

ศาสตราจารย์ ทันตแพทย์ ดร. ธนภูมิ โอสถานนท์
(Prof.Thanaphum Osathanon, D.D.S., Ph.D.)

คุณวุฒิ

Ph.D. (Oral Biology)	University of Washington, USA	พ.ศ. 2552
ท.บ. (ทันตแพทยศาสตร์)	จุฬาลงกรณ์มหาวิทยาลัย	พ.ศ. 2546

ผลงานทางวิชาการ

งานวิจัย

ก. บทความวิจัยในวารสาร

1. Yaemkleebua K, **Osathanon T**, Nowwarote N, Limjeerajarus CN, Sukarawan W. Analysis of hard tissue regeneration and Wnt signalling in dental pulp tissues after direct pulp capping with different materials. **Int Endod J. 1 November 2019**;52(11):1605-1616. **SCOPUS**
2. Manokawinchoke J, Pavasant P, Sawangmake C, Limjeerajarus N, Limjeerajarus CN, Egusa H, **Osathanon T**. Intermittent compressive force promotes osteogenic differentiation in human periodontal ligament cells by regulating the transforming growth factor- β pathway. **Cell Death Dis. 7 October 2019**;10(10):761. **SCOPUS**
3. Manokawinchoke J, Pavasant P, Sawangmake C, Limjeerajarus N, Limjeerajarus CN, Egusa H, **Osathanon T**. RNA sequencing data of human periodontal ligament cells treated with continuous and intermittent compressive force. **Data in Brief. October 2019**;26:104553. **SCOPUS**
4. Manaspon C, Thaweessapthithak S, **Osathanon T**, Suphapeetiporn K, Porntaveetus T, Shotelersuk V. A novel de novo mutation substantiates KDF1 as a gene causing ectodermal dysplasia. **Br J Dermatol. August 2019**;181(2):419-420. **SCOPUS**
5. Nowwarote N, **Osathanon T**, Kanjana K, Theerapanon T, Porntaveetus T, Shotelersuk V. Decreased osteogenic activity and mineralization of alveolar bone cells from a patient with amelogenesis imperfecta and

FAM83H 1261G>T mutation. **Genes and Diseases. July 2019;**
DOI:10.1016/j.gendis.2019.07.005 **SCOPUS**

6. Suwanwela J, Hansamuit K, Manokawinchoke J, Sa-Ard-lam N, Mahanonda R, Pavasant P, **Osathanon T**. Gene expression profiling of Jagged1-treated human periodontal ligament cells. **Oral Dis. May 2019;25(4):1203-1213. SCOPUS**
7. Charoenpong H, **Osathanon T**, Pavasant P, Limjeerajarus N, Keawprachum B, Limjeerajarus CN, Cheewinthamrongrod V, Palaga T, Lertchirakarn V, Ritprajak P. Mechanical stress induced S100A7 expression in human dental pulp cells to augment osteoclast differentiation. **Oral Dis. April 2019;25(3):812-821. SCOPUS**
8. **Osathanon T**, Manokawinchoke J, Sa-Ard-lam N, Mahanonda R, Pavasant P, Suwanwela J. Jagged1 promotes mineralization in human bone-derived cells. **Arch Oral Biol. March 2019;99:134-140. SCOPUS**
9. Porntaveetus T, Nowwarote N, **Osathanon T**, Theerapanon T, Pavasant P, Boonprakong L, Sanon K, Srisawasdi S, Suphapeetiporn K, Shotelersuk V. Compromised alveolar bone cells in a patient with dentinogenesis imperfecta caused by DSPP mutation. **Clin Oral Investig. January 2019; 23(1):303-313. SCOPUS**
10. Nowwarote N, Sukarawan W, Pavasant P, Foster BL, **Osathanon T**. Basic fibroblast growth factor regulates phosphate/pyrophosphate regulatory genes in stem cells isolated from human exfoliated deciduous teeth. **Stem Cell Res Ther. 10 December 2018;9(1):345. SCOPUS**
11. Nowwarote N, Theerapanon T, **Osathanon T**, Pavasant P, Porntaveetus T, Shotelersuk V. Amelogenesis imperfecta: A novel FAM83H mutation and characteristics of periodontal ligament cells. **Oral Dis. November 2018;24(8):1522-1531. SCOPUS**
12. Nowwarote N, Sukarawan W, Kanjana K, Pavasant P, Fournier BPJ, **Osathanon T**. Interleukin 6 promotes an *in vitro* mineral deposition by stem cells isolated from human exfoliated deciduous teeth. **Royal Society Open Science. 1 October 2018;5(10):180864. SCOPUS**

