

TERMIS-AP + ABMC7 2019
 Brisbane Convention and Exhibition Centre
 Poster session schedule: 14 - 17 October 2019

Monday 14 October Poster Session

Paper ID	Poster Board No.	Primary presenter First name	Primary presenter Last name	Title	Scientific Area
929	1	Che-Yi	Chang	Preparation of Extracellular Vesicles loaded with Herbal Compound for Anti-angiogenic Treatment	Biology
625	2	Jessica	Frith	Engineering mesenchymal stem cell paracrine activity with 3D culture	Biology
669	3	Steven	Posniak	3D Printing Scaffolds for Cartilage Regeneration for Craniofacial Reconstruction	Biology
436	4	Surakshya	Shrestha	A microRNA delivery system to promote bone regeneration by mesenchymal stem cells	Biology
566	5	Jang Woo	Yang	Bioengineered Mussel Adhesive Protein-Based Nanoparticles for CRISPR/Cas9-System Delivery	Biology
869	6	Reuben	Staples	The development of a melt electrospinning writing biphasic scaffold with fibre guiding properties for functional periodontal regeneration	Biology
205	7	Eriko	Toyoda	Analysis of proteomic factors associated with autocrine and paracrine effects of chondrocyte sheets	Biology
491	8	Kawaguchi	Yuka	Evaluation of the chondrogenic ability of chondrocyte sheets	Biology
714	9	Carmine	Onofrillo	A beacon to predict neocartilage generation in 3D bioscaffolds	Biology
722	10	Hoda	Elkhenany	A functional comparison of human meniscus fibrochondrocytes and bone marrow mesenchymal stem cells on 3D collagen I scaffolds for tissue engineering the inner meniscus	Biology
403	11	Nabillah	Abd Radzak	Combined Effect of Bone Marrow Concentrate and Platelet Rich Plasma in Treating Focal Cartilage Defect - in vivo Preliminary Study Using Rabbit Model	Biology
207	12	Bin	Li	Vascular Network Assembly in 3D Bioprinted skin by Traction Forces	Biology
832	13	Indira	Prasadam	Mixed Cell therapy of bone marrow-derived mesenchymal stem cells and articular cartilage chondrocytes ameliorates osteoarthritis development	Biology
96	14	Yumei	Zhang	Biophysical Regulation of Macrophages M2 Polarization Through ERK-Autophagy	Materials
155	WITHDRAWN	Ayato	Yasuda	Effect of collagen concentration on mechanical properties of OCP/Collagen	Materials
599	16	Gyeong Mi	Seon	Application of Collagen Dermal Substitute Containing with Asiaticoside/ε-poly-L-lysine for Burn Wound Healing	Materials
210	17	Lei	Chen	3D Printing Li ₂ Ca ₄ Si ₄ O ₁₃ bioscaffold for Osteochondral Reconstruction	Materials
95	18	Wen	Song	Manipulating Immune Response by C3N4 for Bone Regenerative Application	Materials
127	19	Gulsan Ara Sathi	Kazi	Zinc an essential element for early parasympathetic innervation	Materials
218	20	Wei Lee	Lim	Polycaprolactone-Gelatin Nanofibers for Tendon/Ligament Tissue Engineering	Materials
505	21	Qiang	Yang	Regional dual-sustained-release biomimetic silk fibroin composite scaffolds for restoration of large-scale osteochondral defect	Materials
261	22	Zhengmao	Li	The Ca-Zn-Si-based micro-nano spheres for pulp capping application	Materials
301	23	SukYoung	Park	Allografts applying a novel decellularization method to nerves of cadaver	Materials
373	24	Nike	Dewi utami	Characterization of Polymerized Gelatin Hydrogel for Skin Wound Healing	Materials
415	25	Jingxin	Yang	Degradable Biologically Mg and mineralized Collagen Composites for skull repair	Materials
498	26	Ika	Ana	PGA Reinforced Gelatin Carbonate Apatite Membrane for Regenerative Surgery in Dentistry: Its Characterization and Cytotoxicity Test	Materials
500	27	Jiongyu	Ren	Bioinspired polycaprolactone and strontium-substituted bioactive glass composite scaffolds for bone regeneration	Materials
504	28	Zhen	Zhang	Collagen/nano-sized β-tricalcium phosphate conduits combined with collagen filaments and nerve growth factor promote facial nerve regeneration in miniature swine: an in vivo study	Materials
521	29	Shaokai	Liu	Collagen functionalized with graphene oxide enhanced biomimetic mineralization and in situ bone defect repair.	Materials
534	30	Jun Yung	Shin	PCL/HA Hybrid Microspheres as a Bone Substitute Material	Materials
619	31	Dae Hyeok	Yang	Preparation of EGF and Basic FGF-loaded Visible Light-curable Glycol Chitosan Hydrogels as Scaffolds in Wound Healing	Materials
662	32	Jin Myoung	Yoo	Fabrication of laser-controlled oxygen-releasing carriers for tissue engineering applications	Materials
