

## Curriculum Vitae

## Chan Ho Park

Assistant Professor

Dept. of Dental Biomaterials, School of Dentistry, Kyungpook National University



## ● Education

- 2006–2010 Ph.D., Department of Biomedical Engineering, College of Engineering, University of Michigan, Ann Arbor MI USA
- 2003–2005 M.S., Department of Biomedical Engineering, College of Engineering, University of Michigan, Ann Arbor MI USA
- 1998–2002 B.S., Department of Chemical Engineering, College of Engineering, Kyung Hee University, Korea

## ● Professional Experience

- 2018–Present Kyungpook National University, Assistant Professor
- 2016–2018 Seoul National University, Research Assistant Professor
- 2014–2016 Dankook University, Research Assistant Professor
- 2012–2014 Seoul National University, Senior Research Scientist

## ● Research Interests

- Surface topography fabrication to control angulations of periodontal ligament
- 3D printed architecture development to multiple periodontal complex (cementum–PDL–alveolar bone) neogenesis
- Mesenchymal cell manipulation to promote and accelerate bone formation
- Experimental animal model developments for tissue complex formation in periodontal disease and diabetes

## ● Publications

1. C.H. Park, et. al., 3D Printed, Microgroove Pattern–Driven Generation of Oriented Ligamentous Architectures. *International Journal of Molecular Sciences* 2017 18(9); 1927
2. C.H. Park\*, Joung–Hwan Oh\*, et. al., (2017) Effects of the incorporation of  $\epsilon$ –aminocaproic acid/chitosan particles to fibrin on cementoblast differentiation and cementum regeneration. *Acta Biomaterialia* 61: 134–143 (\*equal contribution)
3. J.H. Kim\*, C.H. Park\*, R.A. Perez\*, et al., (2014) Advanced Biomatrix Designs for Regenerative Therapy of Periodontal Tissues. *Journal of Dental Research* 93(12): 1203–1211 (\*equal contribution)
4. C.H. Park, et al., (2014) Spatiotemporally controlled micro–channels of periodontal mimic scaffolds. *Journal of Dental Research* 93(12): 1304–1312
5. C.H. Park, et al., (2012) Tissue engineering bone–ligament complexes using fiber–guiding scaffolds. *Biomaterials* 33(1): 137–145