

“신산업 창조를 위한 미래융합 생체재료”

Nov. 6, 2014 (Thu.)

대회의실				중회의실				
08:30-09:20				Registration/Poster Installation				
09:20-09:30				Opening Ceremony				
9:30-10:00				Keynote Lecture 1		Chair : Kun Na (Catholic Univ.)		
				KL-1: Nanoparticles for Molecular Imaging and Therapy		Jinha Park (City of Hope Medical Center, USA)		
10:00-10:15				Coffee Break				
Session 1: Nano-fusion Technology For Biomaterials			좌장 : 류원형(연세대), 김유천(KAIST)	Session 2: Young Scientist Award			좌장 : 권오형(금오공대), 이상훈(서울의대)	
10:15-10:35	IL-01	Activatable smart nanoprobes for perception of cancer activity	함승주(연세대)	YS-1	Chun Gwon Park (Seoul National Univ.)	YS-6	Takuya Ishimoto (Osaka Univ.)	
10:35-10:55	IL-02	Novel biosensing strategies utilizing specific interactions between biomolecules and metal ions	박현규(KAIST)	YS-2	Taka-Aki Asoh (Osaka City Univ.)	YS-7	Ji Hyun Ryu (KAIST)	
10:55-11:15	IL-03	Development of soft tubular microfluidic device (STuFl) for <i>In vitro</i> model of human tubular organs and related disease	김정욱(서강대)	10:15-11:55	YS-3	Min Sup Kim (KIRAMS)	YS-8	Akifumi Kawamura (Kansai Univ.)
11:15-11:35	IL-04	Cell behavior control by micro- and nano-scale patterned interfaces by direct-write multiphoton lithography	전호정(KIST)	YS-4	Tomoko Hashimoto (Nara Women's Univ.)	YS-9	In Gul Kim (KIST)	
11:35-11:55	IL-05	Probing forces in biological systems : from single molecule to tissue	이형석(연세대)	YS-5	Mi Hee Lee (Yonsei Univ.)	YS-10	Jun-Ichi Sasaki (Osaka Univ.)	
11:55-12:30				KSBM General Meeting				
12:30-14:10				Poster Presentation Session and Lunch				
				Keynote Lecture 2		Chair : Dong Keun Han (KIST)		
14:10-14:40				KL-2: Supramolecular Biomaterials Exploit New Paradigm of Modulating Cellular Functions		Nobuhiko Yui (Tokyo Medical and Dental Univ., Japan)		
14:40-15:00				Coffee Break				
Session 3: Biomaterials For Innovative Medical Devices			좌장 : 송재준(고려의대), 이동윤(한양대),	Session 5: Student Session			좌장 : 권성근(서울의대), 박정환(가천대)	
15:00-15:20	IL-06	히알루론산을 이용한 의료기기의 개발	이충(LG생명과학)	15:00-15:10	OR-1	Generation of functionalized polymer nanolayer on implant surface via initiated chemical vapor deposition (iCVD)	박세웅(경희대)	
15:20-15:40	IL-07	Next-generation of poly(ethylene glycol): Synthesis of polyglycerol based responsive micelles for smart drug delivery	김병수(UNIST)	15:10-15:20	OR-2	Graphene-oxide-reinforced 4-ARM-PPO-PEO composite hydrogels as an injectable biomaterial platform	이윤기(아주대)	
15:40-16:00	IL-08	Surgical suture enabled with sustained, local pain relief	최영빈(서울대)	15:20-15:30	OR-3	만성질환 치료를 위한 정자기력 기반 체내 이식형 펄스형 약물전달 펌프	이승호(서울대)	
16:00-16:20	IL-09	Fluorescent fullerene nanomaterials for bioimaging	정진영(한국생명공학연구원)	15:30-15:40	OR-4	Tumor-targeted delivery of siRNA by stabilized calcium phosphate nanoparticles using dopa-hyaluronic acid conjugate	이민상(성균관대)	
				15:40-15:50	OR-5	MMP-13 promotes osteogenic differentiation of human adipose-derived stem cells on type I collagen via activation of focal adhesion proteins	Arai Yoshie(차의과학대)	
Session 4: Biofunctional Smart Polymers			좌장 : 허강무(충남대), 박한수(중앙대)	Session 6: Company Session			좌장 : 고영주(삼양바이오팜), 박시내(다림티센)	
16:20-16:40	IL-10	Smart polymers exhibiting adhesiveness and self-healing properties simultaneously	이해신(KAIST)	15:50-16:10	IL-14	척추 수핵을 대체하기 위한 스마트 하이드로겔의 연구 동향	이정수(셀루메드)	
16:40-17:00	IL-11	Bio-inspired self-assembly of nanoparticles and amphiphilic polymers	박소정(이화여대)	16:10-16:30	IL-15	TissueGene-C: a cell and gene therapy for osteoarthritis	김수정(코오롱생명과학)	
17:00-17:20	IL-12	Smart hydrogels for long-term engineered cell therapy	한세광(포항공대)	16:30-16:50	IL-16	The approach method to treat degenerative disc with injectable thermo-responsive hydrogel	권보선(위노바)	
17:20-17:40	IL-13	Dimeric cell penetration peptides with nanomolar penetration activity	이연(서울대)	16:50-17:10	IL-17	광학 영상을 위한 형광 염료 및 프로브 개발	박진우(Bioacts)	
				17:10-17:30	IL-18	관상동맥 치료를 위한 약물방출스텐트 개발 및 현황	박준규(시지바이오/바이오알파)	
				17:30-17:50	IL-19	콜라겐 메니스커스 임플란트 개발 현황	김대관(뉴크레젠)	
17:50-19:30				Banquet and Awarding Ceremony (Young Scientist Award)				

Nov. 7, 2014 (Fri.)

