

CURRICULUM VITAE

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Education

1999-2003 Ph.D. (Biochemistry) at Mahidol University
1991-1994 M.Sc. (Biochemistry) at Chulalongkorn University
1986-1989 B.Sc. (Nurse) at Mahidol University

Position Held

1995 – 2005 Lecturer
2005 – present Assistant Professor
2008 Deputy Dean of Student Activities
Faculty of Medicine, Srinakharinwirot University
2009 – 2012 Deputy Dean for Academic Affairs
Graduate School, Srinakharinwirot University

Membership

The Science Society of Thailand
Protein Society of Thailand
Thai Biomedical Engineering Research Association

Scholarships

2000– 2002 Funding from The higher Education Commission for doing
research (during study Ph.D.) at Division of Toxicology,
Karolinska Institute, Stockholm, Sweden
October 2006 Scholarship from ASIA-UNINET for research training
at Innsbruck Medical University, Innsbruck, Austria (one month)

Awards

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| 2007 | The outstanding lecturer award of Faculty of Medicine, Srinakharinwirot University (15 June 2007) |
| 2008 | The outstanding award of Thai Civil Servant in the year of 2008 (1 April 2008) |

Publications :

1. **Uthaisang W**, Wongsiri S, Verakalasa P and Sittipraneed S. DNA probes for the analysis of genetic variations in *Apis cerana*", Proceeding Biopolymers and Bioproducts: Structure, Function and Applications, Bangkok, 1995, 144-7.
2. Sarataphan N, **Uthaisang W**, Petchpoo W, Watanapokasin Y, Tananyutthawongese C, Onuma M and Chansiri K. Antigenic differences between Thai *Theileria* species and other benign *Theileria* species based on gene encoding immunodominant piroplasm surface proteins. *J. Protozool. Res.* 1997; 7: 36-42.
3. Watanapokasin Y, Tananyutthawongese C, **Uthaisang W**, Chansiri K, Boonmatit C and Sarataphan N. Intra-species differentiation of *Trypanosoma evansi* with arbitrary primers-polymerase chain reaction. *Vet. Parasitol.* 1998; 78: 259-64.
4. Chansiri K, Kawazu S, Kamio T, Fujisaki K, Panchadcharam C, Watanapokasin Y, **Uthaisang W**, Tananyutthawongese C and Sarataphan N. Inter-species differentiation of benign Theilerias by genomic fingerprinting with arbitrary primers. *Vet.Parasitol.* 1998; 79: 143-9.
5. Tananyutthawongese C, Saengsombat K, Sukhumsirichart W, **Uthaisang W**, Sarataphan N and Chansiri K. Detection of bovine hemoparasite infection using multiplex polymerase chain reaction. *Science Asia.* 1999; 25: 85-90.
6. **Uthaisang W**, Nutt LK, Orrenius S and Fadeel B. Phosphatidylserine exposure in Fas type I cells is mitochondria-dependent. *FEBS Lett.* 2003; 545: 110-114.
7. Kagan VE, Borisenko GG, Serinkan BF, Tyurina YY, Tyurin VA, Jiang J, Fabisiak JP, **Uthaisang W** and Fadeel B. Appetizing rancidity of apoptotic cells for macrophages: oxidation, externalization, and recognition of phosphatidylserine. *Am. J. Physiol. (Lung Cell Mol Physiol).* 2003; 285: L1-L7.

