

微生物学講座
(Department of Microbiology)

教育研究原著論文

1) 印刷公表

1. Min J, Mashimo C, Nambu T, Maruyama H, Takigawa H, Okinaga T. Resveratrol is an inhibitory polyphenol of epithelial–mesenchymal transition induced by *Fusobacterium nucleatum*. *Arch Oral Biol* 2024;160:doi: 10.1016/j.archoralbio.2024.105897.
2. Morita M*, Nambu T, Yamasaki R*, Yoshioka K*, Inoue M*, Nishihara T*, Okinaga T, Ariyoshi W*. Characterization of oral microbiota in 6–8-month-old small breed dogs. *BMC Vet Res* 2024;20(2):138–138.
3. Takigawa H, Mizutani S, Ikegami S^{*2}, Mashimo C, Wang C, Wu Z, Min J, Liu B, Li J, Zheng J, Chen J, Zhang R, Nambu T, Maruyama H, Yamaki A^{*2}, Okinaga T. Antimicrobial activity of ethanol-extracted propolis fractions from Bahia, Brazil. *J Osaka Dent Univ* 2024;58(1):165–171.
4. Min J, Okinaga T, Mashimo C, Nambu T, Maruyama H. Resveratrol regulates *F. nucleatum*–induced the epithelial–mesenchymal transition in cancer cells. *J Osaka Dent Univ* 2024;58(1):213–218.
5. Wang C, Nambu T, Takigawa H, Maruyama H, Mashimo C, Okinaga T. Effect of 5–aminolevulinic acid–mediated photodynamic therapy on *Fusobacterium periodonticum*. *J Osaka Dent Univ* 2024;58(1):219–226.
6. Wu Z, Takigawa H, Maruyama H, Nambu T, Mashimo C, Okinaga T. *Actinomyces oris* MG-1 induces inflammatory response in dTHP-1 macrophage cells. *J Osaka Dent Univ* 2024;58(1):267–271.
7. Yoshikawa G, Nambu T, Teranishi Y, Morinaga K, Kusano K, Okinaga T, Baba S. Investigation of the diversity of peri-implantitis microbiota associated with patient metadata. *J Osaka Dent Univ* 2024;58(1):279–288.
8. Mori S, Maruyama H, Taguchi Y, Azuma H, Ogata C, Okinaga T, Umeda M. Longitudinal analysis of chronic periodontitis bacterial flora by next-generation sequencing. *J Osaka Dent Univ* 2024;58(1):289–294.
9. Fushizuka H, Maruyama H, Nambu T, Mashimo C, Uchida T, Okinaga T, Momota Y. Development of oral flora analysis methods useful for perioperative oral care. *J Osaka Dent Univ* 2024;58(1):295–303.
10. Liu B, Mashimo C, Nambu T, Maruyama H, Okinaga T. Transposon insertion in *Rothia dentocariosa*. *J Oral Biosci* 2024;66(2):358–364.
11. Wu Z, Takigawa H, Maruyama H, Nambu T, Mashimo C, Okinaga T. TLR2-dependent and independent pyroptosis in dTHP-1 cells induced by *Actinomyces oris* MG-1. *Biochem Biophys Rep* 2024;38:doi: 10.1016/j.bbrep.2024.101680.

12. Wang C, Nambu T, Takigawa H, Maruyama H, Mashimo C, Okinaga T. Effect of 5-aminolevulinic acid-mediated photodynamic therapy against *Fusobacterium nucleatum* in periodontitis prevention. *J Photochem Photobiol B* 2024;256(1):doi: 10.1016/j.jphotobiol.2024.112926.
13. Tanimoto H, Ogawa Y^{*3}, Nambu T, Koi T^{*3}, Ohashi H^{*3}, Okinaga T, Yamamoto K. Microbial contamination of spittoons and germicidal effect of irradiation with krypton chloride excimer lamps (Far UV-C 222 nm). *PLoS One* 2024;19(8):doi: 10.1371/journal.pone.0308404.
14. Li J, Nambu T, Wang C, Takigawa H, Maruyama H, Mashimo C, Okinaga T. Optimizing red light-based photodynamic therapy for effective bactericidal action against *Fusobacterium nucleatum* subspecies. *Pathogens* 2024;13(11):doi: 10.3390/pathogens13111016.
15. Nakai M, Imai K, Kojima M^{*4}, Ozaki K^{*4}, Okinaga T, Okusa N. Alterations in antibacterial properties and cellular uptake of platinum nanoparticles mixed with various metal nanoparticles. *Nano Biomed* 2024;16(2):102–108.
16. Hao H, Nambu T, Liang Y, Kato J, Shinkawa A, Uchida H, Zhang R, Zheng J, Okinaga T, Takahashi K. Phylogenetic analysis and subspecies distribution of *Fusobacterium nucleatum* isolated from interdental plaque. *Nano Biomed* 2024;16(2):109–115.
17. Huang Y, Nambu T, Takigawa H, Kawamoto A, Okinaga T, Takahashi K. Impact of Environmental pH on the Structure and Diversity of Oral Microbiota: An In Vitro Study. *Microbiol Res* 2024;15(4):2764–2776.
18. Hao H, Nambu T, Masago A, Inoue T, Kawamoto A, Okinaga T, Takahashi K. Comparative analysis of biofilm formation ability in isolates of *Fusobacterium nucleatum* subspecies. *J Oral Tissue Eng* 2024;22(2):68–75.

著書

1. Maruyama H. 共著. Bacterial Chromatin. Methods and Protocols. Methods in Molecular Biology. New York:Hmana Press 2024:263–277.

*九州歯科大学

*2株式会社山田養蜂場

*3ウシオ電機株式会社

*4摂南大学