



Asst.Prof.Dr. JARUWAN POLJAROEN (Ph.D.)

- +(+66) 91-915-6566
- jaruwan.pol@mahidol.edu
- www.na.mahidol.ac.th
- Mahidol University, Nakon Sawan Campus 402/1 Moo 5, Kaothong Phayahakiri Nakon Sawan, 60130

EDUCATION

2017: Doctor of Philosophy
(Anatomy),
Mahidol University

2013: Master of Anatomy
(Anatomy),
Chiang Mai University

2010: Bachelor of Medical Science
(Radiologic Technology)
Chiang Mai University

EXPERTISE

- Morphological and biochemical alteration of germ cells during development in crustacean
- Hormonal regulation of growth and reproductive development in decapod crustacean
- Hormonal control for feeding and reproduction of neuropeptide in decapod crustacean
- Stem cell in endometrium

Experience

2011 - Present Lecturer Mahidol University Nakhonsawan Campus

Publication

Tinikul, Y., Tinikul, R., **Poljaroen, J.**, Sobhon, P., 2022. Differential expression of neuropeptide F during embryogenesis, and its promoting effect on embryonic development of the freshwater prawn, *Macrobrachium rosenbergii* Aquaculture 555, art. no. 738260 IF=5.135 (JCR 2021)

Sroyraya, M., Songkoomkrong, S., Changklungmoa, N., **Poljaroen, J.**, Weerakiet, S., Sophonsitsuk, A., Wongkularb, A., Lertvikool, S., Tingthanatikul, Y., Sobhon, P., 2018. Differential expressions of estrogen and progesterone receptors in endometria and cyst walls of ovarian endometrioma from women with endometriosis and their responses to depo-medroxyprogesterone acetate treatment. Molecular and Cellular Probes. 40: 27-36 IF=2.365 (JCR 2021)

Poljaroen, J., Tinikul, R., Anuracpreeda, P., Sobhon, P., Tinikul, Y., 2018. The expression and distribution of a leptin receptor in the central nervous system, digestive organs, and gonads of the giant freshwater prawn, *Macrobrachium rosenbergii*. Acta Histochemica 120(4):373-384 IF=2.147 (JCR 2021)

Nobsathian, S., Tuchinda, P., Sobhon, P., Tinikul, Y., **Poljaroen, J.**, Tinikul, R., Sroyraya, M., Poomton, T., Chaichotranunt, S., 2017. An antioxidant activity of the whole body of *Holothuria scabra*. Chemical and Biological Technologies in Agriculture 4(1),4 IF=4.839 (JCR 2021)

Poljaroen, J., Tinikul, Y., Tinikul, R., Anuracpreeda, P., Sobhon, P., 2017. Leptin-like immunoreactivity in the central nervous system, digestive organs, and gonads of the giant freshwater prawn, *Macrobrachium rosenbergii*. Acta Histochemica 119(5): 569-581 IF=2.147 (JCR 2021)

Tingthanatikul, Y., Tawarasumida, Y., Lertvikool, S., Wongkularb, A., Sophonsitsuk, A., Weerakiet, S., Sroyraya, M., Chansela, P., Changklungmoa, N., Songkoomkrong, S., **Poljaroen, J.**, Sobhon, P., 2016. DMPA suppresses cell proliferation and enhances cell apoptosis of eutopic endometrium in women with endometriosis: A randomized controlled study Journal of the Medical Association of Thailand 99: 751-756 IF=0.094

Tinikul, Y., **Poljaroen, J.**, Tinikul, R., Sobhon, P., 2016. Changes in the levels, expression, and possible roles of serotonin and dopamine during embryonic development in the giant freshwater prawn, *Macrobrachium rosenbergii* General and Comparative Endocrinology 225: 71-80 IF=3.255 (JCR 2021)

Siangcham, T., Chansela, P., Hayasaka, T., Masaki, N., Sroyraya, M., **Poljaroen, J.**, Suwansa-ard, S., Engsusophon, A., Hanna, P.J., Sobhon, P., Setou, M., 2015. Changes of phosphatidylcholine and fatty acids in germ cells during testicular maturation in three developmental male morphotypes of *Macrobrachium rosenbergii* revealed by imaging mass spectrometry PLoS ONE Article number e0120412 open access IF=3.752 (JCR 2021)

