Phoonsuk LIMRAKSASIN D.D.S., Ph.D.

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Dr. Phoonsuk is a junior lecturer at the Department of Anatomy, and she has the responsibility of being the Principal Investigator in the Center of Excellence for Regenerative Dentistry and the Principal Investigator in the Center of Dental Stem Cell Biology at the Faculty of Dentistry, Chulalongkorn University.

RESEARCH INTERESTS

- Regenerative dentistry, particularly for induced pluripotent stem cell-based bone regeneration
- Bone and cartilage tissue engineering

EDUCATION

- **2020** : Doctor of Philosophy of Dental Science from Graduate School of Dentistry, Tohoku University
- **2016** : Bachelor of Doctor of Dental Surgery from Faculty of Dentistry, Chulalongkorn University

ACADEMIC AWARDS

- Third Prize Award, Young Investigator Impact Factor Publication Award 2022
- Second Prize Award, Young Investigator Highest Publication Number Award 2022
- Winner, Best Presentation Awards (Researcher Category)
- Winner, President's Award for the Outstanding Ph.D. recipient (the best Ph.D. researcher of the year)
- First Place Winner, 2020 IADR Arthur R. Frechette Award
- Winner, 2019 JADR/GC Young Investigator Award
- First Place Winner, The DAT-Colgate Research Award

SELECTED PUBLICATIONS

1. Kyawsoewin, M., Manokawinchoke, J., Termkwanchareon, C., Egusa, H., Osathanon, T., Limraksasin, P. 2023. Extracellular adenosine triphosphate regulates inflammatory responses of periodontal ligament cells. ***Journal of Periodontology***. 95(3): 281-295.
2. Kyawsoewin, M., Manokawinchoke, J., Namangkalakul, W., Egusa, H., Limraksasin, P., Osathanon, T. 2023. Roles of extracellular adenosine triphosphate on the functions of periodontal ligament cells. ***BDJ Open***. 9(1): 28.
3. Nattasit, P., Niibe, K., Yamada, M., Ohori-Morita, Y., Limraksasin, P., Tiskratok, W., Yamamoto, M., Egusa, H. 2023. Stiffness-Tunable Hydrogel-Sandwich Culture Modulates the YAP-Mediated Mechanoresponse in Induced-Pluripotent Stem Cell Embryoid Bodies and Augments Cardiomyocyte Differentiation. ***Macromolecular Bioscience***. 23(7): e2300021.
4. Limraksasin, P., Nattasit, P., Manokawinchoke, J., Tiskratok, W., Vinaikosol, N., Okawa, H., Limjeerajarus, C.N., Limjeerajarus, N., Pavasant, P., Osathanon, T., Egusa, H. 2022. Application of shear stress for enhanced osteogenic differentiation of mouse induced pluripotent stem cells. ***Scientific Reports***. 12(1): 19021.