



한국조직공학·재생의학회

Korean Tissue Engineering and Regenerative Medicine Society

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제24차

한국조직공학 · 재생의학회

학술대회

Innovative Regenerative Medicine for Translation to Human

2024. **05. 02** (목) 오후 2시 ~ **05. 04** (토) 오후 12시

제주, 신화월드 랜딩컨벤션센터



PS02-31

Nitric Oxide-Releasing Biomimetic Scaffold for Regeneration of Osteoporotic Bone through Regulation of Homeostasis

Jun-Kyu Lee, Dong Keun Han*

Department of Biomedical Science, CHA University, Seongnam-si, Gyeonggi-do

PS02-32

A dual sprayable anti-inflammatory hydrogel for prevention of tissue adhesions

Hyun Jung Kim, Nathaniel Suk-Yeon Hwang*

Interdisciplinary Program in Bioengineering, Seoul National University, Korea

PS02-33

A 3D Printed ECM-based Patch for Local Drug Delivery with Controlled-release in Prevention of Capsular Contracture

Yeonggwon Jo¹, Hyung Bae Kim², Soo Hyun Woo², Se Young Han², Ju Young Park⁵, Jinah Jang^{3,4,5}, Hyun Ho Han²

¹School of interdisciplinary bioscience and bioengineering, Pohang University of Science and Technology (POSTECH), Korea, ²Department of Plastic Surgery, Asan Medical Center, University of Ulsan College of Medicine, Seoul, Korea, ³Department of Mechanical Engineering, Pohang University of Science and Technology (POSTECH), Pohang, Korea, ⁴Department of Convergence IT Engineering, Pohang University of Science and Technology (POSTECH), Pohang, Korea, ⁵Biobricks Co., Ltd. Pohang, Korea

PS02-34

Antioxidant Chitosan/Poly(Acrylic Acid) Double-Network Hydrogel Patch to Treat Psoriasis by Regulating Oxidative Stress

Ga-eun Yeo, Jaeyun Kim*

School of Chemical Engineering, Sungkyunkwan University (SKKU), Suwon, Republic of Korea

PS02-35

Fabrication and Assessment of Biodegradable Nanofibrous Sheets with Tissue-Adhesive Property to Inhibit Lung Air Leakage

Dong Hoon Sim, Yu Jeong Kim, Oh Hyeong Kwon*

Department of Polymer Science and Engineering, Kumoh National Institute of Technology, Gumi, Gyeongbuk, Republic of Korea

PS02-36

Fabrication of a Powder-type Hemostatic Agent with Dialdehyde Starch/Hyaluronic acid and Blood Coagulation Agents for Minimally Invasive Surgery

Do Kyung Kim, Byung Joo Kim, Oh Hyeong Kwon*

Department of Polymer Science and Engineering, Kumoh National Institute of Technology, Gumi, Gyeongbuk, Republic of Korea

PS02-37

Low-intensity ultrasound stimulation accelerates cellular reprogramming for iPS generation in a 3D hyaluronic acid hydrogel

Min-Ju Lee, Deogil Kim, Jinsung Ahn, Yoshie Arai, Soo-Hong Lee*

Dongguk University-Seoul, Seoul, Korea

PS02-38

Orally Administered Polyphenol Compositated Nanotherapeutics Modulating Gut Homeostasis against Inflammatory Bowel Disease

Dong Kwang Min, Jae Yun Kim*

Chemical Engineering, Sungkyunkwan University, Korea

PS02-39

Extended Release of Dexamethasone from Injectable Click-Crosslinked Hydrogel Encapsulating Dexamethasone-Loaded

Yejin Lee, Ji Yeon Heo, Moon Suk Kim*

Department of Molecular Science and Technology, Ajou University, Suwon, Republic of Korea