Low critical micelle concentration, high protein affinity, and thermal stability	Jungwoo Kim	Department of Intelligent Precision Healthcare Convergence, Sungkyunkwan University	Korea, Republic of	P-T03-0541	
216	PS03-020	October 7-8	T03-Delivery systems (drug, biomolecules, active ingredient, etc.)	Anti-inflammatory efficacy of metformin-encapsulated PLGA	Dae Kyu Kim	Department of Biochemistry and Biomimetics, Bowdoin College	USA	P-T03-0799	
217	PS03-021	October 7-8	T03-Delivery systems (drug, biomolecules, active ingredient, etc.)	Acoustic anticancer therapy using nanoparticle	Yong-Gyu Jeong	Gachon Advanced Institute For Health Sciences and Technology, GAIHST, Gachon University	Korea, Republic of	P-T03-0806	
218	PS03-022	October 7-8	T03-Delivery systems (drug, biomolecules, active ingredient, etc.)	Nano-corona anticancer strategy	Su Hyun Lim	Gachon Advanced Institute For Health Sciences and Technology, GAIHST, Gachon University	Korea, Republic of	P-T03-0828	
219	PS03-023	October 7-8	T03-Delivery systems (drug, biomolecules, active ingredient, etc.)	Differential expression of peripheral blood and synovial fluid-derived exosomal-miRNAs in osteoarthritis	Hwa Yu Lai	Universiti Malaya	Malaysia	E-T03-0879	Withdraw
220	PS03-024	October 7-8	T03-Delivery systems (drug, biomolecules, active ingredient, etc.)	PTH and novel PTH analog for osseointegration and bone regeneration in ovariectomized beagle model	Jinwoo Kim	Ewha Womans University	Korea, Republic of	P-T03-0949	
221	PS03-025	October 7-8	T03-Delivery systems (drug, biomolecules, active ingredient, etc.)	Long-term anti-inflammatory effects of injectable celecoxib nanoparticle hydrogels for achilles tendon regeneration	Jun Kim	Center for Biomaterials, Biomedical Research Institute, Korea Institute of Science and Technology, Seoul, 02792, Republic of Korea; Division of Bio-Medical Science and Technology, KIST	Korea, Republic of	P-T03-0991	
222	PS03-026	October 7-8	T03-Delivery systems (drug, biomolecules, active ingredient, etc.)	Neuroprotective potential of phospholipase A2 against oxidative stress-induced toxicity in neuronal cell	Nur Atiqah Haizum Abdullah	Jeffrey Cheah School of Medicine and Health Sciences, Monash University Malaysia, Selangor, Malaysia & Centre of Tissue Engineering and Regenerative Medicine, Faculty of Medicine, The National Bioclincs Innovation Centre, Biodiscovery Institute, School of Life Sciences, University of Nottingham, Regenerative Medicine and Cellular Therapy, School of Pharmacy, University of Nottingham	Malaysia	P-T03-1020	
223	PS03-027	October 7-8	T03-Delivery systems (drug, biomolecules, active ingredient, etc.)	Inhibition of Pseudomonas biofilm causing osteomyelitis by the dual action of antibiotics and QSI contained in a HA/b-TCP porous bone granule (BG) system	Md Anirban Jyoti	The National Bioclincs Innovation Centre, Biodiscovery Institute, School of Life Sciences, University of Nottingham, Regenerative Medicine and Cellular Therapy, School of Pharmacy, University of Nottingham	United Kingdom	P-T03-1080	
224	PS04-002	October 5-6	T04-Stem cell engineering (cell therapy, developmental biology, etc.)	TIMP1 enhances survival of transplanted adult stem cell spheroids in murine critical limb ischemia model	Jung-Kyun Choi	KIST (Korea Institute of Science and Technology), (UST University of Science and Technology)	Korea, Republic of	P-T04-0044	
225	PS04-003	October 5-6	T04-Stem cell engineering (cell therapy, developmental biology, etc.)	Development of recombinant transcription factor proteins for direct conversion of human dermal fibroblasts into osteoblasts	Manho Kim	Department of Biomedical Science, Kangwon National University, Chuncheon-si, Republic of Korea	Korea, Republic of	P-T04-0080	