711	33	Anwsha	Barik	Characterization and Biocompatibility of Titanium Implants Coated with Polycaprolactone Microsphere Embedded Silk Fibroin	Materials
735	34	Matthew	Mail	Evaluation of Bioinks for 3D Bioprinted Human Skin Models	Materials
751	35	Premalatha	Jagadeesan	Development of an engineered skin substitute for the treatment of burn injuries	Materials
788	36	Julia	Kulkova	Pre-Clinical Evaluation of Biological Efficacy and Safety of Novel Solutions for Bioactive Bioresorbable Boosters for the Reconstructions of Large Bone Defects.	Materials
821	37	Changshun	Ruan	3D printing of High Strength Biohybrid Gradient Hydrogel Scaffolds for Efficient Repair of Osteochondral Defect	Materials
865	38	Hoang Phuc	Dang	Dual scale Macro/micro Porous Scaffolds for Bone Tissue Regeneration	Materials
1048	39	Shuheng	Huang	Genetic modification to induce CCR2 overexpression in mesenchymal stem cells enhances treatment benefits in diabetic periodontitis	Materials
116	40	Yung-Te	Hou	Decellularized liver matrix for hepatocyte rescue in acute liver toxicity	Materials
305	41	Sang Su	Ha	A novel skin patch using decellularized ECM and MSCs for wound repair	Materials
308	42	Eui Sun	Song	Cell-derived ECM and mineral composite scaffold for bone regeneration	Materials
537	43	Michael	Yang	The Matrix: Building More Bioactive Extracellular Matrices	Materials
700	44	Nathaniel	Dugos	Effect of Decellularization Parameters in the Production of Renal Extracellular Matrix Scaffolds	Materials
319	45	Ansook	Kim	Preliminary clinical study to evaluate the effect of oral care with SilkGargle	Materials
417	46	Yusuke	Kambe	Effects of Biodegradation of Silk Fibroin Hydrogels on the Prevention of Negative Left Ventricular Remodeling After Myocardial Infarction	Materials
494	47	Tze-Wen	Chung	Multifunctional SF/HA/PDA hydrogels co-delivery curcumin by silk nanoparticles for the repair of intervertebral disc degeneration	Materials
527	48	Rikako	Hama	Silk fibroin modification to improve cell responsiveness for wound healing	Materials
299	49	Jae Hyun	Kim	Recombinant Fusion Protein Delivery with hMSC-derived Exosomes as a carrier	Materials
340	50	Yogeswaran	Lokanathan	Secretome Loaded Gelatin Sponge for Nasal Mucosa Wound healing	Materials
341	51	Jegadevswari	Selvarajah	Genipin Crosslinked Gelatin Sponge vs Commercial Polyurethane Nasal Packing	Materials
518	52	Won-Kyu	Rhim	Stem cell membrane vesicles-cloaked nanoparticles for cancer therapy	Materials
587	53	Yi	Wang	Protein-engineered oxygen vectors to accelerate stem cell therapeutics	Materials
616	54	Nhiem	Tran	Paclitaxel loaded self-assembled lipid nanoparticles for skin cancer therapy	Materials
680	55	Lilith	Caballero Aguilar	Advanced Delivery Systems for Growth Factors	Materials
701	56	Masao	Kamimura	Polymer Conjugated Fluorescent Nanoparticles for Over-1000 nm Near-Infrared (NIR-II/III) in vivo Imaging	Materials
704	57	Kiara	Bruggeman	Tempering the Nanoparticle Diffusional Release Profile	Materials
98	58	Guoping	Chen	Nanoencapsulation of Individual Mammalian Cells	Materials
508	59	Xuan Hao	Tan	Development of a composite silk-based bio-ink for extrusion bio-printing	Technology
447	60	Greeshma	Ratheesh	Design and Fabrication of a Hierarchical Scaffold to Improve the Efficiency of Cell Condensation for Bone Tissue Regeneration	Technology
646	61	Toshihiro	Usui	Co-culture of intestine cancer cell sheets and microbeads encapsulated bacteria for in vitro intestine model	Technology
659	62	Ho Yeol	Lee	The function of carrageenan on 3D printability of alginate-based hydrogel	Technology
159	63	Miya	Ishihara	Development of noninvasive photo-acoustic method for cartilage regeneration	Technology
212	64	Takashi	Kakimoto	Earthquake Effect on Cell Culture Vessels	Technology
228	65	Masato	Sato	Articular cartilage regeneration using polydactyl-derived chondrocyte sheets cryopreserved by vitrification method.	Technology
649	66	Guangzheng	Yang	Magnetically Controlled Growth Factor Immobilized Multilayer Cell Sheet for Tissue Regeneration	Technology
434	67	Yuanxiang	Liu	Effect of Fluorinated Porcine Hydroxyapatite on Horizontal Alveolar Ridge Augmentation in Beagle Dogs	Translation
245	68	Eri	Okada	Evaluation of Allogeneic Chondrocytes Derived from Polydactyl Surgery for the Regenerative Treatment of Knee Joint Cartilage	Translation
