

Curriculum Vitae



1. PERSONAL DATA

Name : Ruttachuk Rungsiwiwut

Nationality : Thai

ORCID : 0000-0002-1448-2309

Current Position : Lecturer

Qualifications : Doctor of Veterinary Medicine (DVM)
Doctor of Philosophy in Theriogenology (PhD)

Field of specialization : Stem Cell Biology, Assisted Reproductive Technology

Office : Department of Anatomy, Faculty of Medicine
Srinakharinwirot University
114 Sukhumvit 23 Bangkok 10110
Thailand

Fax : +66 2260 1532

email : ruttachuk@g.swu.ac.th, ruttachuk@swu.ac.th

2. CURRENT RESEARCHS AND PAST RELATED RESEARCHS:

- Stem cells for regenerative medicine and cellular agriculture
- Modelling of human embryo development by using human pluripotent stem cells
- Development of molecular technology for detection of chromosome abnormality in human embryo spent culture media
- Derivation and culture of human and animal pluripotent stem cells

3. SELECTED PUBLICATIONS:

Nguyen HT, Theerakittayakorn K, Somredngan S, Ngernsoungnern A, Ngernsoungnern P, Sritangos P, Ketudat-Cairns M, Imsoonthornruksa S, Assawachananont J, Keeratibharat N, Wongsan R, **Rungsiwiwut R**, Laowtammathron C, Bui NX, Parnpai R. Signaling Pathways Impact on Induction of Corneal Epithelial-like Cells Derived from Human Wharton's Jelly Mesenchymal Stem Cells. *Int J Mol Sci.* 2022;23(6):3078.

Horcharoensuk P, Yang-En S, Narkwicheckan A, **Rungsiwiwut R**. Proline-based solution maintains cell viability and stemness of canine adipose-derived mesenchymal stem cells after hypothermic storage. *PLoS One* 2022;17(3):e0264773

Chakritbudsabong W, Sariya L, Jantahiran P, Chaisilp N, Chaiwattananrungruengpaian S, **Rungsiwiwut R**, Ferreira JN, Rungarunlert S. Generation of Porcine Induced Neural Stem Cells Using the Sendai Virus. *Front Vet Sci* 2022;8:806785.

Rungsiwiwut R, Virutamasen P, Pruksananonda K. Mesenchymal stem cells for restoring

- endometrial function: An infertility perspective. *Reprod Med Biol* 2021;20(1):13-9.
- Saipin N, Semsirboon S, **Rungsiwiwut R**, Thammacharoen S. High ambient temperature directly decreases milk synthesis in the mammary gland in Saanen goats. *J Therm Biol* 2020;94:102783.
- Saipin N, Thuwanut P, Thammacharoen S, **Rungsiwiwut R**. Effect of incubation temperature on lactogenic function of goat milk-derived mammary epithelial cells. *In Vitro Cell Dev Biol Anim* 2020;56(10):842-846.
- Pavarajarn W, **Rungsiwiwut R**, Numchaisrika P, Virutamasen P, Pruksananonda K. Human Caesarean scar-derived feeder cells: a novel feeder cell type for culturing human pluripotent stem cells without exogenous basic fibroblast growth factor supplementation. *ReprodFertil Dev* 2020;32(9):822-834.
- Tongkobetch S, **Rungsiwiwut R**, Pruksananonda K, Suphapeetiporn K, Shotelersuk V. Generation of two human iPSC lines (MDCUi001-A and MDCUi001-B) from dermal fibroblasts of a Thai patient with X-linked osteogenesis imperfecta using integration-free Sendai virus. *Stem Cell Res* 2019;39:101493.

BOOK CHAPTER

- Horcharoensuk P, Yang-en S, **Rungsiwiwut R**. (2022) Organoids in the Human Reproductive System. In: Yahaya B.H. (eds) *Organoid Technology for Disease Modelling and Personalized Treatment*. *Stem Cell Biology and Regenerative Medicine*, vol 71. Humana, Cham.
- Pruksananonda K, **Rungsiwiwut R**. (2016) Moving toward xeno-free culture of human pluripotent stem cells. In: Tomizawa M. (eds) *Pluripotent stem cells-From the Bench to the Clinic*. IntechOpen, London.

4. ACHIEVEMENTS

- Patents/ Copyrights : **Petty patent:** Proline-based solution for hypothermic storage of stem cells (Number: 2103001788)
- International Grants : ASEM-DUO Belgium/Wallonia-Brussels (2018)
- Marie Curie Industry Academics Partnerships and Pathways (IAPP) FP7 (2008-2012)