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Innovative Regenerative Medicine for **Translation to Human**



PS11-08

3D Bioprinting of Diabetic Wound Healing Patch using Adiposederived MSCs-laden Placenta-derived Extracellular Matrix Bioink

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PS11-09

Development of 3D Bioprinted Vascularized Respiratory Modular Assembly for Inflammatory Respiratory Disease Hyoryung Nam¹, Yoo-mi Choi¹, Sungkeon Cho², Ge Gao², Donghwan Kim³,

Jongmin Kim², Hwanyong Choi², Se-Hwan Lee¹, and Jinah Jang^{1,2,3,*}

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PS11-10

Engineering Peri-islet Niche and Cellular Organization for Stem Cell-derived Islets and Vasculatures using Bioprinting Technology

Myungji Kim¹, Seungyeun Cho⁴, Dong Gyu Hwang¹, Jinah Jang^{1,2,3,4,*}

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PS11-11

Accelerated Blood Vessel Infiltration using Platelet-Rich Plasma Bioink for Adipose Tissue Regeneration Hanan J. Mohamed, Wonwoo Jeong, Hyun-Wook Kang*

Department of Biomedical Engineering, Ulsan National Institute of Science and Technology (UNIST), Ulsan, Republic of Korea

Biomaterials

PS13-01

Enhanced mechanical properties of decellularized tissue-derived adhesive hydrogel for tissue regeneration <u>Eunseon Jeong</u>¹ and Seung-Woo Cho^{1,2*}

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PS13-02

Resealable anti-thrombotic artificial vascular graft integrated with a self-healing blood flow sensor <u>Kijun Park</u>¹, Soojung An², Jihyun Kim¹, Sungjun Yoon², Jihyang Song, Daekwang Jung², Jae Park¹, Yeontaek Lee¹, Donghee Son^{2*}, and Jungmok Seo^{1*}

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PS13-03

Photonic Crystal Hydrogel Patch for Continuous and visible monitoring of Wound Yonghoe Koo, Jinmyoung Joo*

Biomedical engineering, Ulsan national institute of science and technology, Republic of Korea

PS13-04

Blood Coagulating Factor Conjugated Hyaluronic acid Hydrogel for Multifunctional Hemostat

Soohwan An¹, Jihoon Jeon¹, Seung Yeop Han¹, Young Seok Song¹, Seung-Woo Cho^{1,2,3}

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