

Poster Presentations

Paper No.	Paper Title	Presenting Author	Date	Poster Board No.
15	PLLA scaffold with delivery system of bioactive agents for anti-inflammation and re-endothelialization	Dong Keun Han (South Korea)	16 Oct	D1-12W-06
47	Biocompatible And 3D-printable Ionic liquid/collagen Based Hydrogel With Tunable Conductivity And Mechanical Properties For Peripheral Nerve Regeneration	Jiarui Zhou (United States)	17 Oct	D2-10W-21
64	Stage-specific and location-specific cartilage calcification in osteoarthritis development	Xiaozhao Wang (China)	18 Oct	D3-10W-42
89	Mg-containing Biodegradable Polymer Bone Repair Material	Ming Zhang (China)	16 Oct	D1-10W-36
91	Agomir-122@MNP Targets Fibroblasts in Shoulder Capsule to Prevent and Treat Shoulder Stiffness	Zhiwen Luo (China)	19 Oct	D4-10W-12
92	Regeneration effects of injectable hydrogel with anti-apoptosis, anti-inflammatory, and pro-angiogenesis properties on severe skeletal muscle defects	Zhiwen Luo (China)	17 Oct	D2-12W-09
94	Injectable remodeling hydrogels derived from alendronate-tethered alginate calcium complex for enhanced osteogenesis	Han-Sem Kim (South Korea)	18 Oct	D3-10W-09
96	Wharton's Jelly MSC Exosomes Loaded with Apelin: A Promising Therapy for Insulin Resistance Reversal	Jing Cui (China)	19 Oct	D4-12W-11
99	Characterization of subpopulation of multipotent mesenchymal stromal cells with antifibrotic properties	Vsevolod Tkachuk (Russian Federation)	19 Oct	D4-12W-14
101	The Classification of Histological Images of Decellularized Corneal Scaffolds through Deep learning	Peter Corridon (United Arab Emirates)	19 Oct	D4-10W-30
109	Exosomes purified from miRNA-223 overexpressed MSCs show enhanced anti-inflammatory ability	Ka Man LI (Hong Kong SAR)	19 Oct	D4-12W-33
113	In situ conductive biogel for utilization of bioelectronics in living organism	Hyun Tack Woo (South Korea)	19 Oct	D4-10W-41
114	High-efficient engineering of osteo-callus organoids for rapid bone regeneration within one month	Chang Xie (China)	17 Oct	D2-10W-27
118	Novel Immortalized MSC cell line for study of adipogenic differentiation and insulin signaling.	Konstantin Kulebyakin (Russian Federation)	19 Oct	D4-12W-28
120	Development of a decellularized liver matrix-based nanocarrier for liver regeneration after partial hepatectomy	Yong-Heng Lin (Taiwan)	16 Oct	D1-12W-34

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122	Stretchable Ferrogel Prepared with Hyaluronic Acid for Biomedical Applications	Minhyung Kong (South Korea)	16 Oct	D1-12W-20
123	Three-dimensional Bioprinting Of Self-healing Hydrogel With Enhanced Toughness	Hyunseung Kim (South Korea)	17 Oct	D2-10W-10
124	Retinal Degeneration Treatment By Subretinal Transplantation Of Several Types Of Mesenchymal Stem Cells And Human Pluripotent Stem Cell-derived Retinal Pigment Epithelium Into Retinal Degeneration Model Rats	Qian Liu (China)	19 Oct	D4-12W-35
125	Long-term stability and transfection efficacy of the lyophilized lipid nanoparticles entrapped with mRNA	Ting WANG (China)	16 Oct	D1-10W-22
129	Different profiles of PTH1R-dependent calcium signal determine the switch between pro- or anti-osteogenic effect of PTH on MSC.	Konstantin Kulebyakin (Russian Federation)	19 Oct	D4-12W-29
130	Decellularized Extracellular Matrix Particle-based Biomaterials for Cartilage Repair Applications	Mauro Alini (Switzerland)	16 Oct	D1-12W-19
131	Universal human pluripotent stem cells: Generation and differentiation	Tzu-cheng Sung (China)	19 Oct	D4-10W-01
132	Efficient differentiation of human pluripotent stem cells into cardiomyocytes on cell sorting thermoresponsive surface	Tzu-cheng Sung (China)	19 Oct	D4-10W-02
133	Impact of the Operator on Qualitative and Quantitative Parameters of Non-Activated Platelet-Rich Plasma: Practical Implications for Regenerative Medicine Applications	Sharun Khan (India)	19 Oct	D4-12W-45
134	Hepatoprotective Effect of Mesenchymal Stem Cells with Platelet-Rich Plasma and Hepatocyte Growth Factor in Bile Duct Ligation Induced Liver Cirrhosis Model in Rat	Amitha Banu S (India)	19 Oct	D4-12W-05
135	Hepatic Patch for Liver Regeneration after CCl4 Poisoning	Ting Yi Wu (Taiwan)	18 Oct	D3-10W-31
137	Functional analysis of miRNAs encapsulated in small extracellular vesicles related to the efficacy of polydactyly-derived chondrocyte sheets	Miki Maehara (Japan)	16 Oct	D1-12W-23
138	Delivery of antisense oligonucleotide to lung cell using mixed peptide micelle	Minji Kang (South Korea)	16 Oct	D1-12W-38
140	Adult spinal cord tissue transplantation combined with local tacrolimus sustained-release collagen hydrogel promotes complete spinal cord injury repair	He Shen (China)	18 Oct	D3-12W-22

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141	Adipocytolytic Effect of Carbon Dioxide Gas-Generating Polymer Micelles	Yunchan Lee (South Korea)	16 Oct	D1-10W-33
142	Constructing regenerative microenvironments with functional biomaterials for spinal cord injury repair	He Shen (China)	18 Oct	D3-12W-23
145	Cell membrane nanoparticles for therapy of inflammatory lung disease	Chuanyu Zhuang (South Korea)	16 Oct	D1-10W-35
146	Anisotropic conductive matrices promote cardiac maturation and post-infarction functions by restoring electrical integrity	Xiaohui Zhang (China)	18 Oct	D3-10W-41
147	An Algorithmic Design Approach to Generate Lymph Node-Inspired 3D Microprinted Cell Scaffolds	Matthew (Ho Wai) Chin (United Kingdom)	19 Oct	D4-10W-28
148	Bacterial polyester – poly(3-hydroxyoctanoate) (P(3HO)) as a versatile material for medical applications	Katarzyna Harażna (Poland)	17 Oct	D2-10W-24
149	Bioprinted anisotropic scaffolds with fast stress relaxation bioink for engineering 3D skeletal muscle and repairing volumetric muscle loss	Ting Li (China)	16 Oct	D1-12W-14
157	An Injectable Asymmetric-Adhesive Hydrogel as a GATA6 + Cavity Macrophage Trap for Preventing the Formation of Postoperative Adhesions after Minimally Invasive Surgery	Xiaoqi Wu (China)	17 Oct	D2-12W-18
163	Safety and Efficacy of Implanted Self-expandable Metallic Stent-mediated Radiofrequency Ablation to Manage Stent-induced Tissue Hyperplasia in Rat Gastric Outlet Model.	Dong-sung Won (South Korea)	17 Oct	D2-12W-42
164	The distribution of bone void in thoracolumbar spine in adult Chinese with and without osteoporosis: a prospective, multi-center study based on 464 vertebrae	Junyu Lin (China)	19 Oct	D4-10W-26
165	Mg-containing Hybrid Interference Screw Promotes The Healing of ACL Reconstruction	Jiankun Xu (Hong Kong SAR)	17 Oct	D2-10W-14
167	A semi-synthetic mesenchymal stem cells (MSC)-derived extracellular matrix (ECM)-based biomaterial synthesized under defined hypoxic culture conditions accelerates diabetic skin wound healing	Kwok Keung Lit (Hong Kong SAR)	18 Oct	D3-12W-02
172	Development of a Hypertrophic Cartilage for Bone Regeneration	Bach Le (Singapore)	18 Oct	D3-10W-18
173	Towards Biomanufacturing of a Biomimetic Hydrogel-based Dermal	Bach Le	18 Oct	D3-10W-19