13. Nowwarote N, Sukarawan W, Pavasant P, Foster BL, **Osathanon T**. Basic fibroblast growth factor regulates phosphate/pyrophosphate regulatory genes in stem cells isolated from human exfoliated deciduous teeth. **Stem Cell Res Ther.** 10 December 2018;9(1):345.
SCOPUS
14. Porntaveetus T, **Osathanon T**, Nowwarote N, Pavasant P, Srichomthong C, Suphapeetiporn K, Shotelersuk V. Dental properties, ultrastructure, and pulp cells associated with a novel DSPP mutation. **Oral Dis.** May 2018;24(4):619-627. **SCOPUS**
15. Nowwarote N, Chanjavanakul P, Kongdechana P, Clayhan P, Chumprasert S, Manokawinchoke J, Egusa H, Pavasant P, **Osathanon T**. Characterization of a bioactive Jagged1-coated polycaprolactone-based membrane for guided tissue regeneration. **Arch Oral Biol.** April 2018;88:24-33. **SCOPUS**
16. Manokawinchoke J, Nattasit P, Thongngam T, Pavasant P, Tompkins KA, Egusa H, **Osathanon T**. RNA sequencing data of Notch ligand treated human dental pulp cells. **Data Brief.** 31 January 2018;17:407-413.
SCOPUS
17. Manokawinchoke J, Pavasant P, **Osathanon T**. Intermittent compressive stress regulates Notch target gene expression via transforming growth factor- β signaling in murine pre-osteoblast cell line. **Arch Oral Biol.** October 2017;82:47-54. **SCOPUS**
18. Suwanwela J, **Osathanon T**. Inflammation related genes are upregulated in surgical margins of advanced stage oral squamous cell carcinoma. **J Oral Biol Craniofac Res.** September - December 2017;7(3):193-197. **SCOPUS**
19. **Osathanon T**, Manokawinchoke J, Egusa H, Pavasant P. Notch signaling is involved in neurogenic commitment of human periodontal ligament-derived mesenchymal stem cells. **J Oral Sci.** September 2017;59(3): 405-413. **SCOPUS**

20. Manokawinchoke J, Nattasit P, Thongngam T, Pavasant P, Tompkins KA, Egusa H, **Osathanon T**. Indirect immobilized Jagged1 suppresses cell cycle progression and induces odonto/osteogenic differentiation in human dental pulp cells. **Sci Rep.** **31 August 2017**;7(1):10124. **SCOPUS**
21. Manokawinchoke J, Sumrejkanchanakij P, Pavasant P, **Osathanon T**. Notch Signaling Participates in TGF- β -Induced SOST Expression Under Intermittent Compressive Stress. **J Cell Physiol.** **August 2017**;232(8): 2221-2230. **SCOPUS**
22. Nowwarote N, **Osathanon T**. Dysregulation of Notch signaling related genes in oral lichen planus. **Asian Pacific Journal of Tropical Biomedicine.** **July 2017**;7(7):666-669 **SCOPUS**
23. Ketkaew Y, **Osathanon T**, Pavasant P, Sooampon S. Apigenin inhibited hypoxia induced stem cell marker expression in a head and neck squamous cell carcinoma cell line. **Arch Oral Biol.** **February 2017**; 74:69-74. **SCOPUS**
24. Manokawinchoke J, Sumrejkanchanakij P, Subbalekha K, Pavasant P, **Osathanon T**. Jagged1 inhibits osteoprotegerin expression by human periodontal ligament cells. **J Periodontal Res.** **December 2016**;51(6): 789-799. **SCOPUS**
25. Sawangmake,C, Nantavisai S, **Osathanon T**, Pavasant P. Osteogenic differentiation potential of canine bone marrow-derived mesenchymal stem cells under different β -glycerophosphate concentrations in vitro. **Thai Journal of Veterinary Medicine.** **December 2016**;46(4):617-625 **SCOPUS**
26. Rattanawarawipa P, Pavasant P, **Osathanon T**, Sukarawan W. Effect of lithium chloride on cell proliferation and osteogenic differentiation in stem cells from human exfoliated deciduous teeth. **Tissue Cell.** **October 2016**;48(5):425-31. **SCOPUS**
27. Manokawinchoke J, **Osathanon T**, Egusa H, Pavasant P. Hypoxia enhances osteogenic differentiation in retinoic acid-treated murine-induced pluripotent stem cells. **Tissue Eng Regen Med.** **20 October 2016**;13(5):547-553. **SCOPUS**