226	PS04-004	October 5-6	T04-Stem cell engineering (cell therapy, developmental biology, etc.)	3D spheroids of mesenchymal stem cells attenuate neuropathic pain mediated by chronic constriction injury in mice	Nayeon Lee	Department of Physiology, School of Medicine, Pusan National University	Korea, Republic of	P-T04-0094	
227	PS04-005	October 5-6	T04-Stem cell engineering (cell therapy, developmental biology, etc.)	Glioblastoma recurrence by neurotransmitters from abnormal neuronal firing via electrical stimulation	Ji Yeon Lee	Korea Advanced Institute of Science and Technology (KAIST)	Korea, Republic of	P-T04-0110	
228	PS04-006	October 5-6	T04-Stem cell engineering (cell therapy, developmental biology, etc.)	Identification of mesenchymal stem cell-specific surface markers	An Nguyen-Thuy Tran	Department of Otorhinolaryngology-Head and Neck Surgery, College of Medicine, Ewha Womans University	Korea, Republic of	P-T04-0242	
229	PS04-007	October 5-6	T04-Stem cell engineering (cell therapy, developmental biology, etc.)	Prevention of diet-induced obesity by adipose tissue browning using extracellular vesicles from stem cells during beige adipogenic differentiation	YEEUN YUN	Hanyang Univ.	Korea, Republic of	P-T04-0281	
230	PS04-008	October 5-6	T04-Stem cell engineering (cell therapy, developmental biology, etc.)	Human neural progenitor cell differentiation into spiral ganglion neurons for sensorineural hearing loss	Nathaniel Carpena	Dankook University	Korea, Republic of	E-T04-0296	
231	PS04-009	October 5-6	T04-Stem cell engineering (cell therapy, developmental biology, etc.)	Nanofibrillar scaffold improves 3D culture of induced pluripotency stem cells	Jinhee Park	Department of Biomedical Science, Kangwon National University, Chuncheon-si, Republic of Korea	Korea, Republic of	P-T04-0299	Withdraw
232	PS04-010	October 5-6	T04-Stem cell engineering (cell therapy, developmental biology, etc.)	Three-dimensional environment improves efficiency of chemically-induced direct cardiac reprogramming	Seung Ju Seo	Department of Physiology, Graduate School of Medical Science, Brain Korea 21 Project, Yonsei University College of Medicine	Korea, Republic of	P-T04-0302	
233	PS04-011	October 5-6	T04-Stem cell engineering (cell therapy, developmental biology, etc.)	Blood outgrowth endothelial cells (BOECs) in re-endothelialization of human saphenous veins (hSV): An ex vivo model	Atiqah Haron	UKM	Malaysia	P-T04-0416	
234	PS04-012	October 5-6	T04-Stem cell engineering (cell therapy, developmental biology, etc.)	Mesenchymal stem cells can promote the healing of the ocular surface by corneal epithelial cell regeneration in the alkali burn model of the rabbit	Jin Kim	Department of Ophthalmology, Asan Medical Center, University of Ulsan College of Medicine	Korea, Republic of	P-T04-0420	
235	PS04-013	October 5-6	T04-Stem cell engineering (cell therapy, developmental biology, etc.)	Designing engineered stem cells hybrid spheroids for inflammatory disease	Dinesh Chaudhary	Department of Precision Medicine, School of Medicine, Sungkyunkwan University	Korea, Republic of	P-T04-0435	
236	PS04-014	October 7-8	T04-Stem cell engineering (cell therapy, developmental biology, etc.)	Alginate encapsulation of 3D cultured mesenchymal stem cell spheroids for intraperitoneal injection in DSS-induced murine chronic colitis	Junhyeung Park	Sungkyunkwan University	Korea, Republic of	P-T04-0460	
237	PS04-015	October 7-8	T04-Stem cell engineering (cell therapy, developmental biology, etc.)	Donor-dependent skeletal muscle differentiation mechanism of tonsil-derived mesenchymal stem cells	Min Ji Lee	Department of Otorhinolaryngology-Head and Neck Surgery, College of Medicine, Ewha Womans University, 1071 Anyangcheon-ro, Yangcheon-gu, Seoul 07985	Korea, Republic of	P-T04-0467	
238	PS04-016	October 7-8	T04-Stem cell engineering (cell therapy, developmental biology, etc.)	Generation of functional airway epithelial cells from human tonsil-derived mesenchymal stem cells by mimicking stepwise differentiation	Ha Yeong Kim	Ewha Womans University	Korea, Republic of	P-T04-0504	