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	Template for Skin Regeneration	(Singapore)		
174	Temperature-controlled radiofrequency ablation with self-expandable electrode to ablate evenly malignant biliary obstruction	Yubeen Park (South Korea)	45215	D1-10W-38
175	Exploring Genes Associated With Hair Graying Using Hair Follicle Organoids	Shan Tu (Japan)	17 Oct	D2-10W-28
176	Absorbable Magnesium Stent for Treating Eustachian Tube Dysfunction in a Porcine Model: A Preliminary Study	Jeon Min Kang (South Korea)	16 Oct	D1-12W-21
177	A novel rapidly mineralized biphasic calcium phosphate with high acid-resistance stability for long-term treatment of dentin hypersensitivity	Sheng Long Tan (China)	16 Oct	D1-10W-09
181	In Vivo Stable Allogenic Cartilage Regeneration in a Goat Model Based on Immunoisolation Strategy Using Electrospun Semipermeable Membranes	Yuyan Sun (China)	18 Oct	D3-10W-28
182	Engineering embryonic stem cell-induced retinal pigment epithelium monolayer with electrohydrodynamic jet-printed scaffolds	Hang Liu (Singapore)	16 Oct	D1-12W-12
183	Enhancing Chondrogenic and Adipogenic Differentiation of Stem Cells in Spheroid Culture using Hyaluronic Acid Hydrogel	Hye-Eun SHIM (South Korea)	17 Oct	D2-10W-29
184	Development of Multifunctional Cationic Polysaccharide Hydrogels for Inhibition of Postoperative Tumor Recurrence and Metastasis	Hee Seung Seo (South Korea)	16 Oct	D1-12W-37
185	A temporary "bloodstream": oxygenating hydrogels increase functional integration of neural stem cell grafts	Yi Wang (Australia)	16 Oct	D1-10W-32
190	Photo-crosslinked gelatin methacryloyl (GelMA)/hyaluronic acid methacryloyl (HAMA) composite scaffold using anthocyanidin as photo-initiator for bone tissue regeneration	Ren-Jei Chung (Taiwan)	17 Oct	D2-10W-43
194	The biophysical cues of cell-derived extracellular matrix (cECM) are associated with its osteogenesis-mediating bioactivity	Lih Ying Shin (Hong Kong SAR)	18 Oct	D3-10W-07
198	Repurposing Human Hair Keratins into Novel Fibers Based on Interfacial Polyelectrolyte Complexation	Laura Li-En Foo (Singapore)	16 Oct	D1-12W-11
202	Scaffold-free Tracheal Engineering via a Modular Strategy Based on Cartilage and Epithelium Sheets	Hai Tang (China)	18 Oct	D3-10W-29
204	Development of a Liver-on-chip Model to Simulate Liver Inflammatory Response	Dhvanii Chawla (Hong Kong SAR)	17 Oct	D2-10W-30
208	The PCK2-glycolysis axis assists three-dimensional-stiffness maintaining stem cell osteogenesis	Zheng LI (China)	18 Oct	D3-10W-16
209	Exudate Absorbing and Antimicrobial Hydrogel Integrated with Multifunctional Curcumin-loaded Magnesium Polyphenol Network	Yan Gong (China)	17 Oct	D2-10W-08

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	for Facilitating Burn Wound Healing			
211	Elastin domain-derived proteins, new types of elastin-like protein that bring the characteristics of human elastin	Seung Kyeum Cho (South Korea)	16 Oct	D1-10W-04
212	Photo-crosslinkable bio-adhesive for reinforced bone graft fixation	Jinyoung Yun (South Korea)	18 Oct	D3-12W-42
216	Human adipose-derived and synovial-derived mesenchymal stem cells synergistically improves the therapy for osteoarthritis	Jianqun Wu (China)	19 Oct	D4-10W-09
217	Axial compressive loading attenuates early osteoarthritis by reducing subchondral bone remodeling	Jianqun Wu (China)	18 Oct	D3-10W-37
218	Steroid-associated osteonecrosis in cortical bone of rabbits and PDGF-BB therapy	Huijuan Cao (China)	19 Oct	D4-12W-18
222	Meniscus regeneration promotion using "mechanical pre-trained" mesenchymal stem cells through YAP-mediated mechanosensing	Liya Ai (China)	19 Oct	D4-12W-07
226	Animal Horn Polypeptide-coupled Thermosensitive Hydrogels in Bone Tissue Repair	Nannan Xue (China)	17 Oct	D2-12W-14
227	Combination of irreversible electroporation and gold-doped mesoporous silica nanoparticles for cancer therapy	Ratchapol Jenjob (South Korea)	16 Oct	D1-12W-35
231	PhaseX (Patient-derived Hydrogel-ASsisted EXplants); A novel approach for evaluating patient response to immune checkpoint inhibitors	Kanishka Fernando (Singapore)	17 Oct	D2-12W-41
235	Dense-layered culture of human dermal papilla cells promotes proliferation while maintaining trichogenic activity	Lei Yan (Japan)	18 Oct	D3-10W-44
241	Serglycin in skin microenvironment promotes skin self-renewal in a CD44-dependent manner based on single-cell RNA sequencing data	Fan Bie (China)	18 Oct	D3-12W-03
243	Annexin A5 Accelerate Diabetic Wounds Healing by Regulating Skin Inflammation	Bijun Kang (China)	18 Oct	D3-12W-43
244	Expansion of human salivary acinar cell spheroids/organoids in 3D hydrogel platforms	Yuli Zhang (Canada)	17 Oct	D2-10W-31
245	Skin substitutes reshaped the commensal wound microbiota is associated with diabetic wound healing	Zeyu Xu (China)	17 Oct	D2-12W-15
246	Red blood cell-mimicking liposomes loading curcumin promote diabetic wound healing by absorbing toxins and mediating inflammatory response	Qinghan Tang (China)	18 Oct	D3-10W-32
247	A Tunable Crosslinked Collagen-Based Dermal Template for Third Degree Burn Wound	Bach Le (Singapore)	16 Oct	D1-12W-33

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250	Improving Cell Adhesion on Plant-based Scaffolds for Tissue Manufacturing	Ratima Suntornnond (Singapore)	16 Oct	D1-12W-36
252	Sprayable CIP-loaded Ti3C2 MXene/SA Hydrogel for Wound Healing and Drug Release System	Hyeongtaek Park (South Korea)	17 Oct	D2-10W-32
253	Decellularized Plant-based Scaffolds for Cultured Meat Production	Deepak Choudhury (Singapore)	17 Oct	D2-12W-34
257	Efficient biocompatible magnetoelectric nanoparticles for biomedical applications	Roman Chernozem (Russian Federation)	16 Oct	D1-12W-40
258	SFRP4+stromal cell subpopulation with IGF1 signaling in human endometrial regeneration	Li Yu (China)	18 Oct	D3-10W-46
259	LINC00346 suppresses PI3K/AKT/NF-κB signaling pathway through miR-25-3p/PTEN axis in inflammatory conditions	Won-ha Lee (South Korea)	18 Oct	D3-10W-36
260	Biomimetic composite gelatin methacryloyl hydrogels for improving survival and osteogenesis of human adipose derived stem cells in 3D microenvironment	Eunhyung Kim (South Korea)	17 Oct	D2-12W-38
261	Ultrashort Echo Time Magnetization Transfer Imaging of Knee Cartilage After Long-Distance Running	Dantian Zhu (China)	19 Oct	D4-10W-43
263	Effects of the peptide bond cis-trans isomerization of peptoid residues on the collagen triple-helix structure	Rong Mao QIU (China)	16 Oct	D1-12W-32
264	Morphology-based prediction of extracellular vesicle production potency of mesenchymal stem cells	Taiki FURUTANI (Japan)	19 Oct	D4-12W-15
273	Clinical Study Of Arthroscopic Repair Of Rotator Cuff Tears	Jun Chen (China)	18 Oct	D3-12W-14
274	Finite Element Analysis Of Patch Bridging Reconstruction Of Rotator Cuff Tears	Jun Chen (China)	18 Oct	D3-12W-15
278	Tyrosinase-mediated Redox System for Tissue Engineering	Su-Hwan Kim (South Korea)	17 Oct	D2-12W-32
280	Addressing the critical quality attribute in Mesenchymal stem cell therapies via CRISPR/Cas9 mediated gene knockout.	Ryota IISAKA (Hong Kong SAR)	19 Oct	D4-12W-24
282	Effect of different storage conditions of dermal fibroblast conditioned medium (DFCM) on biological properties of fibroblast cells	VINOOTHINI KARUNNANITHY (Malaysia)	18 Oct	D3-10W-35

