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Veerachai Thitapakorn, Ph.D.

Contact address:
Chulabhorn International College of Medicine,
Thammasat University, Rangsit Campus,
99 Moo 18 Phaholyothin Road,
Klong Luang, PathumThani, 12120, Thailand
Telephone: 662-564-4441 ext. 4478
Email: veur@tu.ac.th, veecicm@gmail.com, veebkk@gmail.com

Education:

1994 - 1998	B.Sc. (Medical Technology), Mahidol University, Thailand
1998 - 2004	Ph.D. (Biology), Mahidol University, Thailand

Academic profile:

2005 - 2010	Lecturer, Thammasat University, Thailand
2010 - 2022	Assistant Professor, Thammasat University, Thailand
2022 - Present	Associate Professor, Thammasat University, Thailand

Professional experience:

2008 - 2010	Human Ethics Committee, Thammasat University, Thailand
2010 - 2016	Faculty Senate Committee, Thammasat University, Thailand
2010 - 2019	Institutional Biosafety Committee (IBC), Thammasat University, Thailand
2010 - 2019	Institutional Animal Care and Use Committee (IACUC), Thammasat University, Thailand
2019 – Present	Biosafety Control Committee, Chulabhorn International College of Medicine (BCC-CICM), Thammasat University, Thailand
2019 – Present	Institutional Biosafety Committee, Suranaree University of Technology, Thailand

Research interests:

1. Molecular cloning and characterization of antigen encoding genes from human and animal parasites for diagnosis, vaccine, and treatment approaches.
2. Application of multi-omic technology for early detection and therapeutic approaches of *Opisthorchis viverrini* and *Opisthorchis viverrini* induced cholangiocarcinoma
3. Application of phage display antibody technology for development of diagnosis and therapy for *Opisthorchis viverrini* and *Opisthorchis viverrini* induced cholangiocarcinoma

Publications:

1. **Eursitthichai V**, Viyanant V, Vichasri-Grams S, Sobhon P, Tesana S, Upatham S, Hofmann A, Korge G, Grams R. Molecular cloning and characterization of a glutathione S-transferase encoding gene from *Opisthorchis viverrini*. Asian Pacific Journal of Allergy and Immunology. 2004; 22: 219-28.
2. Grams R, Adisakwattana P, Ritthisunthorn N, **Eursitthichai V**, Vichasri-Grams S, Viyanant V. The saposin-like proteins 1, 2, and 3 of *Fasciola gigantica*. Molecular and Biochemical of Parasitology. 2006; 148(2): 133-43.
3. **Eursitthichai V**, Viyanant V, Tesana S, Sithithaworn P, Kosa N, Grams R. *Opisthorchis viverrini*: evaluation of 28 kDa glutathione S-transferase as diagnostic tool in human opisthorchiasis. Acta Tropica. 2010; 114(2): 76-80.
4. Kaset C, **Eursitthichai V**, Vicharsri-Grams S, Viyanant V, Grams R. Rapid identification of lymnaeid snails and their infection with *Fasciola gigantica* in Thailand. Experimental Parasitology. 2010; 126(4): 482-8.
5. Khampoosa P, Jones MK, Lovas EM, Srisawangwong T, Laha T, Piratae S, Thammasiri C, Suwannatrai A, Sripanidkulchai B, **Eursitthichai V**, Tesana S. Light and electron microscopy observations of embryogenesis and egg development in the human liver fluke, *Opisthorchis viverrini* (Platyhelminthes, Digenea). Parasitol Res. 2012; 110(2): 799-808.
6. Piratae S, Tesana S, Jones MK, Brindley PJ, Loukas A, Lovas E, **Eursitthichai V**, Sripa B, Thanasuwan S, Laha T. Molecular Characterization of a Tetraspanin from the Human Liver Fluke, *Opisthorchis viverrini*. PLoS Negl Trop Dis. 2012; 6(12): e1939.
7. Plengsuriyakarn T, Viyanant V, **Eursitthichai V**, Tesana S, Chaijaroenkul W, Itharat A, Na-Bangchang K. Cytotoxicity, toxicity, and anticancer activity of *Zingiber officinale* Roscoe against cholangiocarcinoma. Asian Pac J Cancer Prev. 2012; 13(9): 4597-606.

