	Room	Huagang Ting (4th floor)			
April 8	8:30-9:10	**Opening Ceremony & Photo Taken**			**Chair**
	9:10-9:55	**PS-1: James Kirkpatrick,** *Johannes Gutenberg-Universität Mainz, Germany* **Modeling the regenerative niche: a major challenge in biomaterials research**			**Matteo Santin** **Tingfei Xi**
	9:55-10:40	**PS-2: Xianzheng Zhang,** *Wuhan University, China* **Functional Peptides/Polymers for Biomedical Applications**			
	10:40-10:50	**Kimi Zeng,** *Oxford University Press* **Regenerative Biomaterials: New Journal with China-Europe Collaboration**			
	10:50-11:10	**Coffee Break**			
	Room	**Guiyu Ting (3rd floor)**	**Huanbi Ting (3rd floor)**	**Yunxi Ting (3rd floor)**	**Huanglong Ting (4th floor)**
	Chair	**Hua Ai, Zhibo Li**	**Bangcheng Yang, Jiang Chang**	**Bo Su, Yilin Cao**	**Shenguo Wang, Peter Ma**
	11:10-11:40	**KS-1: Matteo Santin** *University of Brighton, UK* **Extracellular Matrix Analogues for Bioengineered Pancreatic Islets and Stem cells**	**KS-2: Jiang Chang** *Shanghai Institute of Ceramics, CAS, China* **Design of bioactive materials for tissue regeneration**	**KS-3: Yilin Cao** *Shanghai Second University of Medicine, China* **Cartilage engineering research and its application**	**KS-4: Peter X Ma** *University of Michigan, USA* **From implantable to injectable nanofibrous scaffolds for regeneration**
	11:40-12:00	**IS-1: Mario Barbosa** *University of Porto, Portugal* **Fibrinogen-modified chitosan as an immunomodulatory biomaterial**	**IS-2: Jie Huang** *London's Global University, UK* **Calcium phosphate nanobiomaterials for healthcare engineering**	**IS-3: Bo Su** *University of Bristol, UK* **Bio-inspired Surfaces for Smart Implants**	**IS-4: Wenbin Zhang** *Peking University, China* **All-Protein-Based, Bioactive Hydrogels using Genetically Encoded SpyTag-SpyCatcher Chemistry**
	12:00-12:15	**Oral-7-1: Free-Standing Cell Sheet Assembled with Ultrathin Extracellular Matrix as an Innovative Approach for Biomimetic Tissues** Peng Chen, Ying Bi, Xiaozhong Qiu, Yi Hu, Malcolm M. Q. Xing, Jun Chen *Institute of High Energy Physics, CAS, China*	**Oral-1-1: Preparation and evaluation of three-dimensional Chitosan/ Graphene Oxide porous scaffolds for bone tissue engineering** Long Jia, Min Wang, Yushi Yang, Zhou Mao, Tong Qiu, Qingzhi Wu, Shipu Li *Wuhan University of Technology, China*	**Oral-3-1: Modulation of osteogenesis in MC3T3-E1 cells by different frequency electrical stimulation** Yu Wang, Zongliang Wang, Haitao Cui, Xuesi Chen, Peibiao Zhang *Changchun Institute of Applied Chemistry, CAS, China*	**Oral-4-1: Electrospinning Nanoyarn for Tissue Engineering** Xiumei Mo, Jinglei Wu *Donghua University, China*
	12:15-14:00	**Lunch**			

	Room	Guiyu Ting (3rd floor)	Huanbi Ting (3rd floor)	Yunxi Ting (3rd floor)	Huanglong Ting (4th floor)
	Chair	**Decheng Wu, Chengtie Wu**	**Guangdong Zhou, Qingling Feng**	**Yujiang Fan, Pedro Granja**	**Lucy Di-Silvio Xuliang Deng**
April 8	**14:00-14:30**	**KS-5: Meifang Zhu** *Donghua University, China* **Organic/Inorganic Hybrids for Bioapplications**	**KS-6: Serena Best** *University of Cambridge, UK* **Tissue Engineering Scaffolds: "Pores for thought"**	**KS-7: Ming Wang** *The University of Hong Kong, Hong Kong* **Multifunctional Nanofibrous Scaffolds for Tissue Regeneration**	**KCL- PKU 3D Printing & Tissue Engineering Special Symposium**
