



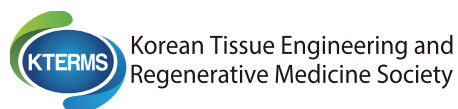
**Tissue Engineering and Regenerative Medicine
International Society Asia-Pacific Chapter Conference 2022**

TERMIS-AP 2022

October 5-8, 2022 / ICC Jeju, South Korea

New Chapter of Future Regenerative Medicine

Program Book





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PS02-066

In situ forming and copper-containing hydrogel as a controlled nitric oxide-releasing scaffold for tissue engineering

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PS02-067

3D printing of biohybrid electrical stimulation platform to promote insulin secretion of pancreatic β cell

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PS02-068

Enzyme-based on-demand photo-cross-linkable hydrogel for image-guided vascular embolization

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PS02-069

Development of light-blocking nanofiber membrane for a three-dimensional *in vitro* angiogenesis model capable of real-time selective imaging

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PS02-070

Development of silk-based cultured meat scaffold with aligned fibrous texture

Xuan Hao Tan^{*1}, Reuben Chua¹, James Goh Cho Hong¹

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PS02-071

Harnessing the *in vivo* inflammatory response for tissue engineering

Li Yenn Yong^{*1}, Shahow Shawk¹, Jared McSweeney¹, Jonny Blaker¹, Jason Wong¹, Brian Derby¹

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October 5-6

PS03 Delivery systems

(drug, biomolecules, active ingredient, etc.)

PS03-001

A senolytic-eluting coronary stent for the prevention of in-stent restenosis

Cheesue Kim¹, Seul-Gee Lee², Songhyun Lim¹, Mungyo Jung¹, Sung Pil Kwon¹, Jihye Hong¹, Mikyung Kang¹, Hee Su Sohn¹, Seokhyeong Go¹, Sangjun Moon¹, Seung-Jun Lee², Jung-Sun Kim², Byung-Soo Kim^{*1}

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PS03-003

Genetic fusion of a human serum albumin-specific protein binder significantly increases the biological functionality and blood circulation time of human interleukin-15

Jin-Ho Park¹, June-Ho Byun^{*1}

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PS03-004

Tumor intracellular microenvironment-responsive nanoparticles for magnetically targeted chemotherapy

Shameer Pillarisetti¹, Kang Moo Huh², In-Kyu Park^{*1}

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PS03-005

Capsulation technique-based intercellular organelle transfer for osteoarthritis therapy

Hye-Ryoung Kim¹, Hye Jin Kim¹, Sujin Lee¹, Hui Bang Cho¹, Sujeong Lee¹, Keun-Hong Park^{*1}

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PS03-006

Fabrication of a polymeric inhibitor of membrane-type co-localized enzymes for synergistic inhibition of cancer cell metabolism

Yuki Koba¹, Masahiko Nakamoto¹, Michiya Matsusaki^{*1}

¹Osaka University, Japan

PS03-007

Cell-favorable protein-based adhesive microcapsules for NK cells-mediated cancer immunotherapy

Hyun Sun Choi¹, Eunseo Kim¹, Hyomin Lee¹, Hyung Joon Cha^{*1}

¹POSTECH, Republic of Korea

PS03-008

Click chemistry complex drug delivery system using tissue extracellular matrix for the anti-tumor therapy

Sung-Han Jo¹, Muhammad Gulfam², Byeong-Hoon Choi¹, RAISSA MUNDERERE¹, Ye-Jin Kim¹, Kwon Taek Lim², Sang-Hyug Park^{*1}

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PS03-009

Transdermal delivery of hyaluronate based upconverting nanoparticle

Hye Eun Choi¹, Ki Su Kim^{*1}

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PS03-010

Doxycycline-eluting core-shell type nanofiber-covered trachea stent for inhibition of cellular metalloproteinase and its related fibrotic stenosis

Ngoc-Thuan Truong¹, Phuong-Hoa Tran¹, Sung-Min Jeon², Duy-Binh Tran³, Su-Guen Yang^{*2}

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PS03-011

Improved properties of polymeric micelles via hydrophobic core-clustering of superparamagnetic iron oxide nanoparticles

Su-Geun Yang¹, Kyung-Ju Shin¹, Yixin Jiang¹, Su-Geun Yang^{*1}

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PS03-012

An organ-on-a-chip approach for efficient phage display biopanning under physiological conditions