대회의실

중회의실

08:30-09:30

Registration/Poster Installation

Keynote Lectures 3 & 4

Chairs : Moon Suk Kim (Ajou Univ.), Soo Hong Lee (Cha Univ.)

09:30-10:30

KL-3: Small Diameter Acellular Vascular Grafts with 2 mm ID and 30 cm Length

Tetsuji Yamaoka (National Cerebral and Cardiovascular Center Research Institute, Japan)

KL-4: Stimulation of New Bone Formation by Local Delivery of Magnesium Ions

Kelvin Yeung (The University of Hong Kong Medical Centre Queen Mary Hospital, Hong Kong)

10:30-10:45

Coffee Break

Session 7: New Strategies In Drug And Gene Delivery

좌장 : 태기용(GIST), 유혁상(강원대)

Session 8: Biomaterials For Regenerative Dentistry

좌장: 김영진(대구가톨릭대), 이부규(서울아산병원)

10:45-11:05

IL-20 Combined delivery of HMGB-1 box A and S1P lyase siRNA for the treatment of acute lung injury

이민형(한양대)

10:45-11:05

IL-25 Self-adhesion in dentistry

권태엽(경북치대)

11:05-11:25

IL-21 Activatable theranostics for imaging and therapy of cancers

최용두(국립암센터)

11:05-11:25

IL-26 치과재료용 TiNi계 형상기억합금의 이해

허신규((주)에스엠에이)

11:25-11:45

IL-22 Replicable self-assembled DNA nanostructures for gene delivery applications

이혁진(이화여대)

11:25-11:45

IL-27 Regeneration treatment in dental implant therapy

신승윤(경희치대)

11:45-12:05

IL-23 Biomimetic polymeric drug carriers with different geometric designs for photodynamic tumor therapy

이은성(가톨릭대)

11:45-12:05

IL-28 Engineering bioactive materials for regenerative dentistry

박윤정(서울치대)

12:05-12:25

IL-24 Controlled delivery of nitric oxide in biomaterials for vascular tissue engineering

Qiang Zhao(Nankai Univ.)

12:05-12:25

IL-29 Surface engineering of metal device in dentistry

이선병((주)신홍)

12:25-14:00

Poster Presentation Session and Lunch

좌장 : 임용범(연세대), 양희석(단국대)

Keynote Lectures 5 & 6

Chairs : Byeongmoon Jeong (Ewha Womans Univ.), Jong Chul Park (Yonsei Univ.)

14:00-15:00

KL-5: Advances in Cell Therapy: Bioactive Hydrogel and Molecular Imaging

Deling Kong (Nankai Univ., China)

KL-6: Cardiac Repair via Scaffold-Supported Epicardial Implantation of Cardiac Stem Cells

Seung Jin Lee (Ewha Womans Univ., Korea)

15:00-15:15

Coffee Break

Session 9: Biomaterials For Innovative Tissue Regeneration

좌장 : 김천호(원자력의학원), 조승우(연세대)

Session 10: Biomaterials For Clinical Application In Tissue Regeneration

좌장 : 임균일(동국의대), 이재협(서울의대)

15:15-15:35

IL-30 Micro- and nanoengineered platforms to study microenvironments of human glioblastoma multiforme

김필남(KAIST)

15:15-15:35

IL-36 ACIC: autologous collagen induced chondrogenesis

김석중(의정부성모병원)

15:35-15:55

IL-31 생체분해성 금속을 이용한 골절 치료 및 골조직 재생

석현광(KIST)

15:35-15:55

IL-37 Applications of biomaterials in laryngeal regenerative medicine

임재열(인하대병원)

15:55-16:15

IL-32 Multiple physical stimulations for effective cellular differentiation

신현정(KAIST)

15:55-16:15

IL-38 표면코팅, 항체, 줄기세포 그리고 관상동맥 스텐트

조현재(서울대병원)

16:15-16:35

IL-33 Scaffold containing bioactive molecules for ionizing radiation damaged tissue repair and regeneration

박상준(원자력의학원)

16:15-16:35

IL-39 Hair follicle regeneration

권오상(서울대병원)

16:35-16:55

IL-34 Delivering low level laser and steroid into the inner ear

서명환(서울대병원)

16:35-16:55

IL-40 Current status and future perspectives of kidney regeneration

권태균(경북의대)

16:55-17:15

IL-35 Hydrogel-laden paper scaffolds for origami tissue engineering

황석연(서울대)

16:55-17:15

IL-41 Biomaterials in spinal surgery

신동아(연세의대)

17:15-17:30

Awarding Ceremony and Closing Remark (Poster presentation Session Award)