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283	Ambient intelligence for cell manufacturing digital transformation	Kengo Momose (Japan)	19 Oct	D4-10W-29
288	Enabling Cultivated Meat with Tissue Engineering Technologies	Yeshi Liang (China)	45218	D4-10W-44
290	Functional Trachea Reconstruction Using 3D-Bioprinted Native-Like Tissue Architecture Based on Designable Tissue-Specific Bioinks	Yingying Huo (China)	18 Oct	D3-12W-34
294	3D Spheroid-microvasculature-on-a-chip For Tumor-endothelium Mechanobiological Crosstalk	Yingqi Zhang (Australia)	17 Oct	D2-10W-33
296	Biomimetic mechanically strong one-dimensional hydroxyapatite poly(D,L lactide) composite inducing formation of anisotropic collagen matrix	Yonggang Zhang (China)	16 Oct	D1-10W-29
297	Co-axial electrospinning of hyaluronan-based nanofibrils with spontaneous assembly to cells-nanofibrils matrix for the recovery of osteochondral defects	Hoai-Thuong Duc Bui (South Korea)	18 Oct	D3-12W-12
298	Cost-effective and cell-instructive porous PCL scaffolds as mesenchymal stem cell expansion and carrier platforms	Kuan Un Wong (Australia)	19 Oct	D4-12W-31
304	Morphology-based super-early quality prediction for efficient development of elite cell bank	Ryuji Kato (Japan)	19 Oct	D4-10W-24
306	Effect of Silk Fibroin/ Nano-Hydroxyapatite Composite on Immune Responses	Kallista Wong (Singapore)	17 Oct	D2-10W-23
307	Topological self-induced functional reconstruction of biological and biomechanical heterogeneous meniscus	Mingze Du (China)	18 Oct	D3-10W-11
309	Recellularized dLhCG (rLhCG) for Bone Reparation and Regeneration	Cheng MA (Hong Kong SAR)	18 Oct	D3-12W-19
314	In vivo reprogramming by nano-hypoxia of spleen to instruct vasculogenic cell homing	Seyong Chung (South Korea)	18 Oct	D3-12W-25
315	Maintenance of proliferative capacity of human mesenchymal stem cells by methyglyoxal	Kai Torng ANG (Japan)	19 Oct	D4-12W-08
319	3D bio-printing tubular model with vascularization for mimicking the human intestine	Seunghun Son (South Korea)	18 Oct	D3-10W-22
322	Construction of 3D vasculature using stem cell-derived extracellular matrix scaffold	Byoungha An (South Korea)	18 Oct	D3-12W-10
323	Structural and biofunctional evaluation of decellularized jellyfish matrices in wound healing	Wenjun Yu (China)	17 Oct	D2-12W-06
325	A Review of the Research Status of Recombinant Human Collagen	Haihang Li	16 Oct	D1-10W-40

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	in China and Worldwide	(China)		
327	Importance of data design for developing robust image processing with deep learning	Takeru SHIINA (Japan)	19 Oct	D4-10W-33
330	Hydrogel as An Adhesive Coating Layer for Preventing Stent Migration in Rat Esophagus	Chu Hui Zeng (South Korea)	17 Oct	D2-12W-24
337	Targeting collagen damage for sustained in situ antimicrobial activities	Xiaoyun Mo (China)	16 Oct	D1-12W-24
344	The long non-coding RNA IGFBP7-AS1 accelerates stem cells from human exfoliated deciduous teeth odontogenic differentiation by regulating IGFBP7 expression	Dan Wang (China)	19 Oct	D4-12W-13
347	RGD-based Targeted Photothermal Tumor Therapy of Surface-Modified MXene	Soojin Kim (South Korea)	16 Oct	D1-10W-07
350	Evaluation of the cartilage regeneration of polydactyly derived chondrocyte sheets-mini using a xenogeneic transplantation model.	Makoto Ogawa (Japan)	17 Oct	D2-10W-42
351	Technology Transfer for GMP-Compliant Manufacturing Process in Accordance with the Revised PIC/S Annex 1	Nicodemus Wong (Hong Kong SAR)	19 Oct	D4-12W-39
353	Annexin-V alleviates osteoarthritis via macrophage mediated immunomodulation and chondrocyte protection	Zhuoxuan Jia (China)	18 Oct	D3-12W-39
356	Digital Light Processing (DLP) of Biomimicking Radially Graded Scaffolds for Bone Tissue Engineering	Yue WANG (Hong Kong SAR)	16 Oct	D1-10W-15
359	Regenerative Role of Type II Collagen Solution Derived from Supercritical Carbon Dioxide Decellularized Cartilage in Medial Meniscectomy-Induced Osteoarthritis Model	Dar-Jen Hsieh (Taiwan)	17 Oct	D2-12W-35
360	Hemostatic Efficacy of Supercritical Carbon Dioxide Decellularized Acellular Dermal Matrix (ADM) Scaffold Powder and Paste in Rat Spleen Rupture Model	Dar-Jen Hsieh (Taiwan)	17 Oct	D2-12W-36
361	In Vivo Reconstruction of Supercritical Carbon Dioxide Decellularized Kidney in the Rabbit Model.	Dar-Jen Hsieh (Taiwan)	18 Oct	D3-12W-24
362	In vivo, direct xenotransplantation of supercritical carbon dioxide decellularized artery enabled complete recellularization and depicted physiologic-like artery	Srinivasan Periasamy (India)	18 Oct	D3-10W-26
363	3D Printing of Reinforced Blend Hydrogel Tissue Engineering Scaffolds Loaded with an Anticancer Drug	Xiaodie Chen (China)	16 Oct	D1-10W-25
364	4D Printing of Hydro-thermal Responsive Tissue Engineering Scaffolds and Their Properties	Xiaodie Chen (China)	18 Oct	D3-10W-40
369	Development and pathogenesis of patellar tendinopathy in a rat	Ying Rao	17 Oct	D2-12W-04

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	model	(Hong Kong SAR)		
370	Soft-photolithographically Defined Acoustic Template for Arbitrarily Patterned Acoustic Bioassembly	Sihan Chen (China)	19 Oct	D4-10W-34
371	Injectable cryogel microspheres act as modularized cell delivery carriers and sustainable Simvastatin release nano-in-micro multistage system for tissue regeneration	Xiaojing Yuan (China)	17 Oct	D2-10W-02
372	In vitro intestinal model with bacterial beads and dynamic stimuli	Mioto Nishino (Japan)	18 Oct	D3-10W-12
374	Seeking and Identifying Time Window of Antibiotic Treatment Under In vivo Guidance of PbS QDs Clustered Microspheres Based NIR-II Fluorescence Imaging	Sijia Feng (China)	19 Oct	D4-10W-15
376	Spatio-temporally Deciphering Peripheral Nerve Regeneration in vivo after Extracellular Vesicles Therapy under NIR-II Fluorescence Imaging	Sijia Feng (China)	18 Oct	D3-12W-07
379	Functional and Structural Outcomes After Arthroscopic Rotator Cuff Repair With or Without Preoperative Corticosteroid Injections	Sijia Feng (China)	18 Oct	D3-12W-08
380	Bankart Repair With Remplissage Restores Better Shoulder Stability Than Bankart Repair Alone, and Medial or Two Remplissage Anchors Increase Stability but Decrease Range of Motion: A Finite Element Analysis	Sijia Feng (China)	18 Oct	D3-12W-09
381	Investigation of shear flow effect on vascular endothelium under a dynamic flow system.	Vadym Kopych (South Korea)	18 Oct	D3-12W-06
382	Engineering Electrospun Membranes as Functional Biomimetic Tendon Sheath for Enhanced Anti-Adhesion and Tendon Repair	Qiao Yang (China)	18 Oct	D3-10W-43
383	4D Bioprinted Trilayer Biomimetic Scaffolds with Hierarchical Structure for Uterine Tissue Regeneration	Shangsi Chen (Hong Kong SAR)	18 Oct	D3-10W-33
385	Tailoring the multiscale mechanics of tunable elastomeric decellularized extracellular matrix (dECM) for wound healing through immunomodulation	Pu LUO (Hong Kong SAR)	18 Oct	D3-10W-06
387	Cell membrane vesicles derived from hBMSCs and hUVECs enhance bone regeneration	Dandan Wang (China)	19 Oct	D4-10W-08
388	Alginate hydrogel patch combined with extracellular matrix significantly enhances the delivery efficiency of mesenchymal stem cell-derived secretomes for advanced skin wound healing	Jae Won Kwon (South Korea)	16 Oct	D1-12W-09
390	Long-term umbilical cord blood-derived platelet-rich plasma treatment delays ovarian aging in middle-aged female mice	Ying Gu (China)	18 Oct	D3-12W-30