239	PS04-017	October 7-8	T04-Stem cell engineering (cell therapy, developmental biology, etc.)	Optimization of in vitro culture conditions to maintain hepatic stellate cell in quiescence	Ya Gong	University of Tokyo, Department of Bioengineering	Japan	P-T04-0597	
240	PS04-019	October 7-8	T04-Stem cell engineering (cell therapy, developmental biology, etc.)	Salivary gland organoids as therapeutic models for radiation-induced xerostomia	Seong Gyeong Jeon	Department of Microbiology, CHA University School of Medicine, Seongnam, Republic of Korea.	Korea, Republic of	E-T04-0756	
241	PS04-020	October 7-8	T04-Stem cell engineering (cell therapy, developmental biology, etc.)	Synthesis of polystyrene nanoparticles degraded forms and their effect on stem cell	Hyun Su Park	School of Chemical Engineering, Sungkyunkwan University, Suwon 16419, Republic of Korea	Korea, Republic of	P-T04-0776	
242	PS04-021	October 7-8	T04-Stem cell engineering (cell therapy, developmental biology, etc.)	Development of a stem cell spheroid-laden patch with high retention at skin wound site	Dong-Hyun Lee	School of Chemical Engineering, Sungkyunkwan University	Korea, Republic of	P-T04-0819	
243	PS04-022	October 7-8	T04-Stem cell engineering (cell therapy, developmental biology, etc.)	Study for region specific differentiation programme through distinct transcriptome of mouse small intestinal epithelial stem cells	Hoseok Ryu	Department of Microbiology, CHA University School of Medicine, Seongnam 13488, Korea	Korea, Republic of	E-T04-0869	
244	PS04-023	October 7-8	T04-Stem cell engineering (cell therapy, developmental biology, etc.)	Regulation of head and neck squamous cell carcinoma migration and invasion behaviors by mild reduction of cell surface	Laurensia Danis Anggradita	Soonchunhyang Institute of Medi-Bio Science (SIMS), Soonchunhyang University	Korea, Republic of	O-T04-0871	
245	PS04-024	October 7-8	T04-Stem cell engineering (cell therapy, developmental biology, etc.)	Evaluation of the efficacy of SDF-1-based novel polypeptides by structure-based drug design in an acute myocardial infarction model	Kang-Gon Lee	Korea university	Korea, Republic of	P-T04-0969	
246	PS04-025	October 7-8	T04-Stem cell engineering (cell therapy, developmental biology, etc.)	PINK1 deficiency induces adipogenic differentiation and suppresses osteogenic differentiation in mouse mesenchymal stem cells	HyunJeong Yeo	Cha University	Korea, Republic of	P-T04-1060	
247	PS04-026	October 7-8	T04-Stem cell engineering (cell therapy, developmental biology, etc.)	Cartilage repair in temporomandibular joint osteoarthritis mediated by inflammatory cytokines-stimulated human umbilical cord stem cells via immunomodulating activation of M2 macrophages	Hyunjeong Kim	Biomedical Engineering Research Center, Asan Institute for Life Sciences	Korea, Republic of	P-T04-1079	
248	PS05-001	October 5-6	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	Engineering hair follicle organoids through microenvironmental reprogramming	Tatsuto Kageyama	Kanagawa Institute and Industrial Science and Technology	Japan	O-T05-0032	
249	PS05-002	October 5-6	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	Zika virus infection accelerates Alzheimer's disease phenotypes in brain organoids	Hee-Yeong Kim	Seoul National University	Korea, Republic of	P-T05-0093	
250	PS05-003	October 5-6	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	Next-generation in vitro microfluidic devices for accelerating precision medicine and drug development	Jihoon Ko	Seoul National University	Korea, Republic of	E-T05-0100	Withdraw