	14:30-14:50	**IS-5: Chengtie Wu** *Shanghai Institute of Ceramics, CAS, China* **Beneficial Microenvironments of Bioceramics for Bone Tissue Engineering**	**IS-6: Liming Bian** *Chinese University of Hong Kong , Hong Kong* **Functional biopolymeric hydrogels for cartilage repair**	**IS-7: Miguel A Mateos-Timoneda** *Institute for Bioengineering of Catalonia (IBEC), Spain* **In vitro development of cell-derived extracellular matrix scaffolds for bone regeneration**	
	14:50-15:05	**Oral-1-2: Development of Bioactive Composite of Nano Fluorapatite and Polyetheretherketone as Orthopedic Implant Material** Liang Cai, Zhangyu Shi, Yu Hou, Jie Wei, Changsheng Liu *East China University of Science and Technology, China*	**Oral-5-1: Preparation and characterization of a novel TiO2/calcium silicate hydrate hierarchical coating on titanium substrate** Qianli Huang，Qingling Feng *Tsinghua University, China*	**Oral-4-2: A redox-degradable cationic polymeric micelles as novel drug delivery vehicles for improving anticancer efficacy** Yani Cui, Junhui Sui, Mengmeng He, Yong Sun, Jie Liang, Yujiang Fan, Xingdong Zhang *Sichuan Universiy, China*	
	15:05-15:20	**Oral-1-3: Functionally graded hydroxyapatite bioceramics for bone tissue engineering** Changchun Zhou, Pengfei Xie, Ying Chen, Xiangdong Zhu, Yujiang Fan, Xingdong Zhang *Sichuan University, China*	**Oral-5-2: Surface engineering with polymer nanocoatings using chemical vapor deposition** Yumin Ye *Ningbo University, China*	**Oral-4-3: Facile synthesis of hyaluronic acid-modified Fe_3O_4/Au composite nanoparticles for targeted dual-mode tumor MR/CT imaging** Yong Hu, Ping Wei, Mingwu Shen, Xiangyang Shi *Donghua University, China*	
	15:20-15:35	**Oral-1-4: Macrophage-affinitive Glucomannan Biomaterials for Targeted Drug Delivery and Bone Tissue Regeneration** Yiming Niu, Chunming Wang *University of Macau, China*	**Oral-5-3: The potential of Poly(γ-glutamic acid) in chondrogenesis and inflammation control** JC Antunes, RM Gonçalves, AC Pereira, R Tsaryk, C Landes, C Brochhausen, S Ghanaati, IO Pereira, MJ Oliveira, J Kirkpatrick, M Barbosa *Universidade do Porto, Portugal*	**Oral-4-4: Gene/Nanoparticle Complexes to Promote Proliferation of Human Vascular Endothelial Cells** Qian Li, Changcan Shi, Yakai Feng *Tianjin University, China*	
	15:35-16:00	**Coffee break**			

	Room	Guiyu Ting (3rd floor)	Huanbi Ting (3rd floor)	Yunxi Ting (3rd floor)	Huanglong Ting (4th floor)
	Chair	**Decheng Wu, Chengtie Wu**	**Guangdong Zhou, Qingling Feng**	**Yujiang Fan, Pedro Granja**	**Lucy Di-Silvio Xuliang Deng**
April 8	**16:00-16:30**	**KS-8: Marc Bohner** *University of Bern, Switzerland* **Bone repair with porous calcium phosphates**	**KS-9: Dongan Wang** *Nanyang Technological University, Sigapore* **Three dimensional culture and development of iPS cells for applied chondrogenesis, hepatogenesis and pancreatic regeneration**	**KS-10: Pedro L. Granja** *University of Porto, Portugal* **Dimensionality and hydrogel stiffness instructing cell behavior**	**KCL- PKU 3D Printing & Tissue Engineering Special Symposium**
	16:30-17:30	**Oral-1-5: Bioreactor Strategy for bone tissue engineering: pre-conditioning scaffolds** Eman Alfayez, Bernadine Idowu, Giuseppe Cama, Trevor Coward, and Lucy Di Silvio *King's College London, UK*	**Oral-7-2: The Novel Decellularized Meniscal Extracellular Matrix Enhances Both Proliferation and Redifferentiation of Passaged Meniscal Fibrochondrocytes** Weimin Guo, Shuyun Liu , Yue Gao, Shibi Lu, Mei Yuan, Jingxiang Huang, Xun Sun, Zhiguo Yuan, Jiang Peng, Aiyuan Wang, Yu Wang, Xiang Sui, Li Zhang, Wenjing Xu, Quanyi Guo *Chinese PLA General Hospital, China*	**Oral-2-1: Ibuprofen-loaded scaffolds for spinal cord injury regeneration – targeting RhoA at the lesion site** Liliana R Pires CDF Lopes, DN Rocha, L Ambrosio, MM Sousa, AP Pêgo *Universidade do Porto, Portugal*	