375	69	Jisun	Huh	Animal model for medication related osteonecrosis of the jaw(MRONJ)	Translation
172	70	Ji-Ung	Park	PMPC coating alleviate capsule formation around silicone breast implants	Biology

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Tuesday 15 October Poster Session

Paper ID	Poster Number			Title	Scientific Area
482	1	Stephen	Pahoff	Tissue-engineered fibre-reinforced hydrogels for articular cartilage repair	Biology
191	2	weidong	gao	Computational fluid dynamics analysis for cell carrier model	Biology
525	3	Zay	Oo	Development of 3D fibrosis model for biomaterial testing	Biology
691	4	Jeong Seok	Lee	Reconstruction of Complex Maxillary Defects Using Patient-specific 3D-printed Biodegradable Implant	Biology
707	5	Shiho	Wasai	Viability of polydactyl-derived chondrocyte sheets-mini after injection	Biology
655	6	Yuna	Han	Antioxidant effect of verapamil promote acute wound healing	Biology
425	7	Xifang	Chen	3D printing ulvan-84-based structures for wound healing	Biology
556	8	Walaa	Mohamed	Tissue density regulates macrophage-mediated inflammatory microenvironment and monocyte infiltration	Biology
889	9	Jason	Palmer	Host cell infiltration leading to neovascularisation and adipogenesis in hydrogels in vivo - a histological study	Biology
747	10	Huan Ting	Ong	Secretome Benefits of Human Mesenchymal Stem Cells for Wound Healing in the Eardrum	Biology
388	11	Angela Min Hwei	Ng	Conditioned Medium from Infrapatellar Adipose Tissue-Derived Stem Cells Promoted Wound Healing in Diabetic Rats	Biology
679	12	Daejin	Min	Skin Wound Healing Research using Reconstructed Skin Wound Model and Optical Coherence Tomography	Biology
733	13	Abbas	Shafiee	Immunosuppression agent cyclosporine reduces in vivo progenitor and functional capacity of human endothelial colony forming cells	Biology
190	14	Da-Un	Jeong	Optimal Tumor Formation of Canine Mammary Carcinoma CF41.Mg Cells	Biology
306	15	Cininta	Savitri	Macrophages-mediated Conditioned Media on Cell-Derived ECM	Biology
186	16	Mingwu	Deng	EVs protect against fibroblast photoaging	Biology
280	17	Jienny	Lee	Cytotoxicity of CD5(-) Natural Killer Cells on Canine Mammary Tumor Cells	Biology
281	18	Jienny	Lee	Comparison of Characteristics between Stem Cells and Mammary Tumor Cells	Biology
346	19	Chiaki	Yoshikawa	Novel contact lens having properties of anti-biofouling and drug releasing	Materials
779	20	Eunsun	Lee	Characterization of Radiosensitive BRAP for Drug Delivery System	Materials
806	21	Ching-Li	Tseng	A novel peptide-nanoformulation as eye drop with Nox2 inhibition capacity to reduce the vessel ingrowth in cornea	Materials
861	22	Rebecca	Sehnert	Nicotinic Acid Mononucleotide Supplementation via a Drug Releasing Hydrogel	Materials
959	23	Bruna	Cambraia Garms	Synthesis of Polyphosphazene for Biomedical Application	Materials
963	24	Asim	Mushtaq	Curcumin loaded chitosan and PEGylated chitosan nanoparticles for enhanced delivery of curcumin to cancerous cells	Materials
247	25	Keiko	Oai	Antibacterial PEEK with nanometer-scale graft layer of quaternary polymers	Materials
345	26	Hui	Feng	A long-term stable supramolecular hydrogel for antimicrobial applications	Materials
347	27	Chiaki	Yoshikawa	Surface functionalization using bioinactive semi-IPN gel layers	Materials
495	28	Chiaki	Yoshikawa	Bioinert and bioactive coatings based on poly(2-hydroxypropyl acrylamide)	Materials
839	29	Silvia Catalina	Cometta Conde	Immobilization of Cefazolin on synthetic polymers for biofilm prevention	Materials
859	30	Henning	Menzel	Self-Binding Polymers as antibacterial coatings for metallic and ceramic implants	Materials
480	31	Heonuk	Jeong	Evaluation of Surface Microtopography of Decellularized Cortical Bone by Scanning Electron Microscope	Materials
765	32	Matthew	Mail	3D Bioprinted Liver Tissue Models Using a Porcine Liver Bioink	Materials
570	33	So Young	Yoo	Cancer-favoring Oncolytic Vaccinia Virus for Cholangiocarcinoma	Materials
784	35	Sihan	Lin	A magnesium-enriched 3D culture system that mimics the bone development microenvironment for vascularized bone regeneration	Materials
92	36	Jia	Liu	ASC scaffolds combined with bpv promote functional recovery in SCI rats	Materials
1039	37	LingLing	Chen	LncRNA DANCER sponges miR-216a to inhibit odontoblast differentiation through upregulating c-Cbl	Materials