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391	Large-scale preparation of hair microgels using a bioprinter for hair regenerative medicine	Junji Fukuda (Japan)	17 Oct	D2-10W-03
392	Microdevices for Engineering Small Tissues Using Human iPS-derived Cardiomyocytes for Cardiotoxicity Assays	Keiichiro Oiso (Japan)	18 Oct	D3-10W-14
394	4D Printed Multilayered Tissue Engineering Scaffolds for Postoperative Bone Tumor Patients	Jizhuo CHEN (Hong Kong SAR)	18 Oct	D3-10W-34
397	3D printing of bone tissue engineering scaffold with customized structures and biofunctions	Changchun Zhou (China)	17 Oct	D2-12W-29
399	An in-vitro evaluation of novel braided PET artificial ligament for ACL Reconstruction	Shenglin LI (China)	18 Oct	D3-10W-05
402	Construction of Potential miRNA-mRNA Regulatory Network in Liuwei Dihuang Pills on kidney yin deficiency postmenopausal osteoporosis by Bioinformatics Analysis	Jianjun Wu (China)	19 Oct	D4-10W-14
407	High-Efficiency Proteoglycan Analog-Engineered Biomimetic Collagen Scaffold for Corneal Regeneration	Le Ma (China)	17 Oct	D2-12W-12
408	Integrating the Endosteal and Perivascular Compartments of the Bone Marrow Niche in a Microfluidic Device	Ho Ying Wan (Hong Kong SAR)	17 Oct	D2-10W-34
409	A pH-neutral Bioactive Glass Empowered Gelatin-Chitosan Composite Scaffold for Skull Defect Repairing	Yu Liu (China)	16 Oct	D1-12W-13
412	Direct deposition of serum-free bioink on wounds for epidermis formation: in vitro and in vivo validation	Cyrus Beh (Singapore)	18 Oct	D3-12W-13
413	Hyaluronic acid-tyramine based hydrogels encapsulating Lumacaftor-ivacaftor for the treatment of osteoarthritis through CFTR-AnxA1 mediated regulatory chondrocytes.	Jiankun Xu (Hong Kong SAR)	17 Oct	D2-10W-15
415	An injectable hydrogel microsphere-integrated training court to inspire tumor-infiltrating T lymphocyte potential	Qin Shi (China)	16 Oct	D1-10W-01
416	Virus-engineered microsolv electrospun scaffold promotes the reprogramming of fibroblasts to neurons	Qin Shi (China)	16 Oct	D1-10W-02
418	The Effect of Piper Sarmentosum Aqueous Extract on Human Osteoarthritic Articular Chondrocyte	Yi Ting LEE (Malaysia)	17 Oct	D2-12W-05
419	Natural Polymer-based Composite Hydrogels and 3D Printed Scaffolds for Liver Tissue Engineering	Xinyang Zhang (China)	16 Oct	D1-10W-16
420	3D Printed Polysaccharide-based Tissue Engineering Scaffolds Providing Local Chemotherapeutic Effect	Xinyang Zhang (China)	16 Oct	D1-10W-17
421	Scaffold Design and Mechanical Behavior Simulation for Bone Tissue Engineering Scaffolds	Jizhuo CHEN (Hong Kong SAR)	16 Oct	D1-10W-18

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424	Comparative analysis of biological characteristics of meniscal progenitor cells across different species	Wan Ting Yan (China)	19 Oct	D4-10W-10
429	Electrosprayed Regeneration-Enhancer-Element Microspheres Power Osteogenesis And Angiogenesis Coupling	Tianpeng Xu (Hong Kong SAR)	16 Oct	D1-10W-11
430	Engineered brain-like constructs for neural development model and transplantation treatment based on 3D-printed neural progenitor cells	Ke Gai (China)	18 Oct	D3-12W-29
436	Biomaterial based implants caused remote liver fatty deposition through activated blood-derived Kupffer cells	Zhi Peng (China)	17 Oct	D2-12W-16
438	Epileptic Model of Engineered Brain-like Tissue Constructs via 3D Cell-printing Technology	Wei Chen (China)	18 Oct	D3-12W-20
439	Construction of choroid-like vasculature by iPS derived endothelial and retinal pigment epithelium cells with choroidal fibroblasts	Heonuk JEONG (Japan)	18 Oct	D3-12W-37
445	Advanced Prediction of Printing Resolution using Rheology-Informed Hierarchical Machine Learning	Dageon OH (South Korea)	19 Oct	D4-10W-19
447	Multifunctional Fibrous Membrane with Drug-loaded Core-shell Structure for Vascularized Bone Regeneration	Jin Shue (China)	16 Oct	D1-12W-07
448	Nondestructive Assessment of Viscoelasticity of Tissue-Engineered Constructs using Shear Wave Elastography	Garin KIM (South Korea)	19 Oct	D4-10W-20
452	The Potential of Overexpressing Stearoyl-CoA Desaturase1 (SCD1) in Mesenchymal Stem Cells for Therapy Targeting Osteoporosis Model	Young-Jin Seo (South Korea)	19 Oct	D4-12W-44
455	Advanced Approach to Ischemia Treatment through Enzyme-Mediated Oxygen-Releasing Polyphenol Particles	Jinwoo HONG (South Korea)	17 Oct	D2-12W-39
456	Locally sustained delivery of hypoxia inducible factor-1 inhibitor and doxorubicin from iodinated oil based Pickering emulsion for tumor synergistic therapy	Zhijia Li (China)	16 Oct	D1-12W-02
464	3D-Printing of Graphene-Based Scaffolds for Breast Cancer Treatment	Giordano Perini (Italy)	17 Oct	D2-10W-06
465	Static and Dynamic Mechanical Properties of 3D-printed Auxetic Structures for Biomedical Applications	Seung Yun Nam (South Korea)	16 Oct	D1-10W-03
472	Fabrication of Multiscale Structure using Sequential Extrusion-Based Bioprinting for Vascularized Tissue Scaffolds	Jungeun CHOI (South Korea)	18 Oct	D3-12W-40
473	Amniotic epithelial cells loaded GelMA-HAMA hydrogel improve large-area skin wounds healing	Yao Chen (China)	17 Oct	D2-12W-02
476	4D Printed Self-folding Scaffolds with Controlled Growth Factor	Jiahui Lai	17 Oct	D2-10W-13

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Paper No.	Paper Title	Presenting Author	Date	Poster Board No.
	Delivery for Vasculature Regeneration	(Hong Kong SAR)		
477	Treatment of Atopic Dermatitis with ROS-controllable and Multifunctional Polyphenol Carbon Dots Hydrogel	Jeongmin Han (South Korea)	17 Oct	D2-10W-07
479	Development of a Granular Bioink for 3D Bioprinting of Porous Scaffolds	Theresa Seah (Singapore)	16 Oct	D1-10W-10
482	Development of an Injectable Hydrogel for Controlled Release of Menthol in the Treatment of Obesity and Metabolic Disorders	Nu Thu Uyen PHAM (Taiwan)	16 Oct	D1-12W-31
483	Development of Redox-Responsive Micelles for Modulating Tumor Microenvironment and Enhancing Cancer Immunotherapy	Thi-Lan-Huong NGO (Taiwan)	16 Oct	D1-12W-10
484	ROS-responsive nanoceria composite carriers loaded with PTH1-34 for healing of osteoporotic bone defects	Baoyu TAN (Hong Kong SAR)	16 Oct	D1-10W-37
486	AVIFJ For Printing Single Cell Containing Droplets And Examining The Effect Of Nozzle Size On Single Cell Printing Efficiency.	Austin Smith (China)	16 Oct	D1-10W-06
489	Assessing the Potential of Human Umbilical Cord Mesenchymal Stem Cell-Derived Small Extracellular Vesicles (UC-MSC-sEV) in Preventing Scarring	Li Ting Kee (Malaysia)	19 Oct	D4-12W-34
505	High-Resolution Image Detection Using Bacteriorhodopsin and Micro-biomanufacturing Techniques	Mian Wu (China)	19 Oct	D4-10W-42
507	ROS-responsive Mesalazine based mucoadhesive prodrug for IBD treatment	Tae Kyun Kim (South Korea)	18 Oct	D3-12W-16
508	The Role of Nonsteroidal Anti-inflammatory Drugs as Inflammatory Cytokine Regulator to Cartilage Regeneration	Junghwa Choi (South Korea)	18 Oct	D3-12W-38
510	Dissecting the role of the tissue microenvironment in ovarian ageing and infertility	Anna Jaeschke (Singapore)	18 Oct	D3-12W-36
512	Peptide-Glycyrrhizin Conjugate as Dual Actions Agent for Obesity Therapeutic Application	Priscilla Lia (South Korea)	18 Oct	D3-10W-02
513	Aurozyme : A Revolutionary Nanozyme in Colitis, Switching Peroxidase-like to Catalase-like Activity	Lim Gayoung (South Korea)	18 Oct	D3-10W-03
515	Protein X Knockout on Tendon-derived Stem Cell Functions and Histopathology of Tendon	Jiankun Xu (Hong Kong SAR)	19 Oct	D4-12W-25
518	DOCK5 Inhibition Promotes Osteoblast Differentiation and BMP2-Induced Bone Regeneration via Rac1 inhibition and TAK1 Signaling Pathway	Euiyun PARK (South Korea)	18 Oct	D3-12W-27
520	Microparticle-containing Cell Spheroid System as a Tool for Optimal	Minji Kim	18 Oct	D3-12W-04

