

# General Poster Presentation Awardee

Presentation No.	Abstract Info.	Presenter's Info.		
	Abstract Title	Name	Affiliation	Country
P01-001	Extracellular vesicles derived from fibroblasts promote wound healing by optimizing fibroblast and endothelial cellular functions	EunJung Oh	Kyungpook National University Hospital	Republic of Korea
P01-003	Anti-inflammatory and immune-modulation effects of exosomes derived from human fetal cartilage progenitor cells (hFCPCs) <i>in vitro</i>	JIYOUNG LEE	Inha university	Republic of Korea
P02-001	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	Republic of Korea
P02-013	Glutamate-inducing MAO-B 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	Republic of Korea
P03-007	Corneal 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
P03-010	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	Republic of Korea
P03-011	Silencing SIRT5 induces the senescence of UCB-MSCs exposed to TNF- $\alpha$ by reduction of fatty acid $\beta$ -oxidation and superoxide dismutase 2 activity	Young Hyun Jung	Department of Veterinary Physiology, College of Veterinary Medicine and Research Institute for	Republic of Korea
P03-016	Anti-inflammatory effect of human fetal cartilage-derived progenitor cells (hFCPCs) on IL-1b-mediated osteoarthritis (OA) phenotypes <i>in vitro</i>	JIYOUNG LEE	Inha university	Republic of Korea
P03-017	Enhancement of the stem cell engraftment and differentiation for cartilage regeneration by using transglutaminase-4/hydrogel	SUN YOUNG WANG	Department of Orthopedic Surgery, Seoul National University Hospital	Republic of Korea
P04-004	Lotus-inspired multifunctional antifouling janus nanofibrous membrane for prevention of postsurgical tissue adhesion	Yu Ri Jeon	Kyungpook National University	Republic of Korea
P04-012	Heat-confined tumor-docking reversible thermogel potentiates systemic antitumor immune response during near-infrared triggered photothermal therapy in triple-	ADITYANARAYAN MOHAPATRA	Chonnam National University, South Korea	Republic of Korea
P04-020	Electrochemical identification of naïve and primed PSCs based on cellular metabolism	KYEONG-MO KOO	School of Integrative Engineering, Chung-Ang University, Seoul 06974	Republic of Korea
P04-023	Programmed 'triple-mode' anti-tumor therapy: Improving peritoneal retention, tumor penetration and activatable drug release properties for effective inhibition of	VEENA VIJAYAN	Chonnam National University	Republic of Korea
P04-030	Engineering of islets with chitosan microspheres and on-demand loading of heparin for preventing IBMIR in islet transplantation	Manju Shrestha	Sungkyunkwan University	Republic of Korea
P04-033	Alginate and gelatin-based scaffolds for the manufacture of <i>in-vitro</i> reconstructed meat	ANKUR SOOD	YEUNGNAM UNIVERSITY	Republic of Korea
P04-047	Senescent cancer cell-derived nanovaccine for cancer therapy	SangJun Moon	Seoul National University	Republic of Korea
P04-050	In situ forming elastin-like polypeptide hydrogel for injectable drug delivery applications	Yeongjin Noh	Ulsan National Institute of Science and Technology	Republic of Korea
P04-054	Coating of graphene oxide on a large-area plastic surface to fabricate a novel cell culture vessel	Danbi Park	Kyungpook national university	Republic of Korea
P04-062	Optimization of chemically defined soluble basement membrane solution as an alternative to matrigel for epithelialization studies	Maitraee Mistry	Tissue Engineering Lab, Department of Mechanical Engineering, The University of Hong Kong, Pokfulum,	Hong Kong
P04-071	Biomaterials for enhancing cell survival in low water environment	Lady Barrios Silva	University College London Hospitals	United Kingdom
P04-075	Measurement of cell-ECM, intracellular stresses, and intracellular tensions using gelatin methacryloyl (GelMA) hydrogels based traction force microscopy (TFM),	Sung Sik Hur	Soonchunhyang University	Republic of Korea
P05-002	Optimization of printability of alginate-based bioinks using rheology-informed machine learning	Dageon Oh	Major of Biomedical Engineering, Division of Smart Healthcare, College of Information Technology and	Republic of Korea

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P05-013	Highly scalable and automation compatible organ-on-chip platform for biological barriers modeling	Prateek Singh	Finnadvance	Finland
P06-002	The effect of extracellular matrix glycation on mechanoresponsiveness of cells	Insung Yong	KAIST	Republic of Korea
P06-012	Milk derived protein based scaffold enhanced ectopic and orthotopic bone formation	Min Suk Lee	Dankook University	Republic of Korea
P06-015	The development of a novel white matter hyperintensity model by mimicking blood-brain barrier-oligodendrocytes 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,	Hong Kong
P06-024	Differentiation of endogenous stem cells migrated with novel chemoattractant into vascular endothelial cells in hybrid hydrogel	Young Hun Kim	Ajou University	Republic of Korea
P06-026	Development of injectable click crosslinked hydrogel formulation containing Substance P analog and BMP-2 mimetic peptide to induce migration and bone	Hee Eun Kim	Ajou university	Republic of Korea
P06-029	Multimodal therapy strategy based on highly functional hydrogels for the repair of spinal cord injury	Eun Ji Roh	CHA University School of Medicine	Republic of Korea
P06-039	The role of mechanotransduction in tissue remodeling by TGF- $\beta$ induced fibroblast activation	Inwoo Son	Korea University	Republic of Korea
P06-049	Polydopamine/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	Republic of Korea
P07-002	Magnetic resonance relaxometry as a tool for tracking induced pluripotent stem cell variability	Daniel Roxby	School of Chemical and Biomedical Engineering, Nanyang Technological University	Singapore
P08-001	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-	Singapore
P09-006	Long term alveolar bone critical sized defect confirmation for GBR membrane in beagle dogs	Yongsub Byun	KBIOHealth	Republic of Korea
P09-007	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	Republic of Korea
P09-018	Small molecule mediated intervertebral disc repair via regulation of proteoglycan metabolism	Victor Leung	The University of Hong Kong	Hong Kong
P09-019	Transverse tibial cortex transport surgery: A novel treatment strategy for diabetic ulcers and biological mechanisms	GANG LI	The Chinese University of Hong Kong	China
P10-003	Anti-biofouling, waterproof and insulating encapsulation for bioelectronics with improved longevity and robustness	Sooyoung Hwang	YONSEI UNIVERSITY	Republic of Korea
P10-004	Development of <i>in-situ</i> 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
P10-015	Suppression of cancer cell migration by TGF $\beta$ activated fibroblasts in a co culture model of the tumor microenvironment	Ana Rita Morais Pires Dos Santos	Korea University	Republic of Korea