8. Plengsuriyakarn T, **Eursitthichai V**, Labbunruang N, Na-Bangchang K, Tesana S, Aumarm W, Pongpradit A, Viyanant V. Ultrasonography as a tool for monitoring the development and progression of cholangiocarcinoma in *Opisthorchis viverrini*/ dimethylnitrosamine-induced hamsters. Asian Pac J Cancer Prev. 2012; 13(1): 87-90.
9. Plengsuriyakarn T, Viyanant V, **Eursitthichai V**, Picha P, Kupradinun P, Itharat A, Na-Bangchang K. Anticancer activities against cholangiocarcinoma, toxicity and pharmacological activities of Thai medicinal plants in animal models. BMC Complement Altern Med. 2012; 12: 23.
10. Plengsuriyakarn T, Viyanant V, **Eursitthichai V**, Itharat A, Na-Bangchang K. In vitro investigations on the potential roles of Thai medicinal plants in treatment of cholangiocarcinoma International Research Journal of Pharmacy and Pharmacology. 2012; 2(3): 052-063.
11. Dumre SP, Shakya G, Na-Bangchang K, **Eursitthichai V**, Rudi Grams H, Upreti SR, Ghimire P, KC K, Nisalak A, Gibbons RV, Fernandez S. Dengue virus and Japanese encephalitis virus epidemiological shifts in Nepal: a case of opposing trends. Am J Trop Med Hyg. 2013; 88(4): 677-80.
12. Plengsuriyakarn T, **Thitapakorn V**, Na-Bangchang K, Karbwang J. Thai medicinal plants: Potential sources of anti- cholangiocarcinoma drugs. International Journal of Pharmacy and Pharmacology. 2013; 2(5): 068-082.
13. **Thitapakorn V**. Biosafety guidelines. Thammasat Journal of Science and Technology. 2014; 22(3): 381-397 (Review article in Thai).
14. Kotawong K, **Thitapakorn V**, Roytrakul S, Phaonakrop N, Viyanant V, Na-Bangchang K. Plasma phosphoproteome and differential plasma phosphoproteins with *Opisthorchis viverrini*-related cholangiocarcinoma. Asian Pac J Cancer Prev. 2015; 16(3): 1011-8.
15. Kotawong K, **Thitapakorn V**, Roytrakul S, Phaonakrop N, Viyanant V, Na-Bangchang K. Plasma Peptidome as a Source of Biomarkers for Diagnosis of Cholangiocarcinoma. Asian Pac J Cancer Prev. 2016; 17(3): 1163-8.
16. Khampoosa P, Jones MK, Lovas EM, Piratae S, Kulsuntiwong J, Prasopdee S, Srisawangwong T, Laha T, Sripanidkulchai B, **Thitapakorn V**, Tesana S. Egg-Hatching Mechanism of Human Liver Fluke, *Opisthorchis viverrini*: A Role For Leucine Aminopeptidases From the Snail Host, *Bithynia siamensis goniomphalos*. J Parasitol. 2018; 104(4): 388-397.
17. Pabalan N, Sukcharoensin S, Butthongkomvong K, Jarjanazi H, **Thitapakorn V**. Expression and Serum Levels of Mucin 5AC (MUC5AC) as a Biomarker for Cholangiocarcinoma: a Meta-analysis. J Gastrointest Cancer. 2019; 50(1): 54-61.
18. Prasopdee S, **Thitapakorn V**, Sathavornmanee T, Tesana S. A comprehensive review of omics and host-parasite interplays studies, towards control of *Opisthorchis viverrini* infection for prevention of cholangiocarcinoma. Acta Trop. 2019; 196: 76-82.