		Oral-1-6: Fabrication and characterization of porous spherical nano calcium phosphate ceramic granules for bone defect repair Xiangfeng Li, Yumei Xiao, Xiangdong Zhu, Yujiang Fan, Xingdong Zhang *Sichuan Universiy, China*	**Oral-7-3: Development and Characterization of Acellular Porcine Meniscus as a Scaffold for Tissue Engineering** Shuang Gao, Xiaojuan Wei, Tingfei Xi *Peking University, China*	**Oral-1-12: Y1 antagonists as a potential anabolic tool for the treatment of bone-loss** Sousa DM, Baldock PA, Enriquez RF, Zhang L, Sainsbury A, Herzog H, Lamghari M *Universidade do Porto, Portugal*	
		Oral-1-7: Zwitterionic motif as the efficient mediator for HA-mineralization of synthetic scaffolds Pingsheng Liu, Jie Song , Li Li, Jian Shen *Nanjing Normal University, China*	**Oral-3-2: Osteogenic Differentiation of Mesenchymal Stem Cells on Electrospun Nanofibrous Scaffolds** Ning Zhang, Ning-Ping Huang *Southeast University, China*	**Oral-2-2: The Size Effect of Collagen Hydrogels on Embedded Chondrocytes** Jun Liu, Hai Lin, Xiupeng Li, Yujiang Fan, Xingdong Zhang *Sichuan University, China*	
		Oral-1-8: Role of Adsorbed Proteins on Hydroxyapatite-coated Titanium in Cell Adhesion and Osteogenic Differentiation Sai Wu, Xuanyong Liu, Changyou Gao *Zhejiang University, China*	**Oral-5-7: Dynamic stiffness of the polyelectrolyte multilayer films for endothelial cells growth and functions** Mi Hu, Hao Chang, He Zhang, Kefeng Ren, Jian Ji *Zhejiang University, China*	**Oral-2-3: Chondrocyte-Seeded ECM derived microcarriers as building blocks for articular cartilage repair in a rat model** Heyong Yin, Zhen Sun, Xun SUN, Feng Xu, Jingxiang Huang, Xiaoming Yu, Yichi Xu, Yu Wang, Shibi Lu, Jang Peng *Chinese PLA General Hospital, China*	
	17:30	**Dinner**			

	Room	Guiyu Ting (3rd floor)	Huanbi Ting (3rd floor)	Yunxi Ting (3rd floor)	Huanglong Ting (4th floor)
April 9	Chair	Kaiyong Cai, Yizao Wan	Xuehai Yan, José Carlos Rodríguez-Cabello	Rongmin Wang, Sixue Cheng	Li Ren, Sergey Mikhalovsky
	8:30-9:00	KS-11: **Luigi Ambrosio** *National Research Council of Italy, Italy* **Nanostructured Polymer & Composite Platforms for Tissue Regeneration**	KS-12: **José Carlos Rodríguez-Cabello** *Universidad de Valladolid, Spain* **Towards an injectable artificial ECM**	KS-13: **Zhongwei Gu** *Sichuan University, China* **Stimuli responsive drug/gene delivery systems based on bioinspired molecular engineering**	KS-14: **Jiandong Ding** *Fudan University, China* **Cell-Material Interactions Revealed By Material Surface Patterning Technique**
	9:00-9:20	IS-8: **Fan Jin** *University of Science and Technology of China, China* **Find a new strategy to anti-biofilms**	IS-9: **Xuehai Yan** *Institute of Process Engineering, CAS, China* **Co-assembly of simple peptides and porphyrins into complex synthetic systems with functional properties**	IS-10: **Peng Li** *Xi'an Jiaotong University, China* **Antimicrobial coatings for bio-medical devices**	IS-11: **Jun Li** *The First Affiliated Hospital, Zhejiang University, China* **Bone marrow mesenchymal stem cell transplantation for fulminant liver failure**
