

ชื่อ-สกุล: หาทิพย์ สิริ瞻อุดมชัย	Name: Hathaitip Sritanaudomchai
ตำแหน่งทางวิชาการ: รองศาสตราจารย์	Title: Associate Professor
วุฒิการศึกษา: วทบ. (ชีวเคมีและชีวเคมีเทคโนโลยี), วท.ม. (ชีวเคมี), ปร.ด. (ชีวเคมี)	Education: B.Sc. (Biochemistry & Biochemistry Technology), M.Sc. (Biochemistry), Ph.D. (Biochemistry)
ความเชี่ยวชาญ: เซลล์ต้นกำเนิด	Expertise: Stem Cells
โทรศัพท์: -	Phone: -
อีเมลล์: hathaitip.sri@mahidol.ac.th	Email: hathaitip.sri@mahidol.ac.th

### ผลงานทางวิชาการ / Publications

1. Saikhun J, Sritanaudomchai H, Pavasuthipaisit K, Kitayanan Y. Telomerase activity in swamp buffalo (*Bubalusbubalis*) oocytes and embryos derived from in vitro fertilization, somatic cell nuclear transfer and parthenogenetic activation. Reprod in DomestAnim 2004; 39:162-167.
2. Sritanaudomchai H, Kusamran T, Kuakulkiat W, Bunyaphraphatsara N, Hiransalee A, Tepsuwan A, Kusamran WR. Quinone reductase inducers in Azadirachtaindica A. Juss flowers, and their mechanisms of action. Asian Pac J Cancer Prev 2005; 6(3):263-269.
3. Mitalipov S, ClepperL, SritanaudomchaiH, FujimotoA, WolfD. Methylation Status of Imprinting Centers for *H19/IGF2* and *SNURF/SNRPN* in Monkey Embryonic Stem Cells. Stem Cells 2007; 25(3):581-588.
4. Sritanaudomchai H, Pavasuthipaisit K, Kitayanan Y, Kupradinun P, Mitalipov S, Kusamran T. Characterization and Multilineage Differentiation of Embryonic Stem Cells Derived from a Buffalo Parthenogenetic Embryo. MolReprodDev 2007; 74(10):1295-1302.
5. Sparman M, Dighe V, Sritanaudomchai H, Ma H, Ramsey C, Pedersen D, Clepper L, Nighot P, Wolf D, Hennebold J, Mitalipov S. Epigenetic reprogramming by somatic cell nuclear transfer in primates. Stem Cells 2009; 27(6):1255-1264.
6. Tachibana M, Sparman M, Sritanaudomchai H, Ma H, Clepper L, WoodwardJ, Li Y, Ramsey C, Kolotushkina O, Mitalipov S. Mitochondrial Gene Replacement in Primate Offspring and Embryonic Stem Cells. Nature 2009; 461(7262):367-372.
7. Sritanaudomchai H, Sparman M, Tachibana M, Clepper L, Woodward J, Gokhale S, Wolf D, Hennebold J, Hurlbut W, Grompe M and Mitalipov S. *CDX2* in the Formation of the Trophectoderm Lineage in Primate Embryos. Dev Biol. 2009; 335(1):179-187.

8. Sritanaudomchai H, Ma H, ClepperL, Gokhale S, Bogan R, Hennebold J, WolfD and MitalipovS. Discovery of novel imprinted genes by transcriptional analysis of parthenogenetic embryonic stem cells. *Hum Reprod* 2010; 25(8):1927-1941.
9. Jiraritthamrong C, Kheolamai P, U-Pratya Y, Chayosumrit M, Supokawej A, Manochantr S, Tantrawatpan C, Sritanaudomchai H, Issaragrisil S. In vitro vessel-forming capacity of endothelial progenitor cells in high glucose conditions. *Ann Hematol.* 2012; 91(3):311-320.
10. Sudchada S, Kheolamai P, U-Pratya Y, Chayosumrit M, Supokawej A, Manochantr S, Tantrawatpan C, Sritanaudomchai H, Issaragrisil S. CD14-/CD34+ is the founding population of umbilical cord blood-derived endothelial progenitor cells and angiogenin1 is an important factor promoting the colony formation. *Ann Hematol.* 2012; 91(3):321-329.
11. Tachibana M, Ma H, Sparman ML, Lee HS, Ramsey CM, Woodward JS, Sritanaudomchai H, Masterson KR, Wolff EE, Jia Y, Mitalipov SM. X-chromosome inactivation in monkey embryos and pluripotent stem cells. *Dev Biol.* 2012; 371(2):146-155.
12. Tachibana M, Amato P, Sparman M, Gutierrez NM, Tippner-Hedges R, Ma H, Kang E, Fulati A, Lee HS, Sritanaudomchai H, Masterson K, Larson J, Eaton D, Sadler-Fredd K, Battaglia D, Lee D, Wu D, Jensen J, Patton P, Gokhale S, Stouffer RL, Wolf D, Mitalipov S. Human embryonic stem cells derived by somatic cell nuclear transfer. *Cell.* 2013; 153(6):1228-1238.
13. Sritanaudomchai H, Kitayanan Y, Tong-Ngam P, Thonabulsombat C, White KL, Kusamran T. Enhanced chondrogenesis through specific growth factors in a buffalo embryonic stem cell model. *Cell Biol Int.* 2013; 37(11):1246-1258.
14. Kupradinun P, Jaratwisarutporn Y, Wongpoomchai R, Sritanaudomchai H, Rienkitjakarn M. Clastogenic and anticlastogenic potential of neem flower extract evaluated by rat liver micronucleus assay. *Thai J Vet Med.* 2013; 43(4):589-594.
15. Tong-Ngam P, Roytrakul S, Kittisenachai S, Kupradinun P, Sritanaudomchai H. Methanolicneem (*Azadirachtaindica* A. Juss) flower extract inhibits cell proliferation and induces apoptosis in selected human cancer cell lines. *Thai Cancer J* 2014; 34:34-41.
16. Arpornsuwan T, Sriwai W, Jaresithikunchai J, Phaonakrop N, Sritanaudomchai H, Roytrakul S. Anticancer Activities of Antimicrobial BmKn2 Peptides Against Oral and Colon Cancer Cells. *Int J Pept Res Ther* 2014; 20(4):501-509.

