

International Symposium on Frontiers in Biomedical Polymers (Pre-FBPS'17)

in conjunction with the 2nd Portugal/Korea and 1st Italy/Korea Int'l Symposium

April 29th (Fri) 2016, Johnson Grand Auditorium, KIST, Seoul, Korea

공동대회장: 박기동 (아주대)/ 강길선 (전북대)
공동명예대회장: 이해방 박사/ 김영하 박사

조직위원회 위원: 권순용 (가톨릭의대), 김동욱 (연세의대), 김수현 (KIST), 김용희 (한양대), 김천호 (KIRAMS), 노인섭 (서울과학기술대), 민병현 (아주의대), 박소라 (인하의대), 박현국 (경희의대), 손영숙 (경희대), 이종호 (서울치대), 장현석 (고려치대), 전흥재 (가톨릭대학교), 한동근 (KIST), 한용만 (KAIST),

실무위원회 위원: 김문석 (아주대), 김상현 (KIST), 김형일 (썬텍), 박경민 (인천대), 박귀덕 (KIST), 박상준 (KIRAMS), 박인규 (전남대), 박찬흠 (한림의대), 박한수 (한양대), 류현승 (대웅제약), 서동삼 (세원셀론텍), 신홍수 (한양대), 양대혁 (가톨릭의대), 이동원 (전북대), 이정익 (건국대), 정지훈 (성균관대), 황석연 (서울대)

협찬: 미래부, 교육부, 농림수산부, 보건복지부, GSRAC, 전북대학교 Global BK-21 PLUS 사업단, 아주대학교 BK-21 PLUS 사업단

Registration and Opening Ceremony

08:00~	등록	
08:50~08:55	환영사 및 개회사	김영하 박사
08:55~09:00	환영사	박기동 교수

Session I: Biomaterials

좌장: 김천호 박사 (KIRAMS)/ 권일근 교수 (경희대)

09:00~09:20	Keynote Lecture 1: 김수현 박사 (KIST-KU, Korea) Stem Cell Inducing/recruiting Factor and Heparin on Cell-Free Small-Diameter Vascular Graft	
09:20~09:40	Keynote Lecture 2: 김용희 교수 (Hanyang Univ, Korea) Oligopeptide Complex for Targeted Non-viral Gene Delivery to Adipocytes	
09:40~09:55	Invited Lecture 1: 김종원 교수 (POSTECH, Korea) Polymer-based Nitric Oxide Delivery System for Bioapplication	
09:55~10:20	Plenary Lecture 1: 박기동 교수 (Ajou Univ, Korea) <i>In Situ</i> Forming Hydrogels for Tissue Regeneration, Stem Cell Engineering and Drug Delivery	
10:20~10:40	Coffee Break	

Session II: Novel Biomaterials and Regenerative Medicine

좌장: 박소라 교수 (GSRAC)/ 전흥재 교수 (가톨릭의대)

10:40~11:10	Plenary Lecture 2: Prof. Claudio Migliaresi (Univ Trento, Italy) Cell Printing for Tissue Engineering and Biological Model	
11:10~11:40	Plenary Lecture 3: Prof. Rui Reis (Univ Minho, Portugal) Recent Advances of Regenerative Medicine	
11:40~12:10	Plenary Lecture 4: Prof. Antonella Motta (Univ Trento, Italy) Silk: from Textiles to Tissue Regeneration	
12:10~13:30	Lunch	

Session III: Novel Biomaterials and Stem Cells

좌장: 김병수 교수 (서울대)/ 박상준 박사 (KIRAMS)

13:30~13:50	Keynote Lecture 3: Prof. Alexandra Marques (Univ Minho, Portugal) The Contribution of Tissue Engineering in the Advance of Skin Substitutes	
13:50~14:10	Keynote Lecture 4: Prof. Nuno Neves (Univ Minho, Portugal) Functional Nanofibrous Scaffolds Combined with Stem Cells for Advanced	

	Biomedical Devices and Therapies	
14:10~14:30	Keynote Lecture 5: 손영숙 교수 (Kyung Hee Univ, Korea) Trafficking of Endogenous Stem Cells for Tissue Repair	
14:30~14:45	Invited Lecture 2: 이동원 교수 (Chonbuk Natl Univ, Korea) Manipulating Oxidative Stress using Engineered Polymeric Prodrugs for Therapeutic Applications	
14:50~15:10	Coffee Break	
Session IV: Enabling New Technologies for Regenerative Medicine		
좌장: 황석연교수 (서울대)/ 박인규 교수 (전남대)		
15:10~15:30	Keynote Lecture 6: Prof. Miguel Oliveira (Univ Minho, Portugal) New Advances in Tissue Engineering and Microfluidics: Say Good Bye to Flat Biology	
15:30~15:45	Invited Lecture 3: 김문석 교수 (Ajou Univ, Korea) 3D Scaffolds for Regenerative Medicines	
15:45~16:00	Invited Lecture 4: 박찬흠 교수 (Hallym Univ, Korea) Tissue Engineering and Regenerative Medicine using 3D Printing	
16:00~16:15	Invited Lecture 5: 이종범 교수 (Univ of Seoul, Korea) Functional DNA and RNA Macroscopic Materials	
16:15~16:35	Coffee Break	
Session V: Stem Cells for Regenerative Medicine		
좌장: 한동근 박사 (KIST)/ 이정익교수 (건국대)		
16:35~16:55	Keynote Lecture 7: Prof. Eben Alsberg (Case Western Reserve Univ, USA) Modular Inductive High-Density Cell Culture Systems for Engineering Complex Tissues	
16:55~17:10	Invited Lecture 6: 김장환 박사 (KRIBB, Korea) Transdifferentiation to Neural Cells using Pluripotency Factors	
17:10~17:25	Invited Lecture 7: 이수홍 교수 (CHA Univ, Korea) Biophysical Microenvironment Stimulates Cellular Reprogramming as well as Stem Cell Differentiation	
17:25~17:40	Invited Lecture 8: 김형범교수 (Hanyang Univ, Korea) Genome Engineering using Programmable Nucleases	
17:40~17:50	폐회사: 이해방박사	
18:30~	리셉션	