8. **Uthaisang W**, Reutrakul V, Krachangchaeng C, Wilairat P, and Fadeel B. VR-3848, a novel peptide derived from *Euphobiaceae*, induces mitochondria-dependent apoptosis in human leukemia cells. *Cancer Lett.* 2004 May 28; 208(2):171-8.
9. Zhang X, **Uthaisang W**, Hu LF, Ernberg IT and Fadeel B. Epstein-Barr virus-encoded latent membrane protein 1 promotes stress-induced apoptosis upstream of caspase-2-dependent mitochondrial perturbation. *Int J Cancer.* 2005 Jan 20; 113(3): 397-405.
10. Nutt LK, Gogvadze V, **Uthaisang W**, Mirnikjoo B, McConkey DJ and Orrenius S. Indirect effects of Bax and Bak initiate the mitochondrial alterations that lead to cytochrome c release during arsenic trioxide-induced apoptosis. *Cancer Biol Ther.* 2005 Apr 28;4(4): 459-67.
11. **Uthaisang W** and Khawsak P. Cytotoxicity of crude extracts from *Allamanda cathartica*, *Guaiaacum officinale* and *Artabotrys siamensis* to some cancer cells. *Journal of Medicine and Health Sciences. Faculty of Medicine. Srinakharinwirot University.* 2005 Aug 12; 2. 59-69.
12. Witasp E, **Uthaisang W**, Elenstrom-Magnusson C, Hanayama R, Tanaka M, Nagata S, Orrenius S, Fadeel B. Bridge over troubled water: milk fat globule epidermal growth factor 8 promotes human monocyte-derived macrophage clearance of non-blebbing phosphatidylserine-positive target cells. *Cell Death Differ.* 2007; May 14 (5):1063-5.
13. Krajang A, Limtrakarn W, Reepolmaha S and **Uthaisang-Tanechpongamb W**. Primary culture of porcine corneal endothelial cells: a tool for molecular investigation of corneal endothelial cells. *Thai J Ophthalmol.* 2008; 22(2): 118-126.
14. Reepolmaha S, Limtrakarn W, **Uthaisang-Tanechpongamb W** and Prompongsa D. Comparative temperature at corneal endothelial level between ophthalmic viscosurgical device and balanced salt solution during phacoemulsification, by element method model. *Thai J Ophthalmol.* 2009; 23(1): 11-21.
15. Reepolmaha S, Limtrakarn W, **Uthaisang-Tanechpongamb W** and Dechaumphai P. Fluid temperature at the corneal endothelium during phacoemulsification: comparison of an ophthalmic viscosurgical device and balanced salt solution using the finite element method. *Ophthalmic Research* 2010; 43: 173-8.

16. Saengsiri A, Wunsuwan R, Srimahachota S, Boonyaratavej S, **Tanechpongamb W**, Tosukhowong P. Change in cell viability, reactive oxygen species production and oxidative stress in older patients with coronary heart disease under going lifestyle management program. *Chula Med J.* 2010; 54(1): 81-97.
17. Watanapokasin R, Jarinthanan F, Jerusalmi A, Suksamran S, Nakamura Y, Sukseree S, **Uthaisang-Tanechpongamb W**, Ratananukul P, Sano T. Potential of xanthenes from tropical fruit mangosteen as anti-cancer agent:: caspase-dependent apoptosis induction in vitro and in mice. *Appl Biochem Biotechnol.* 2010;162(4): 1080-94.
18. Phonnok S, **Uthaisang-Tanechpongamb W**, Thanomsub Wongsatayanon B. Anticancer and apoptosis-inducing activities of microbial metabolites. *Electronic Journal of Biotechnology* 2010; 13(5) ISSN:0717-3458.
19. Jarintanan F, Kitprapiumpon N and **Uthaisang-Tanechpongamb W**. Cytotoxicity Study of Triphala Aqueous Extract against Colon Cancer (COLO-205) and Non-cancer Cell Line (Vero Cells). Proceedings of the Third International Conference on Natural Products for Health and Beauty; NATPRO3. Bangkok, Thailand. 2011; 16-18 March, p 182-6.
20. Pengpanich S, Nilwarangkoon S, Jarintanan F, Jongrungruangchok S and **Uthaisang-Tanechpongamb W**. The effect of Terrein on Cervical Carcinoma Cell Migration. Proceedings of The 22nd National Graduate Research Conference. Kasetsart University, Bangkok, Thailand. 2011; 6-7 October, O-BS003 p1-6.
21. Punpai S, Tanjapatkul N, Jarintanan F, Jongrungruangchok S and **Uthaisang-Tanechpongamb W**. The Effectiveness of Terrein in Inducing Cytotoxic and Nuclear Changes in Leukemic Cancer Cells. Proceedings of The 37th Congress on Science and Technology of Thailand. 2011; 10-12 October, p 1-6.
22. **Uthaisang-Tanechpongamb W**, Limtrakarn W, and Reepolmaha S. The effect of temperature of eye irrigation solution to reduce corneal endothelial cell lost during phacoemulsification: an in vitro model study. *J Med Assoc Thai* 2012; 95(suppl.12): S83-89.
23. Porameesanaporn Y, **Uthaisang-Tanechpongamb W**, Jarintanan F, Jongrungruangchok S, Thanomsub Wongsatayanon B. Terrein induces apoptosis in HeLa human cervical carcinoma cells through p53 and ERK regulation. *Oncology Reports* 2013; 29(4): 1600-8.