28. **Osathanon T**, Nowwarote N, Pavasant P. Expression and influence of Notch signaling in oral squamous cell carcinoma. **J Oral Sci. June 2016**;58(2):283-94. **SCOPUS**
29. Sukarawan W, Peetiakarawach K, Pavasant P, **Osathanon T**. Effect of Jagged-1 and Dll-1 on osteogenic differentiation by stem cells from human exfoliated deciduous teeth. **Arch Oral Biol. May 2016**;65:1-8. **SCOPUS**
30. Manokawinchoke J, Ritprajak P, **Osathanon T**, Pavasant P. Estradiol induces osteoprotegerin expression by human dental pulp cells. **Odontology. January 2016**;104(1):10-18. **SCOPUS**
31. Chuenjitkuntaworn B, **Osathanon T**, Nowwarote N, Supaphol P, Pavasant P. The efficacy of polycaprolactone/hydroxyapatite scaffold in combination with mesenchymal stem cells for bone tissue engineering. **Journal of Biomedical Materials Research - Part A. 1 January 2016**; 104(1): 264-271 **SCOPUS**
32. **Osathanon T**, Sawangmake C, Ruangchainicom N, Wutikornwipak P, Kantukiti P, Nowwarote N, Pavasant P. Surface properties and early murine pre-osteoblastic cell responses of phosphoric acid modified titanium surface. **J Oral Biol Craniofac Res. January - April 2016**;6(1): 2-9. **SCOPUS**
33. Wang F, Okawa H, Kamano Y, Niibe K, Kayashima H, **Osathanon T**, Pavasant P, Saeki M, Yatani H, Egusa H. Controlled Osteogenic Differentiation of Mouse Mesenchymal Stem Cells by Tetracycline-Controlled Transcriptional Activation of Amelogenin. **PLoS One. 28 December 2015**;10(12):e0145677. **SCOPUS**
34. **Osathanon T**, Nowwarote N, Pavasant P, Sukarawan W. Influence of Jagged1 on apoptosis-related gene expression: a microarray database analysis. **Genes and Genomics. 1 October 2015**;37(10): 837-843 **SCOPUS**

35. Nowwarote N, Sawangmake C, Pavasant P, **Osathanon T**. Review of the role of basic fibroblast growth factor in dental tissue-derived mesenchymal stem cells. **Asian Biomedicine**. 1 June 2015;9(3): 271-283. **SCOPUS**
36. Nowwarote N, Pavasant P, **Osathanon T**. Role of endogenous basic fibroblast growth factor in stem cells isolated from human exfoliated deciduous teeth. **Arch Oral Biol**. March 2015;60(3):408-15. **SCOPUS**
37. Govitvattana N, **Osathanon T**, Toemthong T, Pavasant P. IL-6 regulates stress-induced REX-1 expression via ATP-P2Y1 signalling in stem cells isolated from human exfoliated deciduous teeth. **Arch Oral Biol**. January 2015;60(1):160-6. **SCOPUS**
38. **Osathanon T**, Vivatbutsiri P, Sukarawan W, Sriarj W, Pavasant P, Sooampon S. Cobalt chloride supplementation induces stem-cell marker expression and inhibits osteoblastic differentiation in human periodontal ligament cells. **Arch Oral Biol**. January 2015;60(1):29-36 **SCOPUS**

ตำรา

ไม่มี

หนังสือ

ไม่มี

บทความทางวิชาการ (Review Article)

ไม่มี

ผลงานทางวิชาการในลักษณะอื่นๆ (ตามนิยามที่ ก.พ.อ. กำหนด)

ไม่มี

ผลงานทางวิชาการรับใช้สังคม (ตามนิยามที่ ก.พ.อ. กำหนด)

ไม่มี