19. Prasopdee S, Kulsantiwong J, Sathavornmanee T, **Thitapakorn V**. The effects of temperature and salinity on the longevity of *Opisthorchis viverrini* cercariae: a climate change concern. J Helminthol. 2020 Jun 23;94:e165.
20. Sopitthummakhun K, Rattanasinganchan P, Nimmanee P, Paungmoung P, Moonthiya P and **Thitapakorn V**. Antioxidant capacity, antibacterial activity and cell cytotoxicity in Cholangiocarcinoma (CCA) from Boesenbergia rotunda (L.) Mansf. Asia Pac. J. Sci. Tech. 2021 Jun 4;26(2): doi: https://doi.org/10.14456/apst.2021.16.
21. Phanaksri T, Yingchutrakul Y, Roytrakul S, Prasopdee S, Kunjantarachot A, Butthongkomvong K, Tesana S, Sathavornmanee T, **Thitapakorn V**. Plasma checkpoint protein 1 (Chk1) as a potential diagnostic biomarker for opisthorchiasis and cholangiocarcinoma. Cancer Biomarker. 2022;33(1):43-55. doi: 10.3233/CBM-210170. PMID: 34366327.
22. Prasopdee S, Yingchutrakul Y, Roytrakul S, Pholhelm M, Phanaksri T, Kunjantarachot A, Kulsantiwong J, Butthongkomvong K, Tesana S, Sathavornmanee T, **Thitapakorn V**. Phosphatidylinositol 4,5-bisphosphate 3-kinase catalytic subunit beta as a potential biomarker for *Opisthorchis viverrini* infection and cholangiocarcinoma. Parasitology. 2022 Feb;149(2):171-180. doi: 10.1017/S0031182021001694. Epub 2021 Oct 5. PMID: 35234600.
23. Santadkha T, Skolpap W, **Thitapakorn V**. Diffusion Modeling and In Vitro Release Kinetics Studies of Curcumin-Loaded Superparamagnetic Nanomicelles in Cancer Drug Delivery System. J Pharm Sci. 2022 Jun;111(6):1690-1699. doi: 10.1016/j.xphs.2021.11.015. Epub 2021 Nov 25. PMID: 34838781.
24. Kulsantiwong J, **Thitapakorn V**, Sathavornmanee T, Yusuk S, Pitaksakulrat O, Tesana S, Prasopdee S. Susceptibility patterns of *Bithynia siamensis siamensis* and *Bithynia funiculata* to *Opisthorchis viverrini* infection: an indication of the risk of opisthorchiasis transmission in non-endemic areas. Parasitol Res. 2022 Dec;121(12):3495-3501. doi: 10.1007/s00436-022-07672-8. Epub 2022 Sep 21. PMID: 36129578.
25. Koontanatechanon A, Wongphatcharachai M, Nonthabenjawan N, Jariyahatthakij P, Leksrisompong P, Srichana P, Prasopdee S, Roytrakul S, Sriyakul K, **Thitapakorn V**, Pawa KK. The Effects of Increasing Dietary Fat on Serum Lipid Profile and Modification of Gut Microbiome in C57BL/6N Mice. J Oleo Sci. 2022;71(7):1039-1049. doi: 10.5650/jos.ess22009. PMID: 35781256.
26. Prasopdee S, Yingchutrakul Y, Krobthong S, Pholhelm M, Wongtrakoongate P, Butthongkomvong K, Kulsantiwong J, Phanaksri T, Kunjantarachot A, Sathavornmanee T, Tesana S, **Thitapakorn V**. Differential plasma proteomes of the patients with Opisthorchiasis viverrini and cholangiocarcinoma identify a polymeric immunoglobulin receptor as a potential biomarker. Heliyon. 2022 Oct 7;8(10):e10965. doi: 10.1016/j.heliyon.2022.e10965. PMID: 36247154; PMCID: PMC9562451.

