2015년 한국생체재료학회 추계학술대회 일정표

Sep. 17, 2015 (Thu.)

국제회의실(400)

08:30-09:30		Registration/Poster Installation	
09:30-10:00		Opening Ceremony 축사 : 이훈규 총장님 (차의과학대학교), Prof. Xingdong ZHANG (Si Chuan University, CHINA)	
10:00-10:40		Keynote Lecture 1 Biomaterials indispensable to realize regenerative medicine	좌장 : 박기동(아주대) Prof. Yasuhiko Tabata (Kyoto University, JAPAN)
10:40-11:10		Coffee Break	

Session 1: Frontiers in Biopolymer Science — 좌장 : 최영빈(서울대), 신흥수(한양대)

11:10-11:25	OP-01	Biomolecules encapsulated polymeric scaffold by a supercritical CO_2 - HFIP co-solvent system	정영미(KIST)
11:25-11:40	OP-02	Engineering live cells for the simultaneous detection of disease biomarkers	최종훈(한양대)
11:40-11:55	OP-03	Microbead-based biomimetic 3D tumor model	김필남(KAIST)
11:55-12:10	OP-04	Virus based full colour pixels using a microheater	오진우(부산대)
12:10-12:25	OP-05	Fluorochrome functionalized nanoparticles for diagnosis and therapy	조훈성(전남대)
12:25-12:40	OP-06	Near-infrared fluorophores for imaging, targeting and therapy	현 훈(전남대)

Session 2: Young Scientist Session — 좌장 : 이강원(서울대), 정윤기(KIST)

11:40-12:40	YS-01	Mechanical microenvironment regulates cellular reprogramming to pluripotency through mesenchymal-to-epithelial transition and stemness markers	Bogyu Choi(CHA Univ.)
	YS-02	Potential application of nano-hydroxyapatite in treatment of osteoporotic bone healing	Yang Xiao(Si Chuan Univ.)
	YS-03	Extracellular matrix-inspired fibrous particle for tissue engineering	Young Min Shin(Korea Atomic Energy Research Institute)
	YS-04	Promotion of osteogenesis and biomineralization in mouse mesenchymal stromal cells by collagen nanofiber modified 3D printed β-TCP scaffold	Xiaoling Fu(South China Univ. of Technology)
	YS-05	Accelerating effect of new chitosan-silica hybrid dressing materials on wound healing	Ji Ung Park(Seoul National Univ.)
	YS-06	Bi-molecular templates induced bone-like composite and the impact on osteogenic differentiation of BMSCs	Yang Qin(Huazhong Univ. of Science and Technology)

12:40-13:00	KSBM General Meeting	
13:00-14:40	Poster Presentation Session and Lunch	

Session 3: 하이브리드 소재의 생체재료 응용 — 좌장 : 홍진기(중앙대)

14:40-14:55	OP-07	Polypeptide thermogel for stem cell culture	정병문(이화여대)
14:55-15:10	OP-08	Synthesis and applications of N-heterocyclic carbene MOFs	이은성(포항공대)
15:10-15:25	OP-09	Molecular simulations of peptides, liposomes, dendrimers, carbon nanotubes, and membranes for drug delivery applications	이환규(단국대)
15:25-15:40	OP-10	Hybrid-type bio-adhesive for construction of bone and cartilage interface	이은아(경희대)
15:40-15:55	OP-11	Nanoparticle-based hybrid interface for biological sensing and imaging	최인희(서울시립대)
15:55-16:10	OP-12	Injectable 3D scaffold to recruit and reprogram host dendritic cells for cancer immunotherapy	김재윤(성균관대)

Session 4: 세라믹&금속 생체재료 — 좌장 : 윤희숙(재료연구소)