	9:20-9:35	Oral-4-5: **Comparison of molecular mechanisms of silver and gold nanoparticles on human dermal fibroblasts** Yan Huang, Xiaoying Lü, Qu Yinghua, Yang Yamin, Ma Jingwu, Wu Si *Southeast University, China*	Oral-4-13: **Magneto-exosome as a magnetic targeted drug delivery vehicle for efficient cancer therapy** Hongzhao Qi, Chaoyong Liu, Jin Zhao, Lixia Long, Peiyu Pu, Jing Sheng, Yu Ren, Chunsheng Kang, Xubo Yuan *Tianjin University, China*	Oral-7-4： **Preparation of Keratin-Based Polymer Hydrogel under Microwave Radiation and its Drug Release Behavior** Su-Juan Pan, Xiao-Chun Yin, Yu-Feng He, Yubing Xiong, Rong-Min Wang *Northwest Normal University, China*	Oral-2-4: **N-acryloyl-glucosamine modified PEG-based hydrogel mediated human mesenchymal stem cells in cartilage differentiation** Li Ren, Hang Yao, Jingchen Xue, Lin Wang, Sa Liu, Yingjun Wang *South China University of Technology, China*
	9:35-9:50	Oral-4-6： **Neuropeptide Y Y1 Receptors Mediate Targeted Delivery of Anticancer Drug Encapsulating Nanoparticles for Breast Cancer Therapy** Juan Li, Zheyu Shen, Xuehua Ma, Wenzhi Ren, Lingchao Xiang, An Gong, Tian Xia, Junming Guo, Aiguo Wu *Ningbo Institute of Materials Technology & Engineering, CAS, China*	Oral-7-7： **Acellular cauda equina nerve as the main material combined with chitosan conduits for Rat Sciatic Nerve Regeneration** X. Sun,Y. Wang, Z. Guo, B. Xiao, Z. Sun, H. Meng, X. Sui, J. Huang, W. Guo, F. Xu, H. Yin, Y. Zhu, S. Lu *Chinese PLA General Hospital, China*	Oral-7-5： **Self-assembled drug and gene delivery systems based on natural polymers** Jin-Long Wu, Meng-Qing Gong, Bin Chen, Ren-Xi Zhuo, Si-Xue Cheng *Wuhan University, China*	Oral-2-5: **Bioreactor cultivation and stimulation for bioregeneration of cartilage** XiaoMing Yu, HaoYe Meng, QuanYi Guo, Jiang Peng, AiYuan Wang, ShiBi Lu *Chinese PLA General Hospital, China*
	9:50-10:05	Oral-4-7： **Dual pH-sensitive drug delivery system via intracellular surface charge reversal of mesoporous silica nanoparticles and dissolution of ZnO quantum dots** Jing Zhang, Dan Wu, Jie Feng *Zhejiang University of Technology, China*	Oral-8-1： **A New Strategy for Directly Seeding Cells in Electrospun Nanofibrous Scaffolds** Qilong Zhao, Yu Zhou, Min Wang *The University of Hong Kong, China*	Oral-7-6： **Antimicrobial properties of short membrane-active peptides derived from MSI-78** C Monteiro, M Pinheiro, M Fernandes, S Maia, CL Seabra1, F Ferreira da-Silva, F Costa, S Reis, P Gomes, M Cristina, L Martins *Universidade do Porto, Portugal*	Oral-2-6: **Circulating Immunoregulatory properties of mesenchymal stem cells during chondrogenesis in collagen-based scaffolds** Jingyu Yang, Xuening Chen, Tun Yuan, Yujiang Fan, Xingdong Zhang *Sichuan University, China*
	10:05-10:30	**Coffee Break**			

	Room	Guiyu Ting (3rd floor)	Huanbi Ting (3rd floor)	Yunxi Ting (3rd floor)	Huanglong Ting (4th floor)
	Chair	**Kaiyong Cai, Yizao Wan**	**Xuehai Yan, José Carlos Rodríguez-Cabello**	**Rongmin Wang, Sixue Chen**	**Li Ren, Sergey Mikhalovsky**
April 9	**10:30-11:00**	**KS-15: Deling Kong** *Nankai University,China* **Strategies and techniques to enhance the regeneration of small-diameter vascular grafts**	**KS-16: Jun Wang** *University of Science and Technology of China, China* **Tumor Microenvironment Sensitive Clustered Nanoparticle for Anticancer Drug Delivery**	**KS-17: Brian Meenan** *University of Ulster, UK* **Plasma Induced Modification of Biomaterials- Applications to Regenerative Medicine**	**KS-18: Michael Doser** *Institute of Textile Technology, Germany* **Fibre-based scaffold for tissue engineering**