27. Koontanatechanon N, Wongphatcharachai M, Nonthabenjawan N,Jariyahatthakij P, Khorporn T,Parnsen W,Keattisin B,Leksrisompong P,Srichana P,Prasopdee S, Roytrakul S, Sriyakul K, **Thitapakorn V** and Pawa KK. Effects of Omega-3-Rich Pork Lard on Serum Lipid Profile and Gut Microbiome in C57BL/6NJ Mice. Inter Nat Food Sci. 2022 doi: 10.1155/2022/9269968.
28. Prasopdee S, Rojthongpond T, Chitkoolsamphan Y, Pholhelm M, Yusuk S, Pattaraarchachai J, Butthongkomvong K, Kulsantiwong J, Phanaksri T, Kunjantarachot A, Tesana S, Sathavornmanee T, **Thitapakorn V**. Update on the risk factors for opisthorchiasis and cholangiocarcinoma in Thailand. Parasites Hosts Dis. 2023 Nov;61(4):463-470. doi: 10.3347/PHD.23032. Epub 2023 Nov 28. PMID: 38043542; PMCID: PMC10693972.
29. Prasopdee S, Pholhelm M, Yusuk S, Tangphatsornruang S, Butthongkomvong K, Kunjantarachot A, Phanaksri T, Kulsantiwong J, Tesana S, **Thitapakorn V**. Investigation of Plasma Cell-Free DNA and MiRNA in Cholangiocarcinoma and Opisthorchiasis Viverrini Patients. Asian Pac J Cancer Prev. 2024 Mar 1;25(3):739-746. doi: 10.31557/APJCP.2024.25.3.739. PMID: 38546056; PMCID: PMC11152403.
30. Supradit K, Wongprasert K, Tangphatsornruang S, Yoocha T, Sonthirod C, Pootakham W, **Thitapakorn V**, Butthongkomvong K, Phanaksri T, Kunjantarachot A, Klongprateeppon H, Sattavacharavech P, Prasopdee S. microRNA profiling of exosomes derived from plasma and their potential as biomarkers for *Opisthorchis viverrini*-associated cholangiocarcinoma. Acta Trop. 2024 Oct;258:107362. doi: 10.1016/j.actatropica.2024.107362. Epub 2024 Aug 14. PMID: 39151716.
31. **Thitapakorn V**, Phanaksri T, Yusuk S, Pholhelm M, Pitaksakulrat O, Kulsantiwong J, Sathavornmanee T, Kunjantarachot A, Rojthongpond T, Chitkoolsamphan Y, Prasopdee S. Unveiling the Transmission Potential of *Opisthorchis viverrini* and Intestinal Helminths Along the Thailand-Laos Border in Thailand. Zoonoses Public Health. 2024 Dec;71(8):942-954. doi: 10.1111/zph.13177. Epub 2024 Aug 19. PMID: 39160695.
32. Supradit K, Prasopdee S, Phanaksri T, Tangphatsornruang S, Pholhelm M, Yusuk S, Butthongkomvong K, Wongprasert K, Kulsantiwong J, Chukan A, Tesana S, **Thitapakorn V**. Differential circulating miRNA profiles identified miR-423-5p, miR-93-5p, and miR-4532 as potential biomarkers for cholangiocarcinoma diagnosis. PeerJ. 2024 Dec 10;12:e18367. doi: 10.7717/peerj.18367. PMID: 39677943; PMCID: PMC11639864.
33. Prasopdee S, Tongsima S, Pholhelm M, Yusuk S, Tangphatsornruang S, Butthongkomvong K, Phanaksri T, Kunjantarachot A, Kulsantiwong J, Tesana S, Sathavornmanee T, **Thitapakorn V**. Biomarker potential of plasma cell-free DNA for cholangiocarcinoma. Heliyon. 2024 Dec 6;10(24):e41008. doi: 10.1016/j.heliyon.2024.e41008. PMID: 39735621; PMCID: PMC11681853.