1041	38	Junda	Li	Biological functions of human dental pulp cells cultured on decellularised human dental pulp matrix hydrogel	Materials
438	39	Tomoya	Ueda	Analysis of Interaction Between Nano-Structures and Fibrinogen at Blood-Compatible Polymer/Water Interface	Materials
439	40	Yuto	Segami	Control of Interfacial Structures and Protein Adsorption by the Composition of Blood-compatible Random Copolymers	Materials
123	41	Ruiqiang	Hang	Anodic growth of Ni-Ti-O nanopore layers on biomedical NiTi alloy	Materials
169	42	Yin-Chen	Chiu	Synthesis of Novel Phosphated Neutralizing Bioresorbable Poly(lactide) and its Biodegradability	Materials
182	43	Sangmin	Lee	Bio-functional coating of orthopedic implant using Metal-Polyphenol Network	Materials
449	44	Mei Xian	Li	Optimization of catecholized chitosan derivatives for wet tissue adhesion	Materials
598	45	Seung Hee	Hong	Generation of proper ROS from chlorin e6 immobilized film with red LED irradiation for proliferation of HUVECs	Materials
610	46	Vijaya Narasimha	Gudivada	Rational Design of Cyclic BMP-2 Peptides for Medical Application	Materials
732	47	Masahiro	Kaneko	Development of Cell Membrane Permeable Redox Phospholipid Polymers for Suppression of Cancer Cell Growth	Materials
752	48	Bo-Han	Huang	Electrospun poly(vinyl alcohol) nanofibers containing Chlorella vulgaris extract for wound dressing	Materials
888	49	Naomi	Paxton	Improved cell adhesion on plasma-treated porous high-density polyethylene scaffolds for patient-specific facial reconstruction	Materials
72	50	Qin	Shi	PLLA-CD80mAb electrospun fibers promote neurological recovery	Mechanics
488	51	Lorenzo	Moroni	Generation of desired strain patterns using topology optimization for mechanical stimulation of cells	Mechanics
236	52	Soichiro	Yamada	Evaluation of Mechano-stimulation Effects on Injury/Repair of PC12 Cells	Mechanics
419	53	Jiranuwat	Sapudom	Collagen fibril bending stiffness instructs spreading and clustering of breast cancer cells	Mechanics
675	54	Jan	Barcik	Analysis of the short-term response of fracture repair tissue to mechanical stimulation	Mechanics
683	55	Jan	Barcik	Automated active fixation system designed to investigate the influence of local mechanical environment on fracture healing	Mechanics
331	56	Masanobu	Horie	Substrate stiffness dependent growth properties of human iPS cells	Mechanics
899	57	Hon Fai	Chan	Development-inspired engineering of folded mucosa guided by mechanics models	Mechanics
546	58	Chao-Ming	Su	Modulation of BMP-2/BMPR Binding in the field of Bone Tissue Engineering	Mechanics
744	59	Xiaofeng	Wang	Nonlinear Mechanical Properties of Tissue-Engineered Vascular Scaffold with Crimped fiber structure	Mechanics
860	60	Maureen	Ross	Biomechanical analysis of auricular cartilage towards composite scaffolds	Mechanics
369	61	Maria del Rocio	Garcia Cruz	3D Bioprinting Of Pluripotent Stem Cell-Derived Cardiac Progenitors	Technology
708	62	Elna Paul	Chalisserry	Effect of silicon-substituted hydroxyapatite in 3D-printed gelatin constructs for guided bone regeneration	Technology
724	63	Suhun	Chae	Engineering tendon-to-bone interfaces using tissue-derived bioinks and 3D cell-printing technology for rotator cuff repair	Technology
794	64	Dong Jin	Choi	Fabrication and characterization of the 3D scaffold by 3D bioprinting	Technology
818	WITHDRAWN	Yoh-ichi	Tagawa	Blastocyst culture model consisting of embryonic and trophoblast stem cells	Technology
422	66	lingzhi	kang	Reconstruction of full thickness skin using co-electrocompacted collagen/elastin/hyaluronic acid and co-cultured human dermal fibroblast and keratinocyte cells	Technology
919	67	Renee	Nightingale	Smartphones for frugal 3D scanning of the face for burns pressure therapy	Technology
501	68	Yu	Li	Establishment of a personalized human endometrium organoids and its application	Technology
789	69	Ka-Young	Lim	Biocompatible canine ocular prosthesis fabrication using 3D-printing technology	Translation
938	70	Sowmya	Ramesh	Radial shock wave treatment protects cultured rat fetal metatarsal bones from Ihh inhibitor-induced growth retardation	Translation
592	71	Behnam	Akhavan	Initiator free hydrogel polymerization and covalent attachment on plasma immersion ion implanted polymers	Technology