	11:00-11:20	**IS-12: Tianzhu Zhang** *Southeast University, China* **Mimicking of Fibrous Tumor-associated Extra-Celluar Matrix and its Application in Tumor Cells Culture**	**IS-13: Remo Proietti Zaccaria** *IIT- Istituto Italiano di Tecnologia, Italy* **Sensing devices in bio-medicine: a nanotechnology approach**	**IS-14: Xuanyong Liu** *Shanghai Institute of Ceramics, CAS, China* **Surface modification of biomedical titanium using metal plasma immersion ion implantation**	**IS-15: Sergey Mikhalovsky** *University of Brighton, UK* **Carbon-Polymer Composite Wound Dressings**
	11:20-12:05	**Oral-8-2: The preparation of controlled self-cross-linked smart hydrogels and application as three-dimensional scaffolds for cells culturing in vitro** Shaoquan Bian, Wanxu Cao, Yong Sun, Jie Liang, Yujiang Fan, Xingdong zhang *Sichuan University,China*	**Oral-9-1: Long-term tracking of stem cells using organic nanodots with high brightness and stability** Dan Ding *Nankai University, China*	**Oral-5-4: Biocompatiblity Improvement of Intraocular Lens with Polysaccharide Multilayer Surface Modification** Lin Quankui, Xu Xu, Tang Junmei, Han Yuemei, Chen Hao *Wenzhou Medical University, China*	**Oral-2-7: In-situ birth of MSCs multicellular spheroids in PLGA/CS scaffold to enhance hyaline-like cartilage regeneration** Kunxi Zhang, Shifeng Yan, Guifei Li, Lei Cui, Jingbo Yin *Shanghai University, China*
		Oral-8-3: Multi-functional nanofibrous scaffolds to harness bone and blood vessel formation Lanxin Lyu, Ying Yang *Keele University, UK*	**Oral-9-2: In vivo Tracking of the Migration of Dendritic Cells under a Clinical MR scanner** Ye Xu, Li Yang, Binbin Lin, Chunchao Xia, Qiyong Gong, Bin Song, Hua Ai *Chongqing Medical University, China*	**Oral-5-5: Role of serum proteins in the initial cell adhesion** Qiaoling Huang, Changjian Lin, Martin Antensteiner, Erwin A. Vogler *Xiamen University, China*	**Oral-2-8: Elastin-like recombinamer-biostents (ELR-biostents): a new non-thrombogenic and biocompatible device for cardiovascular diseases** Israel González de Torre, Matilde Alonso, J.Carlos Rodríguez-Cabello *University of Valladolid, Spain*
		Oral-8-4: Injectable Nanocomposite Scaffold With In Situ Solidification And Pore Formation For Tissue Engineering Peibiao Zhang, Ning Zhang, Jianguo Liu, Xuesi Chen *Changchun Institute of Applied Chemistry,CAS, China*	**Oral-9-3: Polyaspartic Acid Encapsulated SPIO Nanocluster for Dendritic Cell Labeling and in vivo MRI Tracking** Changqiang Wu, Li Yang, Ye Xu, Jun Wu, Wencheng Zhu, Chunchao Xia, Qiyong *Sichuan University, China*	**Oral-5-6: Patterning of Neurons on Diamond-like Carbon by Pulsed Laser Ablation** James Dugan, Frederik Claeyssens *The University of Sheffield, UK*	**Oral-2-9: Promoting Esophagus Regeneration through Reconstitution of Mucosa and Muscle Tissue** Yabin Zhu, Lei Hou, Jingjing Lv, Jiachang Jin, Qianqian Wei *Ningbo University, China*
	12:05-14:00	**Lunch**			

	Room	Guiyu Ting (3rd floor)	Huanbi Ting (3rd floor)	Yunxi Ting (3rd floor)	Huanglong Ting (4th floor)
	Chair	**Linqi Shi, Jian Yang**	**Ke Yang, Yufeng Zheng**	**Vincent Torre, Catherine Picart**	**Guoping Chen, Yongfeng Zhou**
April 9	**14:00- 14:30**	**KS-19: Xuesi Chen** *Changchun Institute of Applied Chemistry, CA S, China* **Injectable polypeptide hydrogels for biomedical applications**	**KS-20: Yufeng Zheng** *Peking University, China* **Biodegradable metals- definition, current research status and future**	**KS-21: Vincent Torre** *International School for Advanced Studies, Italy* **Formation and dynamics of 2D and 3D neuronal networks**	**KS-22: Guoping Chen** *National Institute for Materials Science, Japan* **Stepwise Tissue Development Mimicking ECM Scaffolds from Cultured Cells**