34. Yotsomnuk P, Skolpap W, Thitapakorn V. Release dynamics and toxicological analysis of astilbin from lauric acid/BSA-coated superparamagnetic iron oxide nanoparticles. Colloids Surf B Biointerfaces. 2025 Apr 1;252:114620. doi: 10.1016/j.colsurfb.2025.114620. Epub ahead of print. PMID: 40215640.

Presentations

Oral presentations

1. **Eursitthichai V**, Viyanant V, Vichasri-Grams S, Sobhon P, Tesana S, Upatham S, Hofmann A, Korge G, Grams R. Joint International Tropical Medicine Meeting (2001). Molecular cloning of antigen-encoding gene from *Opisthorchis viverrini*.
2. **Eursitthichai V**, Viyanant V, Vichasri-Grams S, Sobhon P, Tesana S, Upatham S, Hofmann, A., Korge, G., Grams, R. Royal Golden Jubilee Congress (2001). Molecular cloning of protein-encoding gene from Opisthorchis viverrini.
3. **Eursitthichai V**, Viyanant V, Grams R. 17th International Congress for Tropical Medicine and Malaria (2008). Development of diagnostic method and protective vaccine for *Fasciola gigantica* using saposin like protein.
4. **Eursitthichai V**, Thawornpong W, Kosa N, Tesana S, Sithithaworn P, Viyanant V, Grams R. 12th International Congress of Parasitology (2010). Molecular characterization of vitelline B eggshell precursor protein (OVVPB) from *Opisthorchis viverrini* and its application as a diagnostic tool.
5. **Thitapakorn V**, Sukcharoensin S, Prasopdee S, Tesana S, Phanaksri T, Kunjantarachot A, Butthongkomvong K, Yingchutrakul Y, Roytrakul S. 29th European Congress of Clinical Microbiology & Infectious Diseases, 13-16 April 2019, RAI Amsterdam, Amsterdam, Netherland. Potential diagnostic biomarkers identified from plasma proteome for opisthorchiasis viverrini.

Poster presentations

1. Eursitthichai V, Viyanant V, Vichasri-Grams S, Sobhon P, Tesana S, Upatham S, Hofmann A, Korge G, Grams R. Joint International Tropical Medicine Meeting (2002). Molecular cloning and characterisation of glutathione S-transferase and vitelline B egg shell precursor protein encoding genes from *Opisthorchis viverrini*.
2. Eursitthichai V, Viyanant V, Grams R. The Third ASEAN Congress of Tropical Medicine and Parasitology (2008). Development of diagnostic method and protective vaccine for *Fasciola gigantica* using saposin like protein.
3. Kotawong K, Grams R, Eursitthichai V, Plengsurikarn T, Sriwanitchrak P, Srivatanakul P, Phaonakrop N, Roytrakul S, Viyanant V. 34th Annual Meeting of The Pharmacological and Therapeutic Society of Thailand (2012). Identification of potential biomarkers in pool plasma of cholangiocarcinoma patients by using GEL-LC-MS/MS.
4. Eursitthichai V, Plengsurikarn T, Labbunruang N, Na-Bangchang K, Tesana S, Aumarm W, Pongpradit A, Viyanant V. 7th Princess Chulabhorn International Sciences Congress (2012). Applicability of ultrasonography as a tool for monitoring the development of cholangiocarcinoma in hamster.
5. Viyanant V, Eursitthichai V, Kotawong K, Plengsuriyakarn T, Na-Bangchang K. 7th Princess Chulabhorn International Sciences Congress (2012). Preliminary investigation on the application of alpha-1-antitrypsin (AAT) as a biomarker for cholangiocarcinoma.
6. Thitapakorn V, Kotawong K, Roytrakul S, Phaonakrop N, Viyanant V. 9th European Congress on Tropical Medicine and International Health (2015). Application of LC-MS/MS for identifying potential *Opisthorchis viverrini* related cholangiocarcinoma biomarker in plasma.
7. Thitapakorn V, Prasopdee S, Supradit K, Wongprasert K, Butthongkomvong K, Sukcharoensin S, Kunjantarachot K, Phanaksri T, Tesana S, Yoocha T, Sonthirod C, Pootakham W, Tangphatsornruang S. 29th European Congress of Clinical Microbiology & Infectious Diseases, 13-16 April 2019, RAI Amsterdam, Amsterdam, Netherland. Differential exosomal mRNA profile of *Opisthorchis viverrini* infected patient: a potential tool for diagnosis