24. **Uthaisang-Tanechpongamb W**, Sriyabhaya P and Wilairat P. Role of altholactone in inducing type II apoptosis signaling pathway and expression of cancer-related genes in cervical carcinoma HeLa cell line. *Cell Biology International* 2013; 37(5) 471-7.

Presentations (last 5 years)

1. **Uthaisang-Tanechpongamb W**, and Wilairat P. Altholactone induces apoptosis via caspase-8 and -9 dependent pathways in cervical carcinoma cell. International cell death society symposium "Targeting cell death pathways for human diseases". Shanghai, China. 2008; 6-9 June, p43.
2. Phonnok S, **Uthaisang-Tanechpongamb W**, and Wongsatayanon Thanomsub B. Cytotoxicity and apoptosis induction of microbial products produced from *Candida ishiwadae* strain Y12 against monocytic leukemia cell line. FEMS 2009 3rd Congress of European microbiologists. Gothenburg, Sweden. 2009; 28 June – 2 July, p.100.
3. Laulapa D, Suwanrachata N and **Uthaisang-Tanechpongamb W**. Cytotoxicity to cancer cells of ethanol crude extracts from *Allamanda cathartica*, *Guaicum officinale* and *Artabotrys Siamensis*. The 2nd Biochemistry and Molecular Biology Conference. Khon Kaen University. 2009; 7-8 May, p.22.
4. Kittipornsakad P, **Uthaisang-Tanechpongamb W**, Suksamran S, Watanapokasin R. Apoptosis induction of mangosteen extract in prostate cancer cells. The 2nd International Medical Summit "Contemporary Medicine Synergy is Power". Royal Golden Jubilee, Bangkok, Thailand. 2010; 11-12 November, p 186.
5. **Uthaisang-Tanechpongamb W**, Krajarng A, Reepolmaka S, Limtrakarn W. The effect of temperature of eye irrigation solution in reducing corneal endothelial cell loss during phacoemulsification: an in vitro model study. The 2nd International Medical Summit "Contemporary Medicine Synergy is Power". Royal Golden Jubilee, Bangkok, Thailand. 2010; 11-12 November, p 190.
6. Jarintanan F, Kitrapiumpon N and **Uthaisang-Tanechpongamb W**. Cytotoxicity Study of Triphala Aqueous Extract against Colon Cancer (COLO-205) and Non-cancer Cell Line (Vero Cells). The Third International Conference on Natural Products for Health and Beauty; NATPRO3. Bangkok, Thailand. 2011; 16-18 March, p 182-6.
7. Pengpanich S, Nilwarangkoon S, Jarintanan F, Jongrungruangchok S and **Uthaisang-Tanechpongamb W**. The effect of Terrein on Cervical Carcinoma Cell Migration. The 22nd National Graduate Research Conference. Kasertsart University, Bangkok, Thailand. 2011; 6-7 October, O-BS003 p1-6.
8. Punpai S, Tanjapatkul N, Jarintanan F, Jongrungruangchok S and **Uthaisang-Tanechpongamb W**. The Effectiveness of Terrein in Inducing Cytotoxic and Nuclear Changes in Leukemic Cancer Cells. The 37th Congress on Science and Technology of Thailand. 2011; 10-12 October, p 1-6

9. Pengpanich S, Nilwarangkoon S, Jarintanan F, Jongrungruangchok S and **Uthaisang-Tanechpongamb W**. Inhibitory effects of terrein on cervical carcinoma cell line adhesion, invasion and migration. The XIII International Congress of Toxicology. COEX, Seoul, Korea. 2013; 30 June-4 July, p 60.
 10. Sakdiphong P, Tanjapatkul N, Jarintanun F, Jongrungruangchok S and **Uthaisang-Tanechpongamb W**. Induction of G1 cell cycle arrest and apoptosis in human leukemic T cells by terrein, a secondary metabolite isolated from *Aspergillus terreus*. The XIII International Congress of Toxicology. COEX, Seoul, Korea. 2013; 30 June-4 July, p 51.
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