Tinikul, Y., **Poljaroen, J.**, Tinikul, R., Chotwiwatthanakun, C., Anuracpreeda, P., Hanna, P.J., Sobhon, P., 2015. Alterations in the levels and distribution of octopamine in the central nervous system and ovary of the Pacific white shrimp, *Litopenaeus vannamei*, and its possible role in ovarian development General and Comparative Endocrinology 210: 12-22. IF=3.255 (JCR 2021)

Tinikul, Y., **Poljaroen, J.**, Tinikul, R., Anuracpreeda, P., Chotwiwatthanakun, C., Senin, N., Poomtong, T., Hanna, P.J., Sobhon, P., 2014. Effects of gonadotropin-releasing hormones and dopamine on ovarian maturation in the Pacific white shrimp, *Litopenaeus vannamei*, and their presence in the ovary during ovarian development Aquaculture 15: 79-88 IF=5.135 (JCR 2021)

Anuracpreeda, P., Srirakam, T., Pandonlan, S., Changklungmoa, N., Chotwiwatthanakun, C., Tinikul, Y., **Poljaroen, J.**, Meemon, K., Sobhon, P., 2014. Production and characterization of a monoclonal antibody against recombinant cathepsin L1 of *Fasciola gigantica* Acta Tropica 136:1-9. IF= 3.222 (JCR 2021)



Publication

Siangcham T., Tinikul Y., **Poljaroen J.**, Sroyraya M., Changklungmoa N., Phoungpetchara I., Rakkoun W., Sumpownon C., Wanichanon C., Hanna P.J., Sobhon P., 2013. The effects of serotonin, dopamine, gonadotropin-releasing hormones, and corazonin, on the androgenic gland of the giant freshwater prawn, *Macrobrachium rosenbergii*. General and Comparative Endocrinology. General and Comparative Endocrinology 193: 10-18. IF=3.255 (JCR 2021)

Anuracpreeda, P., **Poljaroen, J.**, Chotwiwatthanakun, C., Tinikul, Y., Sobhon, P., 2013. Diagnosis of *Fasciola gigantica* infection using a monoclonal antibody-based sandwich ELISA for detection of circulating cathepsin B3 protease. Acta Tropica 127: 38-45. IF= 3.222 (JCR 2021)

Anuracpreeda, P., **Poljaroen, J.**, Chotwiwatthanakun, C., Tinikul, Y., Sobhon, P., 2013. Antigenic components, isolation and partial characterization of excretion-secretion fraction of *Paramphistomum cervi*. Experimental Parasitology 133: 327-333. IF=2.132 (JCR 2021)

Siangcham, T., Tinikul, Y., **Poljaroen, J.**, Sroyraya, M., Changklungmoa, N., Phoungpetchara, I., Rakkoun, W., Sumpownon, C., Wanichanon, C., Hanna, P.J., Sobhon, P., 2013. The effects of serotonin, dopamine, gonadotropin-releasing hormones, and corazonin, on the androgenic gland of the giant freshwater prawn, *Macrobrachium rosenbergii*. General and Comparative Endocrinology 193: 10-18 IF=3.255 (JCR 2021)

Phoungpetchara, I., Tinikul, Y., **Poljaroen, J.**, Changklungmao, N., Siangcham, T., Sroyraya, M., Chotwiwatthanakun, C., Vanichviriyakit, R., Hanna, P. J., Sobhon P., 2012. Expression of the male reproduction-related gene (Mar-Mrr) in the spermatic duct of the giant freshwater prawn, *Macrobrachium rosenbergii*. Cell and Tissue Research 348: 609-623 (DOI: 10.1007/s00441-012-1380-1). IF= 5.249 (JCR 2021)

Anuracpreeda, P., Panyarachun, B., Ngamniyom, A., Tinikul, Y., Chotwiwatthanakun, C., **Poljaroen, J.**, Sobhon, P., 2012. Fischoederius cobbaldi: A scanning electron microscopy investigation of surface morphology of adult rumen fluke. Experimental Parasitology 130: 400-407. IF=2.132 (JCR 2021)