	14:30-14:45	**Oral-8-5: Thermosensitive injectable carboxymethyl chitin hydrogel for in situ generation of cell spheroids** Xulin Jiang, Hui Liu, Qizhi Yang, Jia Liu, Renxi Zhuo *Wuhan University, China*	**Oral-6-1: In vivo study of reducing effect of Cu-bearing stainless steel on in-stent restenosis** Ling Ren, Jinzhao Li, Ke Yang *Institute of Metal Research, CAS, China*	**Oral-2-10: In vitro regeneration of contractile vascular smooth muscle tissue on heparin-functionalized surface** Qiang Zhao, Jianing Wang, Jimin Zhang, Xuejiao Chen, Deling Kong *Nankai University, China*	**Oral-1-9: Injectable gelatin-g-poly(N-isopropylacrylamide) hydrogel for bone regeneration** Zhiwei Ren, Yang Wang, Shiqin Ma, Xu Zhang, Qing Cai, Xiaoping Yang *Beijing University of Chemical Technology, China*
	14:45-15:00	**Oral-8-6: Photoswitched Polymeric Materials and Their Biomedical Applications** Guojie Wang *University of Science and Technology Beijing,China*	**Oral-6-2: A novel pseudo protein based biodegradable coating for magnesium substrates: in vitro corrosion phenomena and cytocompatibility** Jing Liu, Xiaoli Liu, Tingfei Xi and Chih-Chang Chu *Peking University, China*	**Oral-2-11: The Fabrication of 3D Double layer Vascular Tissue Engineering Scaffold and Its 3D cell co-culture** Lin Ye, Jie Cao, Lamei Chen, Xue Geng, Aiying Zhang, Zengguo Feng *Beijing Institute of Technology, China*	**Oral-1-10: Preparation of RGD-grafted PLA and n-HAP/PRGD/PLA composite** Youfa Wang, Yingying Ban *Wuhan University of Technology, China*
	15:00-15:15	**Oral-8-7: Injectable In Situ Self-Cross-Linking Hydrogels Based on Poly(L-glutamic acid) and Alginate for Tissue Engineering** Shifeng Yan, Hao Di, Long Feng, Kunxi Zhang, Guifei Li, Jingbo Yin *Shanghai University,China*	**Oral-6-3: Responses of Bacteria to Zinc-incorporated Titanium** Yuqin Qiao, Xuanyong Liu *Shanghai Institute of Ceramics, Chinese Academy of Sciences, China*	**Oral-2-12: Improving the moisturizing properties of collagen film by surface grafting of chondroitin sulfate for corneal tissue engineering** Yang Liu, Yingjun Wang, Li Ren and Linhong Deng *Changzhou University, China*	**Oral-1-11: Study of 4-META@nSiO$_2$ as a novel inorganic fillers in dental adhesives** Bin Zhang, Juan Zhou, Jun Zhu, Dannong He *Shanghai Jiao Tong University, China*
	15:15-15:30	**Oral-8-8: Carbon quantum dots/TiO$_2$ composite films with rapid cell sheet harvesting** Kui Cheng, Xiaozhao Wang, Wenjian Weng *Zhejiang University, China*	**Oral-6-4: Cytocompatibility of Pure Iron Film and Iron Oxide Film Prepared by Unbalanced Magnetron Sputtering** Yanqiu Liu, Nan Huang *Southwest Jiaotong University, China*	**Oral-1-13: Adsorption Behaviors of Key Serum Proteins on Nanostructured Biomaterials: a Perspective from Visualizing Their Conformations** Yi Liu, Hua Li *NIMES, CAS, China*	**Oral-4-9: Dendrimer entrapped gold nanoparticles conjugated with doxorubicin for pH-responsive drug delivery and targeted CT imaging of cancer cells** Jingyi Zhu, Zhijuan Xiong, Mingwu Shen, Xiangyang Shi *Donghua University, China*
	15:30-16:00	**Coffee Break**			

	Room	Guiyu Ting (3rd floor)	Huanbi Ting (3rd floor)	Yunxi Ting (3rd floor)	Huanglong Ting (4th floor)
