

CURRICULUM VITAE



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2. Education: Ph.D. in Microbiology (จาก คณะวิทยาศาสตร์ มหาวิทยาลัยมหิดล)
3. Academic status: Associated Professor
4. Professional experience
 - 4.1 Working Status: Chief of Virology and Molecular Biology unit, Ramathibodi hospital
 - 4.2 Coordinator of Thailand SNP discovery project, Bioinformatics section, National Center Genetic Engineering and Biotechnology (Biotec).
 - 4.3 Coordinator of Pharmacogenomics project, The Thailand Center of Excellence for Life Sciences (TCELS).
 - 4.4 Coordinator of HyperCourse on Bioinformatics, Thailand Graduate Institute of Science and Technology, National Science and Technology Development Agency
5. Work place:

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6. Specialty
 - 6.1 Molecular diagnosis of viruses
 - 6.2 Bioinformatics in the field of artificial intelligent and data mining
 - 6.3 Sequencing based genotyping of HIV, HBV, HCV, CMV, HSV
 - 6.4 Viral genotyping and Pharmacogenetics in patients taking antiviral drugs.
 - 6.5 Analysis of microsatellite DNA technology
 - 6.6 DNA testing in forensic and paternity testing
7. Grants
 - 7.1 HIV-1 pharmacogenomics project supported by grant from Thailand Center of Excellence for Life Sciences (2004-2006).
 - 7.2 Thailand SNP discovery supported by grant from The National Center for Genetic Engineering and Biotechnology, Thailand (2003-2005).
 - 7.3 Individualized HIV-1 drug resistant estimation: a bioinformatics approach to predict phenotype of drug resistance from HIV-1 genotype based on computational chemical calculations, artificial intelligence and machine learning technologies supported by grant from The National Center for Genetic Engineering and Biotechnology, Thailand (2004-2006).
 - 7.4 Rapid molecular diagnosis of Avian influenza virus supported by grant from The National Center for Genetic Engineering and Biotechnology, Thailand and Faculty of Medicine, Ramathibodi Hospital, Mahidol University, Bangkok, Thailand (2004).

- 7.5 Rapid molecular diagnosis of SARS coronavirus supported by grant from The National Center for Genetic Engineering and Biotechnology, Thailand and Faculty of Medicine, Ramathibodi Hospital, Mahidol University, Bangkok, Thailand (2003).
- 7.6 ~~Setting up the S-Star Bioinformatics course mirror sites for the bioinformatics education in Thailand~~ supported by grant from The National Center for Genetic Engineering and Biotechnology, Thailand (2003-2004).
- 7.7 ~~HyperCourse on Bioinformatics~~ supported by grant from Thailand Graduate Institute of Science and Technology (1998-2005).
- 7.8 Development of RT-PCR for real-time detection of HIV-1 RNA Viral load in plasma sample supported by grant from AIDS Cluster, Bureau of AIDS, TB and STIs Department of Diseases Control Ministry of Public Health, Thailand (2002-2005).
- 7.9 Development of Molecular beacon probes combined with amplification by NASBA and RT-PCR for real-time detection of HIV-1 RNA Viral load in plasma sample supported by grant from Ministry of University Affairs (2002-2003).

Publication: (เรียงจากปัจจุบัน - อดีต)

1. Phuphuakrat A, **Pasomsub E**, Kiertiburanakul S, **Chantratita W**, unghanuparph S. [HIV Type 1 Integrase Polymorphisms in Treatment-Naive and Treatment-Experienced HIV Type 1-Infected Patients in Thailand Where HIV Type 1 Subtype A/E Predominates](#). AIDS Res Hum Retroviruses. 2012 Aug;28(8):937-43. Epub 2011 Nov 22.
2. Watcharananan SP, Louhapanswat S, **Chantratita W**, Jirasiritham S, Sumethkul V. [Cytomegalovirus viremia after kidney transplantation in Thailand: predictors of symptomatic infection and outcome](#). Transplant Proc. 2012 Apr;44(3):701-5.
3. Trakulsrichai S, Watcharananan SP, **Chantratita W**. [Influenza A \(H1N1\) 2009 reinfection in Thailand](#). J Infect Public Health. 2012 Apr;5(2):211-4. Epub 2012 Feb 25.
4. Punyacam P, Iemwimangsa N, **Chantratita W**, **Sukasem C**, Sungkanuparph S. [HIV Drug Resistance Interpreted by Cumulative Versus Last Genotypes in HIV-Infected Patients with Multiple Treatment Failures](#). Curr HIV Res. 2012 Apr 1;10(3):271-4.