404	72	Yun	In Sik	Ideal scaffold design for total ear reconstruction using a three-dimensional printing technique	Technology

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Wednesday 16 October Poster Session

Paper ID	Poster Number			Title	Scientific Area
282	1	Jienny	Lee	Isolation and Characterization of Exosomes from Natural Killer Cells	Biology
590	2	Luvita	Suryani	Effects of Pulsed Electromagnetic Field on Cells	Biology
171	3	I Chi	Lee	Ultrasound Effect and Mechanism on Neural Stem Cells Differentiation	Biology
187	4	Da-Un	Jeong	Cancer Stem Cell Properties of Sphere-Forming Mammary Carcinoma Cells	Biology
188	5	Da-Un	Jeong	Cryopreservation of Animal Adult Stem Cells in Liquid Nitrogen for 6 Years	Biology
189	6	Da-Un	Jeong	Mesenchymal Stem Cells Induce Ex Vivo Proliferation of Canine CD34+ Cells	Biology
256	7	Hoda	Elkhenany	Effects of Fe ₂ O ₃ , Fe ₃ O ₄ and Their Starch Coated Nanoparticles on Stem Cells	Biology
277	8	Jienny	Lee	Immunomagnetic Selection for CD271+ Stem Cells from Adult Skin Tissue	Biology
279	9	Jienny	Lee	First Characterization of Deer Adult Stem Cells	Biology
354	10	Na Rae	Han	Development of 3D PEG-based Hydrogel for Mouse Spermatogonial Stem Cells	Biology
460	11	Fazlina	Nordin	In Vitro Proliferation And Differentiation of Cord Blood Haematopoietic and Endothelial Progenitor cells in Gestational Diabetes Mellitus and Preeclampsia Pregnancies	Biology
484	12	Jienny	Lee	Differentiation Potential of Stem Cells through Electrical Stimulation	Biology
485	13	Jienny	Lee	Optimal Condensation of Stem Cells by Electrical Stimulation	Biology
572	14	Salwa	Suliman	Influence of humanised isolation and culture conditions on bone marrow derived mesenchymal stromal cells	Biology
596	15	Mi Hee	Lee	Quality control of mesenchymal stem cell by direct electric current	Biology
923	16	Hyun Jung	Lee	Silk fibroin nanofiber potentiates the inflammatory properties of mesenchymal stromal cells induced by IFN- γ	Biology
936	17	You-Syuan	Lin	Small Molecule Loaded Nanoparticles cocultured with mesenchymal stem cell to induce its differentiation into retinal pigment epithelium cells	Biology
303	18	Angus	McKenzie	Micromechanical Force Measurement of Clotted Blood Particle Cohesion	Biology
761	19	Jia	Wang	LPS pretreatment of periodontal ligament stem cell-derived exosomes regulate macrophage polarization and promote periodontal tissue regeneration	Biology
348	20	Xiaonan	Zhang	Role of Linc01126 in Promoting Periodontitis via HIF-1 α /MAPK Pathway	Biology
690	21	Seung-Hwa	Shin	Alveolar Reconstruction Using a Three-Dimensional Printed Patient Specific Guided Bone Regeneration(GBR) Membrane	Biology
911	22	Hui	Huang	MiR-27a targets DKK2 and SFRP1 to promote reosseointegration in the regenerative treatment of peri-implantitis	Biology
928	23	Changxing	Chen	Inhibiting PHD2 in bone marrow mesenchymal stem cells via lentiviral-vector mediated RNA interference facilitates the repair of periodontal tissue defects in SD rats	Biology
137	24	Toshiki	Yanagisawa	Vertical bone formation of OCP/Collagen covered poly-lactic acid cage	Biology
897	25	Raquel	Sanchez Diaz	A Biomaterials Approach Towards Improved Integration of Percutaneous Devices	Materials
912	26	Wan Safwani	Wan Kamarul Zaman	Investigation of UV Crosslinked Konjac Glucomannan Composite for Biomedical Engineering Applications.	Materials
524	27	Eun young	Kang	Dual-Functionalized Oligo-DL-Lactide Modified Magnesium Hydroxide Nanoparticles for Biomedical Applications	Materials
529	28	Dong Keun	Han	Novel Drug-eluting Coronary Stent for Enhanced Re-endothelization and Anti-inflammation with Magnesium Hydroxide	Materials
248	29	Syuuhei	Komatsu	Drug Containing Carbonate Apatite Capsule for Bone Tissue Engineering	Materials
618	30	Dae Hyeok	Yang	Preparation of BMP-2 and TGF- β 1-loaded Visible Light-curable Glycol Chitosan Hydrogels as Bone Tissue Engineering Scaffolds	Materials
318	31	Xin	Yang	Naturally Extracted Antioxidative Chromophore as Photoinitiator	Materials
329	32	Eun Je	Jeon	Ascidian-inspired hyaluronic acid particles for therapeutic angiogenesis	Materials
442	33	Jeong Hyun	Seo	Improved magnetic relaxivity via hierarchical surface structure of Dy in ultra-high magnetic field	Materials
706	34	Elna Paul	Chalisserry	In vivo behaviors of fishbone hydroxyapatite for bone regeneration	Materials