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Paper No.	Paper Title	Presenting Author	Date	Poster Board No.
	Concentration of TGF- β 1 in Chondrogenic Differentiation	(South Korea)		
521	Multi-functional membrane for effective tendon regeneration by supply of growth factor and tissue adhesion prevention	Ho Yong Kim (South Korea)	18 Oct	D3-12W-31
524	Development of a kinetic model for individual cell potency in culture of human mesenchymal stem cells	Aya IMAI (Japan)	19 Oct	D4-10W-23
527	Application of antibody-conjugated small intestine submucosa to capture urine-derived stem cells for bladder repair in a rabbit model	Yuting Song (China)	18 Oct	D3-10W-24
528	Cell-adaptable Hierarchical Hydrogel with High Stiffness and Fast Relaxation	Zhinan Yang (Hong Kong SAR)	17 Oct	D2-12W-10
529	Preparing tumor-associated macrophages (TAMs)-educated macrophages for wound healing	Rong Yong (China)	19 Oct	D4-12W-38
530	Graphene Polylactic Acid Laser-printing Technology to Enhance Properties of 3D Printed Prosthetics and Medical Devices	Alberto Augello (Italy)	17 Oct	D2-12W-23
542	Enhancing Biophysical and Biological Properties of Polycaprolactone 3D Scaffolds: Graphene Oxide Integration for Customizable Peptide Functionalization via Phage Display Technology	Valentina Palmieri (Italy)	16 Oct	D1-10W-19
548	Positive effects of p53 on osteogenic phenotype induced by BMP-9 in human periosteum-derived cells.	Hyesung Oh (South Korea)	19 Oct	D4-12W-23
553	A Non-degradable Glycan Material Replacing the ECM to Alleviate Intervertebral Disc Degeneration	Yu LIU (Macao SAR)	16 Oct	D1-10W-31
557	Enhancing Mettl14 stability promoted CST regeneration by increasing Trib2 mRNA methylation after spinal cord injury	Chengjun Li (China)	19 Oct	D4-12W-19
561	Enhancement of Therapeutic Potential in Wharton's Jelly Mesenchymal Stem Cells via Priming with Interferon-gamma and Hypoxia	Yu Ling Tan (Malaysia)	19 Oct	D4-10W-03
562	UTX deletion promoted functional recovery by epigenetically regulating microvascular endothelial cells senescence after spinal cord injury	Chengjun Li (China)	19 Oct	D4-12W-20
563	Identification and characterization of human skeletal stem cell-like cells derived from infrapatellar fat pad	Hongbin Lu (China)	19 Oct	D4-12W-21
564	The effect of local sympathectomy on bone-tendon interface healing in a murine rotator cuff repair model	Hongbin Lu (China)	19 Oct	D4-10W-21
566	Rotator cuff healing is regulated by the lymphatic vasculature	Hongbin Lu (China)	18 Oct	D3-12W-32
572	Polyvinyl Alcohol Nanocellulose Sponge: A Promising Scaffold for	Nattha	16 Oct	D1-10W-34

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Paper No.	Paper Title	Presenting Author	Date	Poster Board No.
	Nasal Mucosal Regeneration	Suwanprakorn (South Korea)		
573	Superior Low-immunogenicity of Tilapia Type I Collagen by Inhibiting Activation of Dendritic Cells	Jiao Sun (China)	17 Oct	D2-10W-17
579	Upregulation of UCHL1 in Periodontal Ligament Mesenchymal Stem Cells Promotes Angiogenesis in Periodontitis	Eryi Lu (China)	19 Oct	D4-12W-36
582	Enhancing recellularization and thrombosis prevention of the kidney dECM through albumin coating and rotating culture system	Boyun KIM (South Korea)	18 Oct	D3-12W-17
585	Mg-1Ca alloys and High-purity Mg: Comparative Assessment of the Merits regarding Degradation, Osteogenesis, and Biosafety for Orthopedic Applications in vivo	Hua LU (China)	17 Oct	D2-12W-01
592	Small molecule-assisted assembly of multifunctional ceria nanozymes for synergistic treatment of atherosclerosis	Xiaoxue Fu (China)	17 Oct	D2-10W-04
593	A robust intracellular expansion of super-functioning mitochondria for osteoarthritis mitotherapy	Xuri Chen (China)	18 Oct	D3-12W-21
596	Development of photo-click alginate hydrogels for tissue engineering and biofabrication	Matthew Mail (Australia)	16 Oct	D1-12W-22
598	Electrospun PVA/Gelatin nanofiber with electrical stimulating film for diabetic wound healing	Jeong-Uk Kim (South Korea)	17 Oct	D2-12W-40
603	A Novel Role of ADAMTS13 in Regulating Angiogenic Markers in Human Mesenchymal Stem Cells under Serum-Deprivation Stress	Srishti Dutta Gupta (India)	19 Oct	D4-12W-43
604	Magnetically Assembled Endothelial Cell-Coated Spheroid for Vascularization	Dayeon Roo (South Korea)	17 Oct	D2-10W-35
605	Enhancing the Functions of Vascular Endothelial Cells in vitro	Rikuto SATO (Japan)	19 Oct	D4-12W-27
606	Unique Good Manufacturing Practice (GMP) challenges for Advanced Therapy Products (ATP)	Maggie Chow (Hong Kong SAR)	19 Oct	D4-10W-27
607	A "Nonsolvent Quenching" Strategy for 3D Printing of Polysaccharide Scaffolds with Immunoregulatory Accuracy	Zhencheng Liao (Macao SAR)	16 Oct	D1-10W-30
615	Regeneration of Gastrointestinal Fistulas Using Adipose-Derived Stromal Vascular Fraction Cells and 3D-Bioprinted Scaffold: A Promising Approach	Massimiliano Papi (Italy)	16 Oct	D1-12W-18
619	D-Galactose Induced Ageing Model In C57BL/6 Mice	Vick Key Tew (Malaysia)	18 Oct	D3-10W-15
622	Plasma Enhanced-CVD Deposited Nanodiamonds Coated Ti-	Sumanta Ghosh	16 Oct	D1-10W-08

