

## Curriculum Vitae

## Kyu Hwan Kwack

Assistant Professor  
Kyung Hee University



### ● Educational Background & Professional Experience

2022–Present	Assistant Professor, Oral Microbiology, Kyung Hee University
2019–2022	Postdoc fellow, Oral Biology, University at Buffalo
2010–2019	D.M.D.–Ph.D, Dentistry, Kyung Hee University
2003–2009	D.V.M., Veterinary Medicine, Jeju National University

### ● Research Interests

Immunological mechanisms in periodontal disease  
Osteoimmunology of oral and maxillofacial disease

### ● Publications

1. Kwack KH\*, Jang Eun-Young, Yang SB, Lee Jae-Hyung, Moon Ji-Hoi. Genomic and phenotypic comparison of *Prevotella intermedia* strains possessing different virulence in vivo. *Virulence*. 2022.
2. Kwack KH\*, Zhang L, Kramer ED, Thiyagarajan R, Lamb NA, Arao Y, Bard JE, Seldeen KL, Troen BR, Blackshear PJ, Abram SI, Kirkwood KL. Tristetraprolin limits age-related expansion of myeloid-derived suppressor cells. *Front Immunol*. 2022.
3. Kwack KH\*, Zhang L, Sohn J, Maglaras V, Thiyagarajan R, Kirkwood KL. Novel Preosteoclast Populations in Obesity-Associated Periodontal Disease. *J Dent Res*. 2021;220345211040729.
4. Kwack KH\*, Lamb NA, Bard JE, Kramer ED, Zhang L, Abrams SI, Kirkwood KL. Discovering Myeloid Cell Heterogeneity in Mandibular Bone — Cell by Cell Analysis. *Front Physiol*. 2021;12:731549.
5. Kwack KH\*, Maglaras V, Thiyagarajan R, Zhang L, Kirkwood KL. Myeloid-derived suppressor cells in obesity-associated periodontal disease: A conceptual model. *Periodontol 2000*. 2021;87(1):268-275.