14:40-14:55	OP-13	Ceramic/Camphene-based 3D printing techniques for biomimetic porous ceramic scaffolds	고영학(고려대)
14:55-15:10	OP-14	Phytoestrogen incorporated calcium phosphate 3D scaffolds	윤희숙(재료연구소)
15:10-15:25	OP-15	Bone regeneration by MgP ceramic scaffolds	박의균(경북대)
15:25-15:40	OP-16	Development of tissue-regenerative metallic implants by electrochemical application of the bio-absorbable metals	옥명렬(KIST)
15:40-15:55	OP-17	Utilization of metallic 3D printer for the optimal design of bio-device	이지욱(국민대)
15:55-16:10	OP-18	Nanomaterials for biomedical monitoring	전민홍(KIST)

16:10-16:40	Coffee Break	

Session 5: 약물전달 — 좌장 : 김유천(KAIST)

16:40-16:55	OP-19	Simultaneous delivery of *p53* and doxorubicin using hydroxyapatite-polyethyleneimine carriers exert enhanced efficacy against hepatocellular carcinoma	Prof. Cen Chen (Zhejiang Sci-Tech Univ., CHINA)
16:55-17:10	OP-20	Improved DNA vaccination by concurrent delivery of DNA and chemostatic peptide using polyplex-releasing multi-layered microneedles	정지훈(성균관대)
17:10-17:25	OP-21	Biomimetic self-assembly of an novel amphiphilic polyaspartamide nanocell	정재현(숭실대)
17:25-17:40	OP-22	Stimuli-responsive polymers for efficient and controlled drug delivery systems	심민석(인천대)
17:40-17:55	OP-23	RAPHAS's transcutaneous delivery system using dissolvable microneedle	김홍기(RAPHAS.CO.LTD)

Session 6: Student Oral Competition — 좌장 : 황석연(서울대), 조승우(연세대)

16:55-17:55	SOC-1	ROS-induced cell sheet transfer system using photofunctional polymer film	구민아(연세대)
	SOC-2	Poly(L-DOPA) core-templated mineralized nanoparticles for cancer therapy	남혜영(경희대)
	SOC-3	Anti-oxidative and anti-inflammatory amphiphilic PEGylated bilirubin nanovesicle(APBN) for the enhanced outcome of islet xenotransplantation	김민준(한양대)
	SOC-4	Vitamin B_6 surface engineering for functionalization of medical devices	이정승(연세대)
	SOC-5	Synthesis and characterization of polyester diblock copolymer with ion group for thermo responsive hydrogel	이보근(아주대)

17:55-19:30	Banquet and Awarding Ceremony (Young Scientist Award & Oral Presentation Award)	

Sep. 18, 2015 (Fri.)