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251	PS05-004	October 5-6	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	Development of <i>in vitro</i> 3D unidirectional cerebral region circuit analytic platform by controlling the growth rate of neurites	Kyeong Seob Hwang	KIST	Korea, Republic of	P-T05-0119	
252	PS05-005	October 5-6	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	Physiomimetic bioprinting of stem cell-derived human pancreatic islet-like cellular aggregates-vascular platform for studies of diabetic diseases	Myungji Kim	POSTECH	Korea, Republic of	O-T05-0120	
253	PS05-006	October 5-6	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	Aging of the blood-brain barrier (BBB) via reactive oxygen species (ROS) stimulation	Eun U Seo	KIST	Korea, Republic of	P-T05-0124	
254	PS05-007	October 5-6	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	Microrheological system for hepatic function enhancement of human liver organoids	Jae Hee Byeon	University of Ulsan	Korea, Republic of	P-T05-0153	
255	PS05-008	October 5-6	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	3D microfluidic meningeal lymphatic vascular system to study age-related pathological effects of cerebrospinal fluid	Jiyeon Ryu	UNIST	Korea, Republic of	P-T05-0226	
256	PS05-009	October 5-6	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	A microphysiological system reproducing obesity-associated adipose tissue inflammation	Heejeong Yoon	UNIST	Korea, Republic of	P-T05-0227	
257	PS05-010	October 5-6	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	Analysis of metastatic organotropism in breast cancer cells using a microphysiological systems	Heejeong Yoon	UNIST	Korea, Republic of	P-T05-0229	
258	PS05-011	October 5-6	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	Generation of 3D innervated skeletal muscle mode	Eunseon Jeong	Yonsei Univ.	Korea, Republic of	P-T05-0233	
259	PS05-013	October 5-6	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	Cortical-blood vessel assembloids exhibit Alzheimer's disease pathologies by activating glia after SARS-CoV-2 infection	Nam Gyo Kim	Seoul National University	Korea, Republic of	P-T05-0270	
260	PS05-014	October 5-6	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	Wnt-activating human skin organoid model of atopic dermatitis induced by <i>Staphylococcus aureus</i> and its protective effects by <i>Cutibacterium acne</i>	Min-ji Kim	Seoul National University	Korea, Republic of	E-T05-0285	
261	PS05-015	October 5-6	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	Endometrium organoid as an in vitro model for female reproductive diseases	Eunju Park	Yonsei University College of Medicine	Korea, Republic of	P-T05-0318	
262	PS05-016	October 5-6	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	Development of functional hepatic organoids with liver-specific microenvironments	Su Kyeom Kim	Yonsei University	Korea, Republic of	P-T05-0347	
263	PS05-017	October 5-6	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	Human stomach microphysiological system for modelling <i>Helicobacter Pylori</i> pathogenesis	Hye-Jin Jeong	Ulsan National Institute of Science and Technology	Korea, Republic of	P-T05-0353	
264	PS05-018	October 7-8	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	Differentiation of vascularized functional liver organoids using transcription factors in iPSCs	Wijin Kim	Department of Biomedical Science, Kangwon National University, Chuncheon, Gangwon-do, 24341, Republic of Korea.	Korea, Republic of	P-T05-0356	
265	PS05-019	October 7-8	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	Engineered heterochronic parabiosis in 3D microphysiological system	Yunki Lee	Emory University	USA	P-T05-0385	
266	PS05-020	October 7-8	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	3D tumor angiogenesis models for effective anti-cancer treatment	Kim Hyelim	KIST	Korea, Republic of	P-T05-0397	