383	35	Nusaibah	Sallehuddin	Fabrication and Characterization of Natural-Based Biocomposite Scaffold for Rapid Treatment of Pressure Sore	Materials
526	36	Hogyun	Cheong	Macrophage-Polarizing Mussel Adhesive Protein Hydrogel for Sutureless Neuroorrhaphy	Materials
467	37	Cheol-Min	Han	Evaluation of Ti ₃ C ₂ MXene-based 2D Drug Delivery Platform	Materials
195	38	Qiang	Peng	Corona Formation Surrounding Nanoparticles in the Stomach	Materials
569	39	So Young	Yoo	Engineered Phage Based Artificial Niche Facilitating Angiogenic Differentiation	Materials
597	40	Min-Ah	Koo	ROS-Induced Cell Transplantation Based on Photofunctional Polymer Film	Materials
766	41	Yi-Hsuan	Lin	Study of Adipose-derived Stem Cells Encapsulated with 3D Culture Microenvironment in Soft Tissue Reconstruction	Materials
767	42	Yi-Chia	Hsieh	The Bone Differentiation Effect of Adipose-derived Stem Cell (ADSCs) in Alginate-Gelatin Cell Capsules (AGC)	Materials
658	43	Sally	McArthur	Developing Surfaces for Biomaterial Applications via Plasma Polymerisation	Materials
335	44	Soohwan	An	Bioinspired hyaluronic acid hydrogel for multifunctional hemostatic agents	Materials
235	45	Kyoko	Fukazawa	Photoreactive modification of biomaterials under wet-condition	Materials
278	46	Jienny	Lee	A Comparison of Different Tissue-Derived Goat Stem Cells	Materials
496	47	Xiang	Li	Poly(dopamine)-Assisted Immobilization of Bone Morphogenetic Protein 2 on Poly(ϵ -caprolactone)/Nanohydroxyapatite/Bioactive Glass Composite Scaffolds for Improved Bone Regeneration	Materials
548	48	Sara	Romanazzo	Biomimetic porous calcium phosphate nanoparticles for bone tissue engineering	Materials
274	49	Jiang	Liu	The Construction of a Novel Antibacterial Hydrogel	Materials
682	50	Boyoung	Choi	The influence of astaxanthin on proliferation of adipose-derived stem cells in gelatin methacryloyl (GelMA) hydrogels	Materials
871	51	Mazaya	Najmina	Matrix Fluidity Promotes Senescence of Breast Cancer Cell	Materials
242	52	Akihiro	Nishiguchi	Tissue-adhesive colloidal wound dressing for gastrointestinal cancer	Materials
878	53	Malachy	Maher	Comparing the properties of various sources of collagen hydrogels for bioprinting and tissue engineering	Materials
906	54	Yue	Yao	Extrusion 3D printing of photo-clickable gelatin	Materials
338	55	Hang	Zhao	Developing a self-healing supramolecular nucleoside hydrogel	Materials
885	56	Tuan	Nguyen	Thermo-responsive hydrogels for protein encapsulation and delivery	Materials
715	57	Jiao	Lin	High-Throughput Screening of Osteogenic Differentiation of hMSCs on Colloidal Crystals	Technology
720	58	Errol	Phuah	Applications of Aerosol Jet Printing in Tissue Engineering	Technology
813	59	Hiroshi	Sunami	Stem cell separation using micro-patterned scaffolds	Technology
520	60	Oliver	Lotz	Atmospheric Pressure Plasma Jet Treatment: Surface Modifications of Polymers within Bioprinters	Technology
673	61	Ho Yeol	Lee	Quantitative analysis of bioprinting of hydroxyapatite-gelatin composite for bone tissue engineering	Technology
473	62	Ming-Chia	Yang	Dual functional anti-leakage & anti-adhesion bioabsorbable sheet	Technology
838	63	Harshal	Panidepu	Designing vasculature for soft tissues	Technology
179	64	Xin	Tong	clinical efficacy of autologous BMMSC grafting for severe alveolar defect	Translation
414	65	Sangheon	Kim	A 3D microtissue therapeutics for critical limb ischemia treatment	Translation
478	66	Yoon young	Kim	Treatment of uterine damage using endometrial stromal cells in murine model	Translation
552	WITHDRAWN	Tsunetaro	Morino	Transplantation of Nasal Mucosal Epithelial Cell Sheet in a Rat Middle Ear Mucosa-Removed Model	Translation
846	68	Shoji	Fukuda	Safety Assessment of Total Autologous Angiogenic Therapy with Cultured Bone Marrow Derived MSC grown in Platelet-Rich Plasma against Critical Limb Ischemia	Translation
668	69	Kelly	Tsang	What happens in a post-market review of medical devices in Australia: Statistics and examples from the TGA	Translation
993	70	Arianna	Oddo	A Proof-of-Concept Microfluidic Device for Nanotoxicology Applications	Translation
934	71	Ashis	Kumar	Autologous muscle derived stem cells in the treatment of anal sphincter injury in rat model	Translation

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Thursday 17 October Poster Session