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Paper No.	Paper Title	Presenting Author	Date	Poster Board No.
	Implants for Preventing Implant-Associated Infections and Better Host Cell Response	(Hong Kong SAR)		
623	Folate-Modified Poly-beta-cyclodextrin Complexing with Indocyanine Green for Targeted Cellular Imaging	Yuting Wen (Singapore)	19 Oct	D4-10W-40
629	Thermo conductive carbon nanotube framed 3D network biomaterials for smart drug delivery system	Ji-hye Kang (South Korea)	16 Oct	D1-12W-03
630	Generation Of Myocardial Infarction Model Using Human iPSC-derived Cardiac Organoids For Drug Efficacy Testing	Su-Jin Lee (South Korea)	17 Oct	D2-10W-36
632	HIF1A knockdown in MSCs affects the regulation of histone H3K9 methylation under hypoxia in vitro	Polina Bobyleva (Russian Federation)	19 Oct	D4-12W-10
635	A HPLC Method for Quantifying Active Molecules in Drug-Loaded 3D Printed Porous Composite Scaffold	Ling Li (China)	19 Oct	D4-10W-25
637	Bioactive hydrogel facilitates the seamless integration of grafts for osteochondral defects after autologous mosaicplasty	Wei Sun (China)	17 Oct	D2-12W-17
641	Glycosaminoglycans composition affects outcomes of multiple differentiation of hMSCs	Xingxing YANG (Hong Kong SAR)	19 Oct	D4-10W-05
642	Development Of A 3D Organ-on-chip Model Of The Collecting Duct For The Study Of Kidney Diseases	Alessandra Grillo (United Kingdom)	17 Oct	D2-10W-37
643	Surface Modification of Lipid Nanoparticles by Poly(2-methacryloyloxyethyl phosphorylcholine) for Improved Cellular Uptake in Gene Delivery	Chitinant Thedrattanawong (Singapore)	16 Oct	D1-12W-04
651	3D-printed implant-derived versatile Mg function as favorable biochemical cues for endogenous stem cells-mediated dual-lineage regeneration of osteochondral defect	Wenxue TONG (Hong Kong SAR)	16 Oct	D1-10W-12
657	Development of biomass-based bioinks through modifying okara for extrusion-based 3D printing of hydrogels	Jingling Zhu (Singapore)	17 Oct	D2-12W-43
658	Stable Mechanical Fixation of Osteochondral Scaffold Enhanced Overlying Cartilage Regeneration	Chaozong Liu (United Kingdom)	17 Oct	D2-12W-31
659	The regulator of the synovial lymphatic system in acute ACL injury and repair: synovial fibroblast-derived IL-6 promotes the lymphatic endothelial cell barrier dysfunction through STAT3/ICAM1	Mingde Cao (Hong Kong SAR)	18 Oct	D3-10W-10
661	Towards Microdroplet Printing of Collagen Scaffold.	Isha Sikri (Ireland)	17 Oct	D2-10W-11
662	Biphasic scaffold with epimedin C promotes osteochondral	Xiangbo Meng	16 Oct	D1-10W-24

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Paper No.	Paper Title	Presenting Author	Date	Poster Board No.
	regeneration in osteoarthritic rats	(China)		
664	PEGylation of Thrombin Inhibitor Peptide Ultravariagin for Longer Circulation Half-Life and Greater Antithrombotic Effect	Xia Song (Singapore)	17 Oct	D2-12W-19
665	Infrapatellar Fat-Pad Derived MSCs for Osteochondral Tissue Engineering	Ho Kwan Jeffrey Leung (Hong Kong SAR)	19 Oct	D4-10W-06
667	Fabrication of the biomimetic glycosaminoglycans (GAGs)-rich scaffold	Xingxing YANG (Hong Kong SAR)	16 Oct	D1-10W-14
668	Induction Of Hypertrophic Cardiomyopathy From Human iPSC-derived Cardiomyocytes Using Mechanical Stress And ET-1	Eunji KIM (South Korea)	19 Oct	D4-10W-07
669	PINCH1 of cancer-associated fibroblasts promotes collagen type 1 and fibronectin expression and tumorigenesis in pancreatic cancer	Rong Wang (Hong Kong SAR)	18 Oct	D3-10W-25
670	Ultrafast Self-assembled Magnesium-Nanocomposite Hydrogels as Minimally Invasive Approach for Mandible Regeneration	Jiankun Xu (Hong Kong SAR)	17 Oct	D2-10W-16
672	Cell-Derived Matrix As An Extracellular Reservoir Of Bioactive Wnt3a	Yu Hin WONG (Hong Kong SAR)	18 Oct	D3-12W-41
674	Engineering a biomimetic immune microenvironment using Multiphoton Microfabrication and Micropatterning (MMM) technology for natural killer cell niche studies	Hoi Ying Man (Hong Kong SAR)	19 Oct	D4-10W-37
675	Reconstituting the Cell-cell Interaction Niche with Multiphoton Microfabrication and Micropatterning (MMM) technology – E-cadherin as an example	Abigail Dee CHEN (Hong Kong SAR)	19 Oct	D4-10W-16
677	CaP nanocomposite-based cfDNA scavenger alleviates periodontitis-related alveolar bone resorption	Yifan Wang (China)	17 Oct	D2-12W-25
678	Co-culture of adipose-derived stem cells (ADSCs) and ADSCs spheroids improves cartilage differentiation of ADSCs.	Eunji LEE (South Korea)	19 Oct	D4-12W-12
681	Regulation of Head and Neck Squamous Cell Carcinoma Migration and Invasion Behaviors by Mild Reduction of Cell Surface	Laurensia Danis Anggradita (South Korea)	18 Oct	D3-10W-01
683	Nanosubstrate engineered for modulating stem cell adhesion and endocytosis	Bohan YIN (Hong Kong SAR)	17 Oct	D2-12W-26
684	Red blood cell extracellular vesicles incorporated into 3D printed scaffolds for spinal cord injury regeneration	Chongquan Huang (Singapore)	17 Oct	D2-10W-05
685	The Mechanism of Bone Marrow Mesenchymal Stem Cell-Derived Exosomes Carrying siRNA target HOTAIR on the Differentiation of	Min Yi (China)	19 Oct	D4-10W-11

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Paper No.	Paper Title	Presenting Author	Date	Poster Board No.
	Bone Marrow Mesenchymal Stem Cells in Steroid-Induced Femoral Head Necrosis			
686	Investigation of biological effect of cold plasma on adipose stem cells	Chih-Hsun Lin (Taiwan)	19 Oct	D4-12W-40
687	Collagen-based Biomimicking Material for Generating: Drug Screening Platform for Personalized Medicine	Lok Him Ko (Hong Kong SAR)	16 Oct	D1-12W-27
688	Hydrogel with photothermal/photoelectricity effect mediates interactive regulation of dual-signal of lab-on-paper biosensor to detection human papillomavirus	Jinghua Yu (China)	19 Oct	D4-10W-38
689	In Situ Grown COFs Containing Single Fe Sites on CdS for Electrochemical Detection of NO Released from Living Cells	Jinghua Yu (China)	19 Oct	D4-10W-39
694	Nerve Growth Factor-Derived Peptides Accelerate Osteogenesis Of Human Bone Marrow Mesenchymal Stem Cells	Xiao Li (Hong Kong SAR)	19 Oct	D4-12W-01
695	Effect of Collagen IV and Laminin Cross-gradient on Epithelialization Studies	Maitraee MISTRY (Hong Kong SAR)	19 Oct	D4-12W-37
696	Development of a chemically defined Co4-LN Crosslinked basement membrane for Epithelialization studies	Maitraee MISTRY (Hong Kong SAR)	16 Oct	D1-12W-15
697	Chemical modified composite hydrogels enhance engineered cartilage formation	Zheyuan Zhou (Hong Kong SAR)	18 Oct	D3-12W-01
699	Phosphorylated focal adhesion kinase by mild reduction of cell surface proteins inhibits a RhoA/ROCK2-dependent adipogenic differentiation	Ji hoon Jeong (South Korea)	19 Oct	D4-12W-30
700	Transplantation Device for Regenerative Therapy Using Biodegradable Nonwoven Fabrics with Strongly Oriented Fiber	Hiroshi SUNAMI (Japan)	18 Oct	D3-10W-27
704	Heat and Pressure-assisted Soft Lithography- and Plasma-based Multiscale Structures for Soft and Hard Tissue Engineering	Woochan Kim (South Korea)	18 Oct	D3-10W-21
705	Chondrocyte-targeted synergistic delivery of siRNA and therapeutic chondroitin sulfate to alleviate osteoarthritis	Hang Su (China)	16 Oct	D1-12W-01
710	Chondroitin sulfate-modified cerium oxide nano-particles targeting chondrocyte's Golgi for the treatment of osteoarthritis	Yongrui Cai (China)	18 Oct	D3-12W-18
711	Direct micropatterning of Wnt5a gradient using a multiphoton microfabrication platform	Mina Razaghzadeh Bidgoli (Hong Kong SAR)	16 Oct	D1-12W-26