17. Tong-ngam P, Roytrakul S, Sritanaudomchai H. BmKn-2 scorpion venom peptide for killing oral cancer cells by apoptotic pathways. APJCP 2015; 16(7):2807-2811.
18. Kongmuang U, Sritanaudomchai H, Morioka I. Potential use of sludge cake from paper mill wastewater treatment as degradable flower pot. Environ Health Prev Med 2016; DOI 10.1007/s12199-016-0523-5.
19. Anantawat Y, Vongsavan K, Sritanaudomchai H, Mitrakul K, Arayapisit T, Kraivaphan P. Evaluation of pluripotency gene in Thai human dental pulp stem cells. NU J Sci Tech 2016; 24(2):13-23.
20. Seubruk, S. Sritanaudomchai, H. Kasetsuwan, J. Surarit, R. High glucose promotes the osteogenic differentiation capability of human periodontal ligament fibroblasts. Molecular Medicine Reports, 2017.
21. Phruksaniyom, C. Gonmanee, T. Vongsavan, K. Arayapisit, T. Kraivaphan, P. Sritanaudomchai, H. Effect of culture conditions on colony-forming ability of stem cells from human exfoliated deciduous teeth. Journal of Stem Cells, 2017.
22. Arpornsawan, T. Sriwai, W. Sritanaudomchai, H. Roytrakul, S. Using oral and colon cancer cells for studying the anticancer properties of antimicrobial peptides. Methods in Molecular Biology, 2017.
23. Wongwatanasanti, N. Jantarat, J. Sritanaudomchai, H. Hargreaves, K.M. Effect of Bioceramic Materials on Proliferation and Odontoblast Differentiation of Human Stem Cells from the Apical Papilla. Journal of Endodontics, 2018.
24. Gonmanee, T. Thonabulsombat, C. Vongsavan, K. Sritanaudomchai, H. Differentiation of stem cells from human deciduous and permanent teeth into spiral ganglion neuron-like cells. Archives of Oral Biology, 2018.
25. Tangjit, N. Dechkunakorn, S. Anuwongnukroh, N. Khaneungthong, A. Sritanaudomchai, H. Optimal Xeno-free culture condition for clinical grade stem cells from human exfoliated deciduous teeth. International Journal of Stem Cells, 2018.
26. Gonmanee, T. Sritanaudomchai, H. Vongsavan, K. Faisaikarm, T. Songsaad, A. White, K.L. Thonabulsombat, C. Neuronal differentiation of dental pulp stem cells from human permanent and deciduous teeth following coculture with rat auditory brainstem slices. Anatomical Record, 2020.
27. Jitpibull, J. Vongsetskul, T. Sritanaudomchai, H. Tangjit, N. Surface-functionalized Electrospun Polycaprolactone Fiber for Culturing Stem Cell from Human Exfoliated Deciduous Teeth Culture. Fibers and Polymers, 2020.
28. Horsophonphong, S. Kitkumthorn, N. Sritanaudomchai, H. Nakornchai, S. Surarit, R. High glucose affects proliferation, reactive oxygen species and mineralization of human dental pulp cells. Brazilian Dental Journal, 2020.

29. Kunwong, N. Tangjit, N. Rattanapinyopituk, K. Dechkunakorn, S. Anuwongnukroh, N. Arayapisit, T. Sritanaudomchai, H. Optimization of poly (lactic-co-glycolic acid)-bioactive glass composite scaffold for bone tissue engineering using stem cells from human exfoliated deciduous teeth. *Archives of Oral Biology*, 2021.
30. Jitpibull, J. Tangjit, N. Dechkunakorn, S. Anuwongnukroh, N. Srikririn, T. Vongsetskul, T. Sritanaudomchai, H. Effect of surface chemistry-modified polycaprolactone scaffolds on osteogenic differentiation of stem cells from human exfoliated deciduous teeth. *European Journal of Oral Sciences*, 2021.
31. Chawewannakorn, C. Santiwong, P. Surarit, R. Sritanaudomchai, H. Chintavalakorn, R. The effect of LED photobiomodulation on the proliferation and osteoblastic differentiation of periodontal ligament stem cells: in vitro. *Journal of the World Federation of Orthodontists*, 2021.