	Chair	Linqi Shi, Jian Yang	Ke Yang, Yufeng Zheng	Vincent Torre, Catherine Picart	Guoping Chen, Yongfeng Zhou
April 9	16:00-16:30	KS-23: **Jian Yang** *Penn State University, USA* **Design Strategies and Applications of Biodegradable Photoluminescent Polymers**	KS-24: **Jian Ji** *Zhejiang University, China* **Surface Engineering of Cardiovascular Stent for in situ endothelialization**	KS-25: **Catherine Picart** *Grenoble Institute of Technology, France* **Bioactive materials to control cell fate and tissue formation**	KS-26: **Yongfeng Zhou** *Shanghai Jiaotong Univ., China* **Self-assembly of hyperbranched polymer vesicles**
	16:30-16:45	Oral-8-9: **Perforated Isoporous Membranes for High-Resolution and Low-Fouling Separation of Cells at Low Operation Pressure** Ling-Shu Wan, Yang Ou, Zhi-Kang Xu *Zhejiang University, China*	Oral-6-5: **Drug Loaded Magnetic Nanocomposite Implant for Post-surgical Treatment of Breast Cancer** Lingyun Zhao, Zhu Yao, Wensheng Xie, Hao Yan, Xiaodan Sun, Jintian Tang *Tsinghua University, China*	Oral-5-10: **Nanotopography Influences the Osteogenic Differentiation of Mesenchymal Stem Cells** Qian-ru Xiao, Ning-ping Huang *Southeast University, China*	Oral-8-13: **Injectable HAMC hydrogel for the repair of central nervous system** Fanlu Zhuo, Ying Wang, Weiming Tian, Qiang Cai *Tsinghua University, China*
	16:45-17:00	Oral-8-10: **Application of an enzymatically cleavable elastin-like recombinamer for the preparation of ECM mimetic hydrogels** Doriana Orbanić, Israel González deTorre, Javier Francisco Arias Vallejo, José Carlos Rodríguez-Cabello *University of Valladolid, Spain*	Oral-3-3: **Ex vivo expansion of functional human UCB-HSCs/HPCs by novel condition medium** Muti Rehman Khan, Ijaz Ali，Yun Wang，Saima Masood, Wei Jiao，Meifu Feng *University of Veterinary and Animal Sciences, Pakistan*	Oral-5-11: **Preparation of PCL anisotropic particles and their interactions with proteins and cells** Honghao Zheng, Changyou Gao *Zhejiang University, China*	Oral-8-14: **Enhanced therapeutic effects of adipose derived stromal cells with IGF-1 domain conjugated chitosan based hydrogel in renal ischemia** Guowei Feng, Deling Kong et al. *Nankai University, China*
	17:00-17:15	Oral-8-11: **An injectable, thermosensitive and drug-loaded nanoparticles-shedding hydrogel formulation for enhanced local drug accumulation and retention in tumor** Weiwei Wang, Ju Zhang, Chen Li, Deling Kong *Chinese Academy of Medical Science and Peking Union Medical College, China*	Oral-5-8: **XPS Characterisation of UV/ozone processed PLGA/halloysite nanofibers** Magda Igielska, Bethany Welch, Chaozong Liu *University College London, UK*	Oral-4-12: **Electrospun Micelles/Drug-loaded Nanofibers for Time-programmed Multi-agent Release** Guang Yang, Shaobing Zhou *Southwest Jiaotong University, China*	Oral-8-15: **The control of nanostructure size of silk fibroin films and their drug release properties** Juan Zhou, Bin Zhang, Dannong He *National Engineering Research Center for Nanotechnology, China*
	17:15-17:30	Oral-8-12: **Controlled Dual Delivery of Two Growth Factors VEGF and PDGF from Electrospun Tissue Engineering Scaffolds** Yu Zhou, Qilong Zhao, Min Wang *The University of Hong Kong, China*	Oral-5-9: **Preparation of polyelectrolyte microcapsules with different shapes and their influences on cellular uptake** Huiying Li, Weijun Tong, Changyou Gao *Zhejiang University, China*	Oral-4-11: **Erasable Microporous Polyelectrolyte Multilayer Films as Delivery Platform for Hydrophobic Drugs** Xia-chao Chen, Ke-feng Ren, Jia-hui Zhang, Emily Zhao, Jian Ji *Zhejiang University, China*	Oral-4-8: **TiO_2-based inorganic photosensitizers for magnetic resonance imaging and photodynamic therapy of breast cancers** Leyong Zeng, Aiguo Wu *NIMES, CAS, China*
