

Name: Chern Hsiung Lai, DMD, PhD

E-mail: chern@kmu.edu.tw

Tel: 07-313-7814 or 07-312-1101extention2712

Education

- University of Pennsylvania, School of dental medicine, **DMD**,
- 1975-09 月 to 1977-06
- Osaka Dental University, Dept. of Microbiology, **PhD**, 1965-09 月 to 1969-12

Current position and relevant experience

Visiting Professor, Kaohsiung Medical University, School of Dentistry -----2006-2010

Visiting Professor, Kaohsiung Medical University, School of Life Science,

Department of Biomedical Science and Environment Biology -----2010-2020

Visiting Professor, Kaohsiung Medical University, School of Dentistry-----Present

Specialty

Dental Medicine

Oral Microbiology

Anaerobic Microbiology

Dental Implant Science

Dental and Medical Material Science

References

1	Bor-Shiunn ; Shih, Kuang-Shao ; <u>Lai, Chern-Hsiung</u> ; Chen, Yi-Wen; Lee, <u>Z</u> Surface property alterations and osteoblast attachment to contaminated titanium surfaces after different surface debridement: An in vitro study; Clin Implant Dent Relat Res. 2018;1-9.
2	HT Hung, DQ Ye, <u>Chern Hsiung Lai</u> *:Comparison analysis on the adhesion ability of <i>Streptococcus sanguinis</i> to commonly used dental alloys with various content of gold; J Dental Sciences; Vol.11:437-442, 2016

3	Lee B, Shih W, Hsieh W, Lee C, Chen Y, Lin H, Lai C , Takeuchi Y; A functional chitosan membrane with grafted epigallocatechin-3-gallate and lovastatin enhances periodontal tissue regeneration in dogs; Carbohydrate Polymers, vol. 15, 2016
4	Lee B, Hsieh W, Lee C, Wang Y, Chen Y, Chen H, Lai C ; Controlled-release of tetracycline and lovastatin by poly(D,L-lactide-co-glycolide acid)-chitosan nanoparticles: International Journal of Nanomedicine, vol. 11,2
5	Tanner A, Chern-Hsiung Lai , Maiden M.; Characteristics of oral gram-negative species, Chapter 19 in Textbook of Contemporary Oral Microbiology and Immunology, 299-341Mosby Year Book,1992
6	Maiden M, Chern-Hsiung Lai , Tanner A.; Characteristics of oral gram-positive species, Chapter 20 in Textbook of Contemporary Oral Microbiology and Immunology, 342-372Mosby Year Book.1992
7	Chi, Nai-Chih, Huang Shun-Te, K, Cheng-Pan and Lai, Chern-Hsiung ; Selective Media for Differentiation and Recovery of <i>Streptococcus mutans</i> . Taiwan J. of Pediatric Dentistry, 7:57-64, 2007
8	Greco, Peter M. and Lai, Chern-Hsiung ; A new method of assessing aerosolized bacteria generated during orthodontic debonding procedures.: Am J Orthod Dentofacial. Orthop;133:S79-87,2008
9	Wang, Chih-Kuang, Chen, Szu-Hsien, Li, Wan-Yun, Lai, Chern-Hsiung and Chen Wen-Cheng., Bioactive glass Shell growth of a Si-Na-Ca-P layer on gold nanoparticles functionalized with mercaptopropyltrimethyloxysilane-silicate-tetraethylthosilicate.:SRL Vol.16, No.1 Surface Review and Letters (SRL),(February) 2009
10	Wang, Jen-Chyan, Ko, Chia-Ling, Hung , Chun-Cheng, Tyan, Yu-Chang, Lai, Chern-Hsiung , Chen, Wen-Cheng and Wang, Chih-Kuang.: Driving fast setting properties of tetracalcium phosphate/dicalcium phosphate anhydrous bone cement with nanocrystallites on the reactant surfaces.: J of Dentistry;158-165, 2010
11	Chen, Pei-Min, Chen, Yi-Ywan M., Yu, Sung-Liang, Sher, Singh, Lai, Chern-Hsiung and Chia, Jean-San.: Role of GlnR in Acid-Mediated Repression of Genes Encoding Proteins Involved in Glutamine and Glutamate Metabolism in <i>Streptococcus mutans</i> .: APPLIED AND ENVIRONMENTAL MICROBIOLOGY, Apr.; 2478–2486, 2010

12	Lai, Chern-Hsiung and Chen,C: HELBO Photodynamic System (Clinical Applications of Dental Laser systems). 2009: p36~p48
13	Lai, Chern-Hsiung and Kuo B: Clinical Applications of Dental Laser systems. Part1. 2009: p49
14	Lai, Chern-Hsiung , Kuo B, Kuo S, and Tseng C: Clinical Applications of Dental Laser systems, Part 2. 2009: p50~p55.