Paper ID	Poster Number			Title	Scientific Area
727	1	Bijan	Shekibi	Modelling Motor Neuron Functionality using Neural Cell Lines	Biology
561	2	Lin	Gong	Generation of hormone-responsive endometrium organoids from human induced pluripotent stem cells with chemicals	Biology
134	3	Chieh-Cheng	Huang	3D Spheroids of MSC-derived Schwann-like Cells for Neuroregeneration	Biology
162	4	Joana	Magalhaes	Chondrogenic effect of kartogenin on 3a6 immortalized MSCs cell line	Biology
533	5	Jiao Jiao	Li	Working towards a regenerative therapy for treating osteoarthritis	Biology
1051	6	Li	Duan	DNA Methylation Profiling in Chondrocyte Dedifferentiation	Biology
177	8	Shuang	Zhang	Effects of gold nanoparticles with surface-anchored chiral amino acid (L/D-cysteine) on osteogenesis	Biology
300	9	Yemi	Kim	The effects of low energy extracorporeal shock wave on osteoblast activity	Biology
381	10	Yeshi	Liang	An in vitro model with tunable stiffness and electrospun fibers for engineering cardiac tissue	Biology
364	11	Hui Yee	Tan	Metformin on Insulin Resistance-Related Cellular Changes in Human Tenocytes	Biology
365	12	Jordan	Davern	Hydrogel stiffness regulates HUVEC/MSVC vascular-like network morphology	Biology
368	13	Hyejin	Park	Construction of 3D PEG-based Hydrogel Proliferating Mouse Endometrial cells	Biology
645	14	Zoe	West	MMP14 trafficking is regulated by R-SNAREs and Q-SNAREs	Biology
746	15	Xiang	Wang	Effects of Active Smoking on NOD1 Signal Pathway of Oral Mucosal Epithelial Cells in a Rat Model	Biology
1052	16	Yun-Liang	Chang	The Development of Gelatin/Hyaluronate Copolymer Mixed with Hydroxyapatite and Stromal Cell-Derived Factor-1 to Attract Mesenchymal Stem Cells for Bone Regeneration	Biology
387	17	Changxing	Chen	Inhibiting PHD2 in human periodontal ligament cells via lentiviral vector-mediated RNA interference facilitates the repair of periodontal tissue defects in SD rats	Biology
451	18	Mahmoud	Elnaggar	Reconstruction of neuronal cell membrane on neural interfacing devices for competent tissue integration and neural recording	Materials
302	19	Weiyi	Pan	Comparison of SWCNT and MWCNT in the reinforcement of PHBV for Bone Defect	Materials
313	20	Wen-Yu	Yang	A Composite Oxygen-generating System for Bone Regeneration	Materials
456	21	Jeremy	Dinoro	Sintering Star-shaped HDPE Particles Towards Additive Manufacturing Patient-specific Implants	Materials
884	22	Zhiqiang	Jiang	Preparation of aqueous-dispersible fullerene nanoparticles by RAFT process for potential cancer treatment	Materials
904	23	Motoki	Ueda	Morphological Effect of Rod-Shaped Nanocarrier for Inter-cellular Delivery	Materials
921	24	Katie	Sizeland	Nanostructure, Strength and Biomechanical Response of Collagen in Extracellular Matrix Scaffolds	Materials
1006	25	Gi Hoon	Yang	The effect of aligned extracellular matrix nanofibers combined with 3D printed micropatterned poly(lactide-co-glycolide) scaffold on skeletal muscle cell orientation and maturation	Materials
1049	26	Yingkai	Wei	Pain-on-chip: towards a cell based microfluidic sensor for pain modulation	Materials
696	27	Kazuaki	Matsumura	Intracellular delivery of protein by using freeze concentration strategy and polyampholyte modified liposomes	Materials
705	28	Dandan	Zhao	A pH-responsive polymeric delivery system for protein delivery and protection	Materials
709	29	Anna	Trengove	A robust lap shear test for evaluating tissue adhesion	Materials
808	30	Niko	Moritz	Novel Concept of Bioresorbable Light-curable Fracture Fixation Plates	Materials
835	31	U Hyeok	Choi	High Ion Conducting and Stretchable Hydrogels for Electrochemical Devices	Materials
874	32	Fanny	Blaudez	A systematic comparison of cell seeding methods using melt electrospinning writing scaffolds	Materials
876	33	Amelia	Carr	The effect of filamentisation on the biomechanical properties of 3D-printed polycaprolactone (PCL) scaffold	Materials
538	34	Ayaka	Kamata	Fabrication of Materials Based on Silk fibroin with Connecting Pores for Bone Regeneration	Materials
394	35	Fangfang	Sun	Nanoparticle shaped titanium fabricated with directed cluster beam deposition promotes osteogenic differentiation of bone mesenchymal stem cells through integrin/ILK/GSK-3 β axis	Materials