Poljaroen J., Tinikul Y., Phoungpetchara I., Rakkoun W., Suwansa-ard S., Meeratana P., Cummins S., Hanna P.J., Sobhon P., 2011. The effects of biogenic amines, gonadotropin-releasing hormones and corazonin on spermatogenesis in the giant freshwater prawn, *Macrobrachium rosenbergii* (De Man, 1879). Aquaculture 321: 121-129. IF=5.135 (JCR 2021)

Tinikul Y., **Poljaroen J.**, Nuurai P., Anuracpreeda P., Chotwiwatthanakun C., Phoungpetchara, I., Kornthong, N., Poomtong, T., Hanna P., Sobhon, P., 2011. Existence and distribution of gonadotropin-releasing hormone-like peptides in the central nervous system and ovary in the Pacific white shrimp, *Litopenaeus vannamei*. Cell and Tissue Research 343: 579-593. IF= 5.249 (JCR 2021)

Tinikul, Y., **Poljaroen, J.**, Kornthong, N., Chotwiwatthanakun, C., Anuracpreeda, P., Poomtong, T., Hanna, P.J., Sobhon, P., 2011. Distribution and changes of serotonin and dopamine levels in the central nervous system and ovary of the Pacific white shrimp, *Litopenaeus vannamei*, during ovarian maturation cycle. Cell and Tissue Research 345: 103-124. IF= 5.249 (JCR 2021)

Phoungpetchara I., Tinikul Y., **Poljaroen J.**, Chotwiwatthanakun C., Vanichviriyakit R., Sroyraya M., Hanna P.J., Sobhon P., 2011. Cells producing insulin-like androgenic gland hormone of the giant freshwater prawn, *Macrobrachium rosenbergii* proliferate following bilateral eyestalk-ablation. Tissue and Cell 43: 165-177. IF= 2.586 (JCR 2021)

Poljaroen J., Vanichviriyakit R., Tinikul Y., Phoungpetchara I., Linthong V., Weerachatyanukul W., Sobhon P., 2010. Spermatogenesis and distinctive mature sperm in the giant freshwater prawn, *Macrobrachium rosenbergii* (De Man, 1879). Zoologischer Anzeiger 249: 81-94. IF= 1.581 (JCR 2021)

Nuurai P., **Poljaroen J.**, Tinikul Y., Cummins S., Sretarugsa P., Hanna P., Wanichanon C., Sobhon P., 2010. The existence of gonadotropin-releasing hormone-like peptides in the neural ganglia and ovary of the abalone, *Haliotis asinina* L. Acta Histochemica 112: 38-47. IF=2.147 (JCR 2021)

Tinikul Y., Soonthornsumrith B., Phoungpetchara I., **Poljaroen J.**, Meeratana P., Duangsawan P., Soonthornlang N., Mercier AJ., Sobhon P., 2009. Effects of serotonin, dopamine, octopamine, and spiperone on ovarian maturation and embryonic development in the giant freshwater prawn, *Macrobrachium rosenbergii* (De Man, 1879). Crustaceana 82: 1007-1022. IF= 0.758 (JCR 2021)

Duangsuwan P., Phoungpetchara I., Tinikul Y., **Poljaroen J.**, Wanichanon C., Sobhon P., 2008. Histological and three dimensional organizations of lymphoid tubules in normal lymphoid organ of *Penaeus monodon*. Fish and Shellfish Immunology 24: 426-435. IF= 4.622 (JCR 2021)

Khunamornpong S., Siriaunkul S., Manusirivithaya S., Settakorn J., Srisomboon J., **Poljaroen J.**, Thorner PS., 2008. Prognostic value of p53 expression in early stage cervical carcinoma treated by surgery. Asian Pacific Journal of Cancer Prevention 9: 48-52. IF= 2.514 (JCR 2021)

EDUCATION

2017: Doctor of Philosophy
(Anatomy),
Mahidol University

2013: Master of Anatomy
(Anatomy),
Chiang Mai University

2010: Bachelor of Medical Science
(Radiologic Technology)
Chiang Mai University

EXPERTISE

- Morphological and biochemical alteration of germ cells during development in crustacean
- Hormonal regulation of growth and reproductive development in decapod crustacean
- Hormonal control for feeding and reproduction of neuropeptide in decapod crustacean
- Stem cell in endometrium