

## Curriculum Vitae

Name: Tan Kai Soo  
Present appointment: Associate Professor, Faculty of Dentistry, National University of Singapore  
Contact information: 9 Lower Kent Ridge Road, National University Center for Oral Health Singapore,  
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### Academic Qualifications:

PhD, Oral Microbiology, National University of Singapore  
BSc (Honors), Microbiology, National University of Singapore

### Administrative Appointments:

2023-current Assistant Dean (Research), Faculty of Dentistry, NUS  
2020-current Director, Discipline of Oral Sciences, Faculty of Dentistry, NUS  
2020-current Member, Faculty Board, Faculty of Dentistry, NUS  
2019-current Member, Faculty Teaching Excellence Committee, Faculty of Dentistry, NUS  
2016-current Member, Faculty Research Policy Committee, Faculty of Dentistry, NUS  
2011-current Staff in charge, Microbiology and Molecular Biology Laboratories, Faculty of Dentistry, NUS

### Teaching Areas:

Oral Biology; Periodontal Microbiology; Endodontic Microbiology; Oral Biofilms; Immunology

### Research Areas:

Oral biofilms; Host-pathogen interactions; Biomarkers in periodontal disease

### Selected Publications (\*corresponding author):

1. R.J.J. Chew, C.E. Goh, S. Gopu, P.M. Preshaw and K.S. Tan\* (2023). Microbial biomarkers as a predictor of periodontal treatment response: A systematic review. *Journal of Periodontal Research*. 58:1113-1127.
2. R.J.J. Chew, Y.L. Tang, X.Y.S. Lin, F.J.B. Oh, R.P. Sim, E.J. Anwar, P.M. Preshaw and K.S. Tan\* (2023). Toll-Like Receptor-4 activation by subgingival biofilm and periodontal treatment response. *Clinical Oral Investigations*. 27:2139-2147.
3. Y.L. Tang, T.S. Sim and K.S. Tan\* (2022). Oral streptococci subvert the host innate immune response through hydrogen peroxide. *Scientific Reports* 12:656
4. Y.R.I. Lim, P.M. Preshaw, H.S. Lin and K.S. Tan\* (2021). Resveratrol and its Analogues as Functional Foods in Periodontal Disease Management. *Frontiers in Dental Medicine, Periodontics* <https://doi.org/10.3389/fdmed.2021.636423>.
5. K.S. Tan\*, R.J.J. Chew, P.F. Allen and V.S.H. Yu (2021). Aerosol generating dental procedures: A reappraisal of analysis methods and infection control measures. *Journal of Hospital Infection* 117:81-88.
6. N. Gupta, J. Ferreira, C.H.L. Hong and K.S. Tan\* (2020). *Lactobacillus reuteri* DSM 17938 and ATCC PTA 5289 Ameliorates Chemotherapy-Induced Oral Mucositis. *Scientific Reports* 2020 10:16189
7. Y.R.I. Lim, P.M. Preshaw, L.P. Lim, M.M.A. Ong, H.S. Lin and K.S. Tan\* (2020). Pterostilbene complexed with cyclodextrin exerts antimicrobial and anti-inflammatory effects. *Scientific Reports* 10:9072.
8. E.E. Tan, S.Y. Quah, G. Bergenholtz, V. Rosa, V.S.H. Yu and K.S. Tan\* (2019). Antibiotics Used in Regenerative Endodontics Modify Immune Response of Macrophages to Bacterial Infection. *Journal of Endodontics* 45(11):1349-1356. [Highlighted by the Editorial]
9. N. Gupta, S.Y. Quah, J.F. Yeo, J. Ferreira, K.S. Tan\*, C.H.L. Hong (2019). Role of Oral Flora in Chemotherapy-induced Oral Mucositis *In Vivo*. *Achieves of Oral Biology* 14;101:51-56
10. A.T. Chow, S.Y. Quah, G. Bergenholtz, K.C. Lim, V.S.H. Yu and K.S. Tan\* (2019). Bacterial species associated with persistent apical periodontitis exert differential effects on osteogenic differentiation. *International Endodontic Journal* 52:201-210.