267	PS05-021	October 7-8	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	3D bioprinting-based tissue assembly to generate multi-axially contracting engineered heart tissue	Dong Gyu Hwang	POSTECH	Korea, Republic of	O-T05-0419	
268	PS05-022	October 7-8	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	Integrating the endosteal and perivascular compartments of the bone marrow niche in a microfluidic device	HO-YING WAN	Institute for Tissue Engineering and Regenerative Medicine, The Chinese University of Hong Kong	Hong Kong	E-T05-0431	
269	PS05-023	October 7-8	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	Bone marrow on-a-chip for in vitro bone disease modeling with Osteo-Vascular biphasic niche	Jung Hun Kim	Korea National University of Transportation	Korea, Republic of	O-T05-0441	
270	PS05-024	October 7-8	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	Spatial restriction of diffuse gastric cancer cells promotes cell softening and filopodia formation	Seung Won Oh	Department of Bio and Brain Engineering, KAIST	Korea, Republic of	P-T05-0461	
271	PS05-025	October 7-8	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	Oscillatory shear stress-induced 3D lymphatic valvulogenesis model using lymphatic endothelial progenitor cells	Jiyeon Ryu	UNIST	Korea, Republic of	P-T05-0501	Withdraw
272	PS05-026	October 7-8	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	Development of drug screening platform to mimic pancreas tumor microenvironment using decellularized extracellular matrix and pancreas organoids	Hanse Goh	Asan Medical Center	Korea, Republic of	E-T05-0516	
273	PS05-027	October 7-8	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	Modeling pancreatic cancer with patient-derived organoids integrating cancer-associated fibroblasts	Go Yoon-Ha	Department of Microbiology, CHA University School of Medicine, Seongnam 13488, Korea	Korea, Republic of	E-T05-0609	
274	PS05-028	October 7-8	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	Differentiation of human hair follicle stem cells into a vascularized hair bearing skin organoids	Hyein Lee	ORG Corp.	Korea, Republic of	P-T05-0677	
275	PS05-029	October 7-8	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	Enhancing maturation of human vascularized cardiac organoids using a magnetic torque stimulation (MTS) system	TaeHoon Sin	Korea Univ	Korea, Republic of	P-T05-0685	
276	PS05-030	October 7-8	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	Effect of direct oxygenation and coculture on primary hepatocytes & intestine epithelial cells cultured in stirrer-based microphysiological system (MPS) device	Dhimas Kurniawan	The University of Tokyo	Japan	E-T05-0691	
277	PS05-031	October 7-8	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	3D multicellular cancer microenvironment platform supporting survival of acute myeloid leukemia (AML) in cultures	Hoi Lam Cheung	Tissue Engineering Laboratory, Department of Mechanical Engineering, The University of Hong Kong; Advanced Biomedical Instrumentation Centre, Hong Kong Science Park	Hong Kong	P-T05-0781	
278	PS05-032	October 7-8	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	Generation of functional porcine and human thyroid organoid	Lee Jaeho	Department of Microbiology, CHA University School of Medicine, Seongnam 13488, Korea	Korea, Republic of	E-T05-0830	
279	PS05-033	October 7-8	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	Developing a novel strategy to support in vitro self-renewal of patient-derived head and neck squamous carcinoma cells	Joohyun Kim	Soonchunhyang Institute of Medi-bio Science (SIMS), Soonchunhyang University, Republic of Korea	Korea, Republic of	O-T05-0880	
280	PS05-034	October 7-8	T05-Organ-mimetic platforms (organoid, organ-on-a-chip, etc.)	Evaluation of the efficacy of perfusion culture for the construction of three-dimensional endometrial-like tissue	Kenshin Wakabayashi	Waseda University	Japan	P-T05-0921	