	17:30-17:45	Oral-7-8：**Application of porcine articular cartilage extracellular matrix scaffold** Yun Zhu, Quanyi Guo *Chinese PLA General Hospital, China*		Oral-4-10: **Preparation of novel porphyrin nanomaterials based on the pH-responsive shape evolution of porphyrin microspheres** Wenbo Zhang, Changyou Gao, et al. *Zhejiang University, China*	
	18:00	**Gala Dinner**			

	Room	Guiyu Ting (3rd floor)	Huanbi Ting (3rd floor)	Yunxi Ting (3rd floor)
	Chair:	**Hong Chen, Elizabeth Engel**	**Pedro L. Granja, Jun Fu**	**Wenxin Wang, Yakai Feng**
April 10	8:30-9:00	**KS-27: Elizabeth Engel** *University of Barcelona, Spain* **Instructive Biomaterials as Signal releasing Platforms**	**KS-28: Xiangyang Shi** *Donghua University, China* **Polyethyleneimine-Assisted Synthesis and Functionalization of Fe_3O_4/Au Composite Nanoparticles for Precision Tumor Imaging and Photothermal Therapy**	**KS-29: Wenxin Wang** *University College Dublin, Ireland* **Highly Branched Poly(β-Amino Ester)s as New Gene Delivery Vectors**
	9:00-9:20	**IS-16: Dimitry Gorin** *Saratov State University, Russia* **Mobile SERS sensors for cell analysis**	**IS-17: Jun Fu** *Ningbo Institute of Materials Technology and Engineering, CAS, China* **Tough Hydrogel Actuators**	**IS-18: Yakai Feng** *Tianjin University, China* **CREDVW-linked multifunctional micelles as gene transfer vector for proliferation of endothelial cells**
	9:20-9:50	**Coffee break**		
	Room	**Huagang Ting (4th floor)**		**Chair**
	9:50-10:35	**PS-3: Yan Jin,** *The Forth Military Medical University, China* **Tissue-specific ECM enhanced morphogenesis of tissue regeneration**		**Xindong Zhang** **Luigi Ambrosio**
	10:35-11:20	**PS-4: Yannis Missirlis,** *University of Patras, Greece* **Mechanical signals and cellular functions**		
	11:20-11:50	**Closing ceremony**		
	12:00-13:30	**Lunch**		
	13:30-17:30	**Sightseeing (Westlake)**		

April 8	**KCL- PKU** **3D Printing & Tissue Engineering Special Symposium**
Room	**Huanglong Ting (4th floor)**
Chair	**Lucy Di-Silvio, Xuliang Deng**
14:00- 14:30	**KS-30: Wei Sun,** *Tsinghua University, China* **3D Cell Printing for In Vitro Drug Testing Model**
14:30-15:00	**KS-31: Lucy Di-Silvio,** *King's College London, UK* **Rebuilding Faces**
15:00-15:30	**IS-19: Xuliang Deng,** *Peking University, China* **Effects of compatibility of calcium phosphate scaffolds with bioactive factors on their combined application for bone regeneration**
15:30-16:00	**Coffee Break**
16:00-16:30	**IS-20: Trevor Coward,** *King's College London, UK* **Digital Technology in Maxillofacial Rehabilitation**
16:30-16:50	**IS-21: Yunsong Liu,** *Peking University, China* **The nanoscale geometry of scaffold surface influences the osteogenic differentiation of mesenchymal stem cells by epigenetic approach**
16:50-17:05	**Oral-S-1: Advanced Biocompatible Scaffolds Obtained Through Stereo lithography For Tissue Engineering Applications** A. Ronca, A.Gloria, S. Ronca, G. Forte, R. De Santis, L. Ambrosio *National Research Council of Italy, Italy*
17:05-17:20	**Oral-S-1: Enhance Cells Ingrowth and Colonization of Collagen-Hydroxyapatite Scaffolds** Chaozong Liu, Maryam Tamaddon, Jiangcang Wang *University College London, UK*