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Paper No.	Paper Title	Presenting Author	Date	Poster Board No.
713	Functionalized multi-walled carbon nanotube platforms for enhanced gliotransmission and astrocyte proliferation	Tanza Baby (South Korea)	18 Oct	D3-10W-30
714	The Development of 3D Cell Printing Model of Blood-Brain Barrier for Studying White Matter Hyperintensity	Kai Hei Tse (Hong Kong SAR)	17 Oct	D2-10W-26
718	Anti-Angiogenin-Like Protein 4 Antibody Alleviates Rheumatoid Arthritis By Inhibiting Joint Destruction And Inflammation	Wenxiang Cheng (China)	18 Oct	D3-10W-38
719	Multiphoton-based Cell Niche Screening for Intestinal Epithelial Culture	Chun Hin Chris CHAN (Hong Kong SAR)	19 Oct	D4-10W-18
722	Fabrication of aligned collagen structures using dehydration-assisted bioprinting system	JaeYoon Lee (South Korea)	17 Oct	D2-10W-25
723	Targeting Engineered Exosomes Loaded with Immune Activator for Osteosarcoma Treatment	Wenxue TONG (Hong Kong SAR)	16 Oct	D1-10W-13
725	Development of A Gelatin-Based Double Network Dynamic Hydrogel for Vascularized Tissue Engineering	Runze Xu (China)	16 Oct	D1-10W-28
727	Recombinant humanized type III collagen improves vaginal laxity	Xiaojing Dong (China)	18 Oct	D3-12W-05
729	Spatiotemporal transcriptomic landscape of developing mouse tendon	Tingyun Lei (China)	19 Oct	D4-10W-36
730	Establishment of a coculture system with bovine osteochondral and synovial explants as an ex vivo inflammatory osteoarthritis model	Martin Stoddart (Switzerland)	17 Oct	D2-10W-38
733	Bioinspired Cyclic Compression Enhances Chondrogenesis In A 3D Printed Composite Bioscaffold	Hon Son Ooi (Hong Kong SAR)	17 Oct	D2-10W-09
734	Influencing neurotrophic factor expression using electric fields and scaffold fibre alignment	Quy-susan Huynh (Australia)	18 Oct	D3-10W-17
735	Promotion of peripheral nerve system remyelination (and underline mechanism) by cell therapy	Pei-Yi OU YANG (Taiwan)	19 Oct	D4-10W-13
736	3D printed marine-based biocomposite for skin tissue regeneration	Geun Hyung Kim (South Korea)	16 Oct	D1-10W-23
737	Construction of Polycaprolactone Electrospun-Decellularized Human Umbilical Arterial Scaffold as Small Diameter Vascular Graft	Chih-Hsun Lin (Taiwan)	16 Oct	D1-12W-30
739	A single cell niche engineering platform controls asymmetric cell division of stem cells	Nan HUANG (Hong Kong SAR)	19 Oct	D4-10W-04
742	Fibrin-based myocardial sheet stacking generates three-dimensional cardiac tissue with high transplantation efficiency	Sakaguchi Katsuhisa	18 Oct	D3-12W-44

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Paper No.	Paper Title	Presenting Author	Date	Poster Board No.
		(Japan)		
745	A tumor-on-chip platform for immunotherapy based on lung cancer assembloids	Zixuan Wang (China)	17 Oct	D2-10W-44
747	Development And Characterization Of Exosome-loaded Gelatine Hydrogel Cross-linked With Genipin For Vocal Fold Regeneration In Glottic Insufficiency	Zarqa Iffah Zamlus (Malaysia)	17 Oct	D2-12W-07
748	3D Bio-printed Bi-layer Endometrial Construct for Functional Regeneration of Uterine Endometrium	Nanfang Nie (China)	16 Oct	D1-12W-29
749	Hyaluronic Acid Methacrylate Contained Biomimetic Interphotoreceptor Matrix Bioink Supports Bioprinting and in situ Differentiation of Neural Stem Cells	Xiao Luo (China)	16 Oct	D1-10W-27
751	Rapid Printed Double-layer Scaffold With Ultra-small Nano-oligomers For Osteochondral Regeneration	Yuqing Gu (China)	17 Oct	D2-12W-11
752	Calcium carbonate coating of PLA scaffolds by pressure-assisted and heat-induced method	Mario Monzón (Spain)	16 Oct	D1-12W-17
753	10-hydroxy-2-decenoic Acid Protects against Osteoarthritis through targeting Aspartyl β -hydroxylase	Fengjin GUO (China)	18 Oct	D3-10W-45
754	Development of methacrylated gelatin-based traction and intracellular stress measurement techniques to understand mechanotransduction of stem cells during single-cell and collective migration	Sung Sik Hur (South Korea)	19 Oct	D4-10W-35
755	Development of analysis system for in vitro drug sensitivity with genetic LQTS and BrS patient derivatives	Yun-gwi Park (South Korea)	19 Oct	D4-10W-31
756	Paintable Decellularized-ECM Hydrogel for Enhancing Cardiac Repair and Angiogenesis in Myocardial Infarction	Jaewoo Lee (South Korea)	16 Oct	D1-12W-28
757	Epigenetic regulation and gene profiles of direct reprogramming of human adipose-derived stem cells into neurospheroids	Ming-min Chang (Taiwan)	19 Oct	D4-12W-17
760	Design, development and pre-clinical testing of articulated robotic in situ bioprinter for skin wound healing	Aleksandr Levin (Russian Federation)	16 Oct	D1-10W-20
762	Therapeutic tissue regenerative nanohybrids self-assembled from bioactive inorganic core chitosan shell nanounits	Ye Sung Lee (South Korea)	18 Oct	D3-12W-26
763	Effect And Mechanism Of YaoBiTong Capsule On Rat Puncture-induced Intervertebral Disc Degeneration Model	Wenxiang Cheng (China)	18 Oct	D3-10W-39
764	Smart Hydrogel Biomaterials as Drug Carriers for Corneal Wound	Jui-Yang Lai	16 Oct	D1-12W-08

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Paper No.	Paper Title	Presenting Author	Date	Poster Board No.
	Healing	(Taiwan)		
768	Pre-Vascularized Co-Culture Hydrogel System for Islet Transplantation	Seh Ri OH (South Korea)	17 Oct	D2-12W-28
771	Sodium containing magnesium alloys enhance bone regeneration by angiogenesis aided osteogenesis and regulated biological apatite formation	Huafang LI (China)	18 Oct	D3-12W-33
774	Phosphorylated focal adhesion kinase by mild reduction of cell surface proteins inhibits integrin $\alpha 5\beta 1$ -dependent patient-derived cancer cell migration and invasion	Joohyun Kim (South Korea)	18 Oct	D3-10W-13
777	"Decellularized Extracellular Matrix-Based Models for Breast Cancer Research: Organoid Culture and Pharmacological Screening"	Julia López de Andrés (Spain)	17 Oct	D2-10W-39
778	Decellularised Extracellular Matrix-Based Bioinks for Osteochondral Tissue Regenerative Medicine	Ms. Ana Voltés Martínez (Spain)	17 Oct	D2-10W-45
779	Recreating the Pancreatic Cancer Microenvironment: Breakthroughs in Organoid-Based Tumor Models for Advanced Therapeutics Research	Julia López de Andrés (Spain)	17 Oct	D2-10W-40
780	Use of autologous patient-derived cell culture dECM as biomimetic material for tissue engineering	Ms. Ana Voltés Martínez (Spain)	18 Oct	D3-12W-45
783	Bionic microenvironmental modulated scaffold based on DLP 3D printing with vesicle self-assembly modification for large segment bone regeneration	Wenbin Jiang (China)	17 Oct	D2-10W-20
784	Fabrication and mechanical enhancement of a cell-laden aligned porous construct for tendon tissue regeneration.	Youngwon Koo (South Korea)	17 Oct	D2-12W-44
788	Using stem cell-derived nanovesicles (scNVs) as a scalable, cell reprogramming therapeutic strategy for cardiac repair	Jonathan LOZANO (Australia)	19 Oct	D4-12W-26
789	Binary colloidal crystals (BCC): A platform for investigating mechanotransduction and cell fate specification during reprogramming	Javad Harati (China)	17 Oct	D2-10W-12
791	3D-cultured cancer spheroid behavior within decellularized extracellular matrix (dECM) powder based bioink.	Mako Kobayashi (Japan)	16 Oct	D1-12W-16
793	Fabricating a biphasic scaffold mimicking the osteotendinous and tendomuscular region to study stem cell progression	Akshay Bhatt (India)	17 Oct	D2-12W-22