469	36	Sarigama	Rajesh	Synthesis and characterisation of amino lipids for the preparation of pH responsive therapeutic lipid nanoparticles.	Materials
769	37	Ting- Ju	Chuang	Multiple Encapsulation System for Breast Cancer Therapy	Materials
783	38	Wheemoon	Cho	Tumor Targeting of Radiotropic Lysyl Oxidase Nanoparticles using Tumor on Chip	Materials
932	39	Kazunori	Kimura	A Simple Colorimetric Assay of Antitumor Agents Utilizing Double-Stranded DNA-Modified Gold Nanoparticles	Materials
384	40	Hiroshi	Yukawa	In vivo real-time NIR Imaging of transplanted stem cells using quantum dots	Materials
543	41	Kamal	Mustafa	Wood-Based Nanocellulose for Bone Tissue Engineering	Materials
763	42	Kazutoshi	Iijima	Construction of Cell Scaffolds Made of Polysaccharides via Polyion Complex Nanoparticles	Materials
70	43	Dize	Li	A New Aerogel for Osteogenesis in OVX-induced Osteoporosis	Materials
71	44	Dize	Li	An Implant Surface Delivery on Infection Clearance and Osteogenic Induction	Materials
147	45	Chao	Luo	An in vivo comparative study of the gelatin microtissue based bottom-up strategy and top-down strategy in bone tissue engineering application	Materials
268	46	Kuo-Ti	Chen	Strategy for efficient Photopolymerization of hybrid monomers	Materials
309	47	Song	Baek	Development of silicon-based microenvironment for producing IVF embryo	Materials
359	48	Jun-ichiro	Jo	Visualization of Human IPS Cell-Derived 3-Dimensional Cartilage Tissue	Materials
377	49	Junseok	Lee	Study on contact lens for diminishing blue light for human eyes	Materials
558	50	Yoshihisa	Suzuki	Development of Non-tubular Artificial Nerve for Gap in Branched Site of Peripheral Nerve	Materials
637	51	Sugeun	Yang	Tissue Adhesive Hydrogel Glue for The Bleeding Control in Space	Materials
823	52	Seong Jae	Kim	Construction of 3D PEG-based Scaffold for Human Epidermal Melanocyte.	Materials
685	53	Seong-Woo	Maeng	Metal-mediated self-healable and adhesive protein hydrogel for stem cell delivery	Materials
418	54	Shohei	Ishikawa	Chemical Conjugation of Growth Factor Having Spacial Motility with Degradable IPN gel for the Promotion of Cartilage Tissue Regeneration	Materials
647	55	Ren	Zhang	Dynamic Crosslinking Hydrogel for Active Cell Immobilization	Materials
429	56	Tun	Yuan	Hydroxypropylcellulose Enhanced High Viscosity Endoscopic Mucosal Dissection Intraoperative Chitosan Thermosensitive Hydrogel	Materials
514	57	Yi	Hong	A strongly adhesive haemostatic hydrogel for the repair of arterial and heart bleeds	Materials
531	58	Hee Yun	Jang	Smart Porous PCL/HA Microspheres Loaded with Growth Factor and Antibiotic for Effective Osteogenic Differentiation and Anti-microbial Efficacy	Materials
762	59	Lingyun	Jia	Facile and Controllable Fabrication of Protein-only Nanoparticles through Photo-induced Crosslinking of Bovine Serum Albumin and their Application as DOX Carrier	Materials
100	60	Wei-Cheng	Jiang	Generation of Vascular Constructs Using Stem cells and 3D-printed PGSA	Technology
208	61	Ran	Ding	Self-organization of mouse myoblast cells mediated by soft substrates	Technology
269	62	Kuo-Ti	Chen	The role of oxygen in photopolymerization-controlled 3D bio-printing	Technology
270	63	Pin-Yao	Chen	Test the effects for anti-hyperlipidemic drug on dish and bionic liver chip	Technology
802	64	Hyun	Kwon	Bioengineering of descemet's stripping endothelial layers using porcine corneal tissue and stem cells	Translation
657	65	Ho Yeol	Lee	Improved coaxial printability of bioinks for extrusion-based bioprinting	Technology
665	66	Jim Myoung	Yoo	Nondestructive characterization of mechanical properties of gelatin-based hydrogels using shear wave elasticity imaging	Technology
872	67	Michael	Mueller	PEG-dithiol crosslinkers for allylated gelatin based DLP bioresins	Technology
446	68	Su-Nam	Jeong	Novel Oncolytic Virus (NOV) for Improved Cancer Specificity and Normal Vessel Reconstruction	Translation
510	69	Mincheol	Kim	BMP2-conjugated silica enhances early osteogenic differentiation by MKK3/6 signaling pathway in adipose stem cells	Translation
699	70	Jie	Liang	The in vivo thrombosis evaluation for the biodegradable polymer stent	Translation
797	71	Seoyoung	Choi	Bioengineered liver scaffold recellularized with directly reprogrammed bipotent hepatocyte-like cells	Translation

Schedule is subject to change and is current as at 13 October 2019