

Curriculum Vitae

Name : PARK, Suk-Hee

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Biography : Suk-Hee Park received his B.S.(2004) and Ph.D. degree(2011) at Department of Mechanical Engineering in Korea Advanced Institute of Science and Technology (KAIST). Then he moved to Korea Institute of Science and Technology (KIST) and Seoul National University (SNU) for postdoctoral research. Before joining the faculty in Pusan National University (PNU), he worked as a senior researcher in Korea Institute of Industrial Technology (KITECH). Recently in 2019, he was appointed as an assistant professor at School of Mechanical Engineering in PNU. His recent research interests include development of micro-/nano-fabricated or 3D printed functional devices and their applications to tissue engineering and electromechanical systems.

Publications (selected for tissue engineering field in recent 3 years)

S.H. Park*, B.K. Kang*, J.E. Lee, S.W. Chun, K. Jang, Y.H. Kim, M.A. Jeong, Y. Kim, N.K. Lee, D. Choi#, H.J. Kim#, "Design and Fabrication of a Thin-Walled Free-Form Scaffold on the Basis of Medical Image Data and a 3D Printed Template: Its Potential Use in Bile Duct Regeneration", *ACS Applied Materials & Interfaces*, vol. 9, no. 14, pp. 12290-12298, 2017.

M.S. Kim*, B. Lee*, H.N. Kim, S. Bang, H.S. Yang, S.M. Kang, K.Y. Suh, S.H. Park#, N.L. Jeon#, "3D tissue formation by stacking detachable cell sheets formed on nanofiber mesh", *Biofabrication*, vol. 9, no. 1, 015029, 2017.

U.H. Ko*, S.H. Park, H. Bang, M. Kim, H. Shin, J.H. Shin#, "Promotion of Myogenic Maturation by Timely Application of Electric Field Along the Topographical Alignment", *Tissue Engineering Part A*, vol. 24, pp. 752-760, 2018.

Y. Yoon*, C.H. Kim, J.E. Lee, J. Yoon, N.K. Lee, T.H. Kim#, S.H. Park#, "3D bioprinted complex constructs reinforced by hybrid multilayers of electrospun nanofiber sheets", *Biofabrication*, vol. 11, no. 2, 025015, 2019.

J.E. Lee*, S.J. Park, Y. Yoon, Y. Son, S.H. Park#, "Fabrication of 3D free form porous tubular constructs with mechanical T flexibility mimicking that of soft vascular tissue", *Journal of the Mechanical Behavior of Biomedical Materials*, vol. 91, pp. 193-201, 2019.

H.D. Jung*, T.S. Jang, J.E. Lee, S.J. Park, Y. Son, S.H. Park#, "Enhanced bioactivity of titanium-coated polyetheretherketone implants created by a high-temperature 3D printing process", *Biofabrication*, vol. 11, 045014, 2019.