Training

1. Training for Trainer on Laboratory Animal Sciences, organized by Office of National Standard for Research Animal, National Research Council of Thailand, 15-30 September 2007, ASEAN Institute for Health Development, Mahidol University, Salaya Campus, Nakornpathom, Thailand.
2. Short Course on Immunology and Vaccinology Applied to Dengue Infection, WHO-TDR CCTC, 4-8 May 2009, Academic Affair Buidling, Thammasat University Rangsit Campus.
3. Total Quality Management (TQM), organized by WHO-TDR CCTC, 4-8 June 2009 Academic Affair Buidling, Thammasat University Rangsit Campus.
4. Practical Guideline of Biosafety, organized by Prince of Songkla University and BIOTEC, NSTDA, Ministry of Science and Technology, 7-8 April 2015, Prince of Songkla University, Songkhla, Thailand.
5. Training in ESPRel Checklist and Chemical Inventory, organized by Thammasat University and National Research Council of Thailand, 18-19 May and 22 June 2015, Thammasat University, Rangsit Campus, Pathumthani, Thailand.
6. Training of National Certificate for Use and Care of Laboratory Animal, organized by Institute of Animal for Scientific Purposes Development (IAD), National Research Council of Thailand, 26-27 December 2015, Faculty of Pharmacy, Chulalongkorn University, Bangkok, Thailand.
7. Accreditation of Use and Care Laboratory Animal by AAALAC, organized by Thammasat University, 27-28 April 2016, Thammasat University, Rangsit Campus, Pathumthani, Thailand.
8. Biosafety Officer (BSO), organized by The Biosafety Association (Thailand); The Virology Association (Thailand); International Emerging Infections Program (IEIP); National Institute of Health of Thailand, Ministry of Public Health Thailand, Department of Medical Sciences, Ministry of Public Health, Thailand; and National Center for Genetic Engineering and Biotechnology (BIOTEC), National Science and Technology Development Agency (NSTDA), 27 June – 1 July 2016, SD Avenue Pinklao Hotel, Bangkok, Thailand.
9. Statistic analysis and research planning for laboratory Animal, organized by Institute of Animal for Scientific Purposes Development (IAD), National Research Council of Thailand, 6-10 July 2016, Computer Service Center, Kasetsart University, Bangkok, Thailand.
10. Practical Guideline of Biosafety for Trainer, organized by National Center for Genetic Engineering and Biotechnology (BIOTEC), 20-21 July 2017, Century Park Hotel, Bangkok, Thailand.
11. Intensive iOS Application Development (90 hours), organized by Apple Training Center, 2018, Apple Training Center, Central World Building, Bangkok, Thailand.

12. Biosafety and Biosecurity, organized by National Research Council of Thailand (NRCT) and National Center for Genetic Engineering and Biotechnology (BIOTEC), 21-22 May 2019, Century Park Hotel, Bangkok, Thailand.
13. Biosafety and Biosecurity organized by National Center for Genetic Engineering and Biotechnology (BIOTEC), 21-22 April 2022, at BIOTEC, Thailand.
14. Training in Biosafety laboratory level 3, National Center for Genetic Engineering and Biotechnology (BIOTEC), 10-11, 18 May 2022, at BIOTEC, Thailand.
15. Training in Biosafety officer organized by The Biosafety Association (Thailand), 6-10 June 2022, S.D. Avenue Hotel, Thailand.