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Paper No.	Paper Title	Presenting Author	Date	Poster Board No.
794	Methylcellulose hydrogel-based compressible strain sensor fabricated by combination of projection lithography and direct ink writing methods	Sorour Sadeghzade (China)	16 Oct	D1-10W-41
795	Stepwise Dual-release Microparticles of BMP-4 and SCF in Induced Pluripotent Stem Cell (iPSC) Spheroids Enhance Differentiation into Hematopoietic Progenitor Cells	Alvin Bello (South Korea)	19 Oct	D4-12W-06
796	Fibro-adipogenic progenitors-derived TGF- β 1 is a key molecule in regulating muscle regeneration and ectopic mineralization	La Li (China)	19 Oct	D4-12W-32
797	Multiplexed PLGA scaffolds with nitric oxide-releasing zinc oxide and melatonin-modulated extracellular vesicles for chronic kidney disease	Dong Keun Han (South Korea)	17 Oct	D2-12W-37
798	Generation of universal hiPSCs and their differentiation into RPE	Kailibinuer Maitiruze (China)	19 Oct	D4-12W-02
799	Continuous 3D Printing of Gelatin/Oxidized Alginate Scaffolds with Gradient Porosity for Bone Tissue Regeneration Applications	Fariza Mukasheva (Kazakhstan)	17 Oct	D2-10W-01
801	LDH-doped Gelatin-chitosan Scaffold With Aligned Microchannels Improves Anti-inflammation And Neuronal Regeneration With Guided Axon Growth For Effectively Recovering Spinal Cord Injury	Zhaoqi Wang (China)	17 Oct	D2-12W-13
803	3D Printing of Gelatin/Oxidized Carboxymethyl Cellulose Scaffolds with Gradient Porosity for Bone Tissue Regeneration Applications	Aibek Dyussenbinov (Kazakhstan)	17 Oct	D2-12W-20
804	Development of a 3D osteogenic niche (3DON) to support the survival of acute myeloid leukemia (AML) cells in cultures for drug screening	Hoi Lam CHEUNG (Hong Kong SAR)	17 Oct	D2-10W-41
805	Generation of universal hiPSCs and their differentiation into RPE on matrigel-coated surface	Kailibinuer Maitiruze (China)	19 Oct	D4-12W-03
806	Enhancing Bone Tissue Regeneration: An Enzyme-Triggered Cross-Linking Approach For 3D Printing Of Cell-Laden Scaffolds	Bota Yernaimanova (Kazakhstan)	17 Oct	D2-12W-27
809	Modified exosome carrier for targeted gene delivery of glioblastoma	Subin Kang (South Korea)	16 Oct	D1-12W-39
812	Enhanced Bone and Tissue Regeneration Potential with multi-Substituted Nanoparticles Synthesis, Characterization, and In Vitro	Fahad Alhamoudi (Saudi Arabia)	18 Oct	D3-12W-28

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Paper No.	Paper Title	Presenting Author	Date	Poster Board No.
	Evaluation			
815	Glucose As A Stimulus For Dynamic Crosslinking Of Hydrogel Scaffolds: Injectable And Shape-Adaptive Hydrogel Scaffolds For Bone Tissue Regeneration Applications.	Ainur Zhanbassynova (Kazakhstan)	17 Oct	D2-12W-21
816	Stem cell therapy using cell-assembling collagen microgel for critical limb ischemia repair	Sangheon Kim (South Korea)	45215	D1-10W-39
817	Integrative in-situ 3D bioprinting platform for programmable delivery to regenerate knee cartilage	Kai Xie (United Kingdom)	17 Oct	D2-10W-22
818	A Therapeutic Nanovaccine that Generates Anti-Amyloid Antibodies and Amyloid-Specific Regulatory T Cells for Alzheimer's Disease	Mungyo JUNG (South Korea)	18 Oct	D3-12W-11
819	The in vivo efficacy evaluation of MSC-XenoMEM-graft and MSC-sheets in diabetic wound healing	Shanshan Du (Ireland)	19 Oct	D4-12W-42
820	Natural nanoparticles for the treatment of osteoporosis by synergistically enhancing bone formation and reducing bone resorption	Xi Chen (China)	17 Oct	D2-12W-33
822	Modulating the modulus: how lattices can be used to prevent periprosthetic osteopenia following endoprosthetic reconstruction surgery	Reza Sanaei (Australia)	18 Oct	D3-10W-20
823	Tissue inhibitor matrix metalloproteinase 1 overexpression improves cell viability and therapeutic efficacy of cell spheroids	Sangheon Kim (South Korea)	18 Oct	D3-10W-23
824	Comparing 3D culture platforms: Microwell-type plate vs. Novel cell culture plate fabricated using particle array film technology	MinKyu KIM (South Korea)	16 Oct	D1-12W-25
825	Preconditioning with Substance-P can enhance the efficacy of aged human adipose-derived stem cells under inflammatory conditions by restoring angiocrine and repopulation potential	Hyun Sook Hong (South Korea)	19 Oct	D4-12W-22
827	Mimicking in vivo dermal papilla of hair follicle	Hyun Woo Joo (South Korea)	18 Oct	D3-12W-35
828	A 3D Patterned Polymeric Bone Mimicking Scaffold as an Effective Bone Substitute	Jeong Ok Lim (South Korea)	17 Oct	D2-10W-18
829	A Novel Ultra-Thin Deposition of Graphene Oxide on the Plastic Culture Substrate and Its Biomedical Application Potential	Jeung Soo Huh (South Korea)	17 Oct	D2-10W-19
830	Polymethylpentene-based new culture plates can overcome the diffusion limitation of oxygen and enable aerobic respiration toward better physiological in vitro liver tissue models	Yasuyuki Sakai (Japan)	19 Oct	D4-10W-32
831	Role of podoplanin for cellular senescence-related changes in mesenchymal stem cells	Ha Yeong Kim (South Korea)	19 Oct	D4-12W-16

Poster Presentations

Paper No.	Paper Title	Presenting Author	Date	Poster Board No.
832	An Adhesive Drug-loaded Photo-crosslinked Hydrogel To Alleviate Ulcerative Colitis By Endoscopic Delivery Strategy	Ting Chen (China)	16 Oct	D1-12W-05
833	Phenotypic Maturation of hiPSC-derived Notochordal Cells for Intervertebral Disc Regeneration	Anne CAMUS (France)	19 Oct	D4-12W-09
834	Gelatin methacryloyl nanofibers with crimping structures control morphological attributes of cultured cells	Chien Wei Wu (Taiwan)	16 Oct	D1-10W-05
835	Fabrication of Anisotropic Polyvinyl Alcohol Hydrogels for Tissue Engineering	Chaonan Xiao (China)	16 Oct	D1-10W-26
836	Effects of chronic microgravity culture on contractile function and gene expression responses in 3D tissue-engineered muscle.	Yuka Nakanaga (Japan)	18 Oct	D3-10W-08
837	Discovery of novel vasculogenic multipotent stem cells from the adipose tissues and their characterization in vitro.	Do Young Kim (South Korea)	19 Oct	D4-12W-04
838	Generating Steerable Stem-cell Based Microrobots for Neurogenesis	Ki Chan (Hong Kong SAR)	17 Oct	D2-12W-30
839	Evaluation of novel cellular arrhythmia models in Brugada syndrome patient-specific iPSC-derived cardiomyocytes	Na Kyeong Park (South Korea)	19 Oct	D4-12W-41
840	Next-generation cell and material-based therapies for cartilage regeneration	Jacqueline LEON RIBAS (United Kingdom)	16 Oct	D1-10W-21
841	A wearable far-infrared emitting device for effectively ameliorating postoperative peritoneal adhesion	Zheng Wang (China)	17 Oct	D2-12W-08
842	A Mn-MOF modified sericin nerve conduit capable of remodeling Schwann cells for effectively repairing long-gap peripheral nerve injury	Lin Wang (China)	18 Oct	D3-10W-04
845	Bio-Monitoring of a Reconstructed Human Skin Equivalent Using the In Vitro 'Living' Diffusion System	Chaewon Woo (South Korea)	19 Oct	D4-10W-17
846	Enhanced 3D Alignment of C2C12 Myotubes by Magnetic Field	Suk Hyeon Hong (South Korea)	19 Oct	D4-10W-22
847	Catalase-Mimetic Artificial Biocatalysts with Ru Catalytic Centers for ROS Elimination and Periodontitis Treatment	Yimin Sun (China)	17 Oct	D2-12W-03