국제회의실(400)				Auditorium(200)			
09:00-10:00	Registration/Poster Installation						
10:00-10:40	Keynote Lecture 2 Reducible polypeptide for therapeutic gene delivery			좌장 : 김천호(한국원자력의학원) 김용희 교수 (한양대/바이오생명의약연구소)			
10:40-11:10	Coffee Break						
Session 7: Functional Polymers for Bioengineering			좌장 : 정봉근(서강대), 황유식(경희대)	Session 8: 조직공학·재생의학			좌장 : 김병수(서울대), 박귀덕(KIST)
11:10-11:25	OP-24	Multiscale biopatterns based on nanofiber-incorporated hydrogel	고원건(연세대)	11:10-11:25	OP-30	Polysaccharide-based scaffolds for multifunctional medical applications	김천호(한국원자력의학원)
11:25-11:40	OP-25	Synthesis of conductive polypyrrole wrinkle topographies on polydimethylsiloxane via a swelling-deswelling process and their potential uses in neural tissue engineering	이재영(GIST)	11:25-11:40	OP-31	Cell-derived matrix engineering: Tunable ECM stiffness	박귀덕(KIST)
11:40-11:55	OP-26	Regulating HMGB1 release for successful outcome of pancreatic islet transplantation	이동윤(한양대)	11:40-11:55	OP-32	Novel genes and proteins regulating dedifferentiated/degenerated chondrocytes followed by enhanced cartilage tissue regeneration	이수홍(차의과학대)
11:55-12:10	OP-27	Surface camouflaged cytomedicine delivery for the treatment of type 1 diabetes	정지헌(영남대)	11:55-12:10	OP-33	Drug repurposing strategies and its application in tissue engineering and regenerative medicine	이정익(건국대)
12:10-12:25	OP-28	Droplet-based microfluidics for microcarrier designing	김신현(KAIST)	12:10-12:25	OP-34	Inorganic nanoparticles for stem cell differentiation and photothermal cancer therapy	방석호(성균관대)
12:25-12:40	OP-29	Enhanced regenerative healing efficacy of highly skin-permeable low-molecular-weight protamine fused growth factor complexes in acute and chronic wounds	박진우(목포대)	12:25-12:40	OP-35	Oxygen-controllable hydrogels for vascular tissue regeneration	박경민(인천대)
12:40-14:00	Poster Presentation Session and Lunch						
Session 9: 임상의사의 관점에서 바라본 생체재료의 현재와 미래			좌장 : 이상훈(서울의대),장민욱(동국의대)	Session 10: Dental tissue regeneration and dental materials			좌장 : 최성호(연세치대), 양형철(서울대)
14:00-14:15	OP-36	이비인후과 영역에서 생체재료의 활용	송재준(고대의대)	14:00-14:15	OP-40	Bio-inspired materials for dental tissue engineering	우경미(서울대치의학대학원)
14:15-14:30	OP-37	New challenges in dental implant and prosthodontics	임현필(전남치대)	14:15-14:30	OP-41	Graphene-based nanocomposites for dental tissue regeneration	한동욱(부산대)
14:30-14:45	OP-38	Cartilage repair using transglutaminse 4-hydrogel with MSCs in Rabbit model	한혁수(서울의대)	14:30-14:45	OP-42	Growth factors in sinus graft: truth and falsity	이중석(연세치대)
14:45-15:00	OP-39	Biomaterials in clinical ophthalmology	박철용(동국의대)	14:45-15:00	OP-43	Bioinformatics in dental research: identification of new biomarkers in bone differentiation	이재형(경희치대)
15:00-15:30	Coffee Break						
Session 11: 3D 프린팅 기술과 생체재료 산업의 만남			좌장 : 김정성(건양대), 배태수(중원대)	Session 12 의료기기 산업발전 방향과 특허 전략 및 생체재료기반 의료기기			좌장 : 박종철(연세의대), 한동욱(부산대)
15:30-15:45	OP-44	타이타늄 합금의 3D 프린팅 기술 현황	홍재근(재료연구소)	15:30-15:45	OP-50	의료기기산업발전방향과의료기기정보기술지원센터의역할	김태권(의료기기정보기술지원센터)
15:45-16:00	OP-45	Development of porous implant using 3D printer	김용화(㈜코렌텍)	15:45-16:00	OP-51	의료기기분야 지식재산권 창출 및 활용화 전략	박형달(워너비특허법률사무소)
16:00-16:15	OP-46	3D 프린팅 기술동향 및 메디컬 3D 프린팅 응용 현황	김대중(㈜예시스템)	16:00-16:15	OP-52	의료기기 이상사례 보고	남기창(동국의대)
16:15-16:30	OP-47	3D bioprinting for biomedical applications	박수아(한국기계연구원)	16:15-16:30	OP-53	Bioresorbable metal-From idea to the medical solution	조성윤(U&I)
16:30-16:45	OP-48	유무기 복합물의 3D 프린팅	윤범진(전자부품연구원)	16:30-16:45	OP-54	Control of cell migration by electric current	박종철(연세의대)
16:45-17:00	OP-49	디지털 덴티스트리 분야에서의 3D프린터 현재 동향 및 핵심 개발 사항	양동준(메가젠임플란트)				
17:00-18:00	Closing Remark and Awarding Ceremony (Poster Presentation Award)						