5. Watcharananan SP, Louhapanswat S, **Chantratita W**, Jirasiritham S, Sumethkul V. [Cytomegalovirus viremia after kidney transplantation in Thailand: predictors of symptomatic infection and outcome](#). *Transplant Proc.* 2012 Apr;44(3):701-5.
6. Wi boonchutikul S, Sungkanuparph S, Kiertiburanakul S, Chailurkit LO, Charoenyingwattana A, Wangsomboonsiri W, **Chantratita W**, Ongphiphadhanakul B. [Vitamin D Insufficiency and Deficiency among HIV-1-Infected Patients in a Tropical Setting](#). *J Int Assoc Physicians AIDS Care (Chic)*. 2012 Jan 13. [Epub ahead of print]
7. Sungkanuparph S, Kiertiburanakul S, Sukasem C, **Chantratita W**. [Discrepancies Between WHO 2009 and IAS-USA 2009 Lists for Determining the Rate of Transmitted HIV-1 Drug Resistance: A Prospective Study](#). *J Acquir Immune Defic Syndr.* 2012 Jan 1;59(1):e3-5. No abstract available.
8. Chantarangsu S, Mushiroda T, Mahasirimongkol S, Kiertiburanakul S, Sungkanuparph S, Manosuthi W, Tantisiriwat W, Charoenyingwattana A, Sura T, Takahashi A, Kubo M, Kamatani N, **Chantratita W**, Nakamura Y. [Genome-wide Association Study Identifies Variations in 6p21.3 Associated With Nevirapine-Induced Rash](#). *Clin Infect Dis.* 2011 Aug;53(4):341-8.
9. **Chantratita W**, **Sukasem C**, Sirinavin S, Sankuntaw N, Srichantaratsamee C, **Pasomsub E**, Malathum K. Simultaneous detection and subtyping of H274Y-positive influenza A (H1N1) using pyrosequencing. *J Infect Dev Ctries.* 2011 May 28;5(5):348-52.
10. Sankuntaw N, Sukprasert S, Engchanil C, Kaewkes W, **Chantratita W**, Pairoj V, Lulitanond V. Single tube multiplex real-time PCR for the rapid detection of herpesvirus infections of the central nervous system. *Mol Cell Probes.* 2011 Apr-Jun;25(2-3):114-20. Epub 2011 Apr 3.
11. Pongthanapisith V, **Sukasem C**, Premchaiporn K, Srichantaratsamee C, **Chantratita W**. Clinical performance of three rapid diagnostic tests for influenza virus in nasopharyngeal specimens to detect novel swine-origin influenza viruses. *Infection.* 2011 Apr;39(2):105-11. Epub 2011 Mar 22

12. Pongthanapisith V, Sukasem C, Premchaiporn K, Srichantaratsamee C, **Chantratita W**. Clinical performance of three rapid diagnostic tests for influenza virus in nasopharyngeal specimens to detect novel swine-origin influenza viruses. *Infection*. 2011 Mar 22. [Epub ahead of print]
13. Sukasem C, Pairoj W, Saekang N, Pombubpha H, Srichunrasami C, Pongtippan A, Junyangdikul P, **Chantratita W**. Molecular epidemiology of human papillomavirus genotype in women with high-grade squamous intraepithelial lesion and cervical cancer: will a quadrivalent vaccine be necessary in Thailand? *J Med Virol*. 2011 Jan;83(1):119-26.
14. Kaewpongsri S, Sukasem C, Srichunrusami C, Pasomsub E, Zwang J, Pairoj W, **Chantratita W**. An integrated bioinformatics approach to the characterization of influenza A/H5N1 viral sequences by microarray data: Implication for monitoring H5N1 emerging strains and designing appropriate influenza vaccines. *Mol Cell Probes*. 2010 Dec;24(6):387-95. Epub 2010 Aug 24.
15. Manosuthi W, Butler DM, **Chantratita W**, Sukasem C, Richman DD, Smith DM. Patients Infected with HIV Type 1 Subtype CRF01_AE and Failing First-Line Nevirapine- and Efavirenz-Based Regimens Demonstrate Considerable Cross-Resistance to Etravirine. *AIDS Res Hum Retroviruses*. 2010 Jun;26(6):609-11. [Epub ahead of print] No abstract available.
16. Sangket U, Mahasirimongkol S, **Chantratita W**, Tandayya P, Aulchenko YS. ParallABEL: an R library for generalized parallelization of genome-wide association studies. *BMC Bioinformatics*. 2010 Apr 29;11(1):217. [Epub ahead of print]
17. Watcharananan SP, Kiertiburanakul S, Piyatuctsanawong W, Anurathapan U, Sungkanuparph S, Pakakasama S, **Chantratita W**, Hongeng S. Cytomegalovirus, adenovirus, and polyomavirus co-infection among pediatric recipients of allogeneic stem cell transplantation: Characteristics and outcome. *Pediatr Transplant*. 2010 Apr 14(5):675-81.

18. Brouwer AE, Teparrukkul P, Rajanuwong A, Chierakul W, Mahavanakul W, **Chantratita W**, White NJ, Harrison TS. Cerebrospinal fluid HIV-1 viral load during treatment of cryptococcal Meningitis. *J Acquir Immune Defic Syndr*. 2010 Apr;53(5):668-9. No abstract available.
19. Pasomsub E, Sukasem C, Sungkanuparph S, Kijirikul B, **Chantratita W**. The application of artificial neural networks for phenotypic drug resistance prediction: evaluation and comparison with other interpretation systems. *Jpn J Infect Dis*. 2010 Mar;63(2):87-94
20. Kiertiburanakul S, Wiboonchutikul S, Sukasem C, **Chantratita W**, Sungkanuparph S. Using of nevirapine is associated with intermediate and reduced response to etravirine among HIV-infected patients who experienced virologic failure in a resource-limited setting. *J Clin Virol*. 2010 Feb 24. [Epub ahead of print]
21. Wangsomboonsiri W, Mahasirimongkol S, Chantarangsu S, Kiertiburanakul S, Charoenyingwattana A, Komindr S, Thongnak C, Mushiroda T, Nakamura Y, **Chantratita W**, Sungkanuparph S. Association between HLA-B*4001 and lipodystrophy among HIV-infected patients from Thailand who received a stavudine-containing antiretroviral regimen. *Clin Infect Dis*. 2010 Feb 15;50(4):597-604.
22. Watcharananan S, Kiertiburanakul S, **Chantratita W**. Rapid influenza diagnostic test during the outbreak of the novel influenza A/H1N1 2009 in Thailand: an experience with better test performance in resource limited setting. *J Infect*. 2010 Jan;60(1):86-7. Epub 2009 Oct 27. No abstract available.
23. Chantarangsu S, Cressey TR, Mahasirimongkol S, Capparelli E, Tawon Y, Ngo-Giang-Huong N, Jourdain G, Lallemand M, **Chantratita W**. Influence of CYP2B6 polymorphisms on the persistence of plasma nevirapine concentrations following a single intra-partum dose for the prevention of mother to child transmission in HIV-infected Thai women. *J Antimicrob Chemother*. 2009 Dec;64(6):1265-73. Epub 2009 Oct 6.

24. Kiertiburanakul S, Sungkanuparph S, Malathum K, Watcharananan S, Sathapatayavongs B, Charoenyingwattana A, Mahasirimongkol S, **Chantratita W**. A model and risk score for predicting nevirapine-associated rash among HIV-infected patients: in settings of low CD4 cell counts and resource limitation. *Open AIDS J*. 2009 Jul 8;3:24-30.
25. Land S, Cunningham P, Zhou J, Frost K, Katzenstein D, Kantor R, Chen YM, Oka S, DeLong A, Sayer D, Smith J, Dax EM, Law M; TAQAS Laboratory Network. TREAT Asia Quality Assessment Scheme (TAQAS) to standardize the outcome of HIV genotypic resistance testing in a group of Asian laboratories. *J Virol Methods*. 2009 Aug;159(2):185-93. Epub 2009 Mar 26.
26. Chantarangsu S, Mushiroda T, Mahasirimongkol S, Kiertiburanakul S, Sungkanuparph S, Manosuthi W, Tantisiriwat W, Charoenyingwattana W, Sura T, Nakamura Y and **Chantratita W**. Genome-wide association study identifies association of variations in CXXXX6 with susceptibility to nevirapine-induced skin rash. Manuscript in preparation.
27. Chantarangsu S, Mushiroda T, Mahasirimongkol S, Kiertiburanakul S, Sungkanuparph S, Manosuthi W, Tantisiriwat W, Charoenyingwattana W, Sura T, **Chantratita W** and Nakamura Y. HLA-B*3505 allele is a strong predictor for nevirapine-induced skin adverse drug reactions in Thai HIV-infected patients. Accepted to publish in *Pharmacogenetics and Genomics* 2008.
28. Tocharoentanaphol C, Promso S, Zelenika D, Lowhnoo T, Tongsimma S, Sura T, **Chantratita W**, Matsuda F, Mooney S, Sakuntabhai A. Evaluation of resequencing on number of tag SNPs of 13 atherosclerosis-related genes in Thai population. *J Hum Genet*. 2008;53(1):74-86.
29. Sungkanuparph S, Sukasem C, Manosuthi W, Wiboonchutikul S, Piyavong B, **Chantratita W**. Tipranavir resistance associated mutations in protease inhibitor-naive patients with HIV-1 subtype A/E infection. *J Clin Virol*. 2008 Nov;43(3):284-6.

30. Sungkanuparph S, Manosuthi W, Kiertiburanakul S, Saekang N, Pairoj W, **Chantratita W**. Prevalence and risk factors for developing K65R mutations among HIV-1 infected patients who fail an initial regimen of fixed-dose combination of stavudine, lamivudine, and nevirapine. *J Clin Virol*. 2008 Apr;41(4):310-3.
31. Sungkanuparph S, Manosuthi W, Kiertiburanakul S, Piyavong B, **Chantratita W**. Evaluating the role of etravirine in the second-line antiretroviral therapy after failing an initial non-nucleoside reverse transcriptase inhibitor-based regimen in a resource-limited setting. *Curr HIV Res*. 2008 Sep;6(5):474-6.
32. Sukasem C, Churdboonchart V, Sukeepaisarncharoen W, Piroj W, Inwisai T, Tiensuwan M, **Chantratita W**. Genotypic resistance profiles in antiretroviral-naive HIV-1 infections before and after initiation of first-line HAART: impact of polymorphism on resistance to therapy. *Int J Antimicrob Agents*. 2008 Mar;31(3):277-81.
33. Ruangrit U, Srikummool M, Assawamakin A, Ngamphiw C, Chuechote S, Thaiprasarnsup V, Agavatpanitch G, Pasomsab E, Yenchtsomanus PT, Mahasirimongkol S, **Chantratita W**, Palittapongarnpim P, Uyyanonvara B, Limwongse C, Tongshima S. Thailand mutation and variation database (ThaiMUT). *Hum Mutat*. 2008 May 16;29(8):E68-E75.
34. Poonpiriya V, Sungkanuparph S, Leechanachai P, Pasomsub E, Watitpun C, Chunhakan S, **Chantratita W**. A study of seven rule-based algorithms for the interpretation of HIV-1 genotypic resistance data in Thailand. *J Virol Methods*. 2008 Jul;151(1):79-86.
35. Kiertiburanakul S, Sungkanuparph S, Charoenyingwattana A, Mahasirimongkol S, Sura T, **Chantratita W**. Risk factors for nevirapine-associated rash among HIV-infected patients with low CD4 cell counts in resource-limited settings. *Curr HIV Res*. 2008 Jan;6(1):65-9.

36. **Chantratita W**, Sukasem C, Kaewpongsri S, Srichunrusami C, Pairoj W, Thitithanyanont A, Chaichoune K, Ratanakron P, Songserm T, Damrongwatanapokin S, Landt O. Qualitative detection of avian influenza A (H5N1) viruses: A comparative evaluation of four real-time nucleic acid amplification methods. *Mol Cell Probes*. 2008 Oct-Dec;22(5-6):287-93.
37. Sungkanuparph S, Manosuthi W, Kiertiburanakul S, Piyavong B, Chumpathat N, **Chantratita W**. Options for a second-line antiretroviral regimen for HIV type 1-infected patients whose initial regimen of a fixed-dose combination of stavudine, lamivudine, and nevirapine fails. *Clin Infect Dis*. 2007 Feb 1;44(3):447-52.
38. Sukasem C, Churdboonchart V, Sirisidthi K, Riengrojpitak S, Chasombat S, Watitpun C, Piroj W, Tiensuwan M, **Chantratita W**. Genotypic resistance mutations in treatment-naive and treatment-experienced patients under widespread use of antiretroviral drugs in Thailand: implications for further epidemiologic surveillance. *Jpn J Infect Dis*. 2007 Sep;60(5):284-9.
39. Sukasem C, Churdboonchart V, Chasombat S, Kohreanudom S, Watitpun C, Piroj W, Tiensuwan M, **Chantratita W**. Prevalence of antiretroviral drug resistance in treated HIV-1 infected patients: under the initiative of access to the NNRTI-based regimen in Thailand. *J Chemother*. 2007 Oct;19(5):528-35.
40. Sukasem C, Churdboonchart V, Chasombat S, Kohreanudom S, Watitpun C, Pasomsub E, Piroj W, Tiensuwan M, **Chantratita W**. Surveillance of genotypic resistance mutations in chronic HIV-1 treated individuals after completion of the National Access to Antiretroviral Program in Thailand. *Infection*. 2007 Apr;35(2):81-8.
41. Chantratita N, Wuthiekanun V, Limmathurotsakul D, Thanwisai A, **Chantratita W**, Day NP, Peacock SJ. Prospective clinical evaluation of the accuracy of 16S rRNA real-time PCR assay for the diagnosis of melioidosis. *Am J Trop Med Hyg*. 2007 Nov;77(5):814-7.
42. Chantarangsu S, Cressey T, Mahasirimongkol S, Tawon Y, Ngo-Giang-Huong N, Jourdain G, Lallemand M, **Chantratita W**. Comparison of the TaqMan and LightCycler systems in evaluation of CYP2B6 516G>T polymorphism. *Mol Cell Probes*. 2007 Oct-Dec;21(5-6):408-11.

43. Rerkamnuaychoke B, Rinthachai T, Shotivaranon J, Jomsawat U, Siriboonpiputtana T, Chaiatchanarat K, Pasomsub E, **Chantratita W**. Thai population data on 15 tetrameric STR loci-D8S1179, D21S11, D7S820, CSF1PO, D3S1358, TH01, D13S317, D16S539, D2S1338, D19S433, vWA, TPOX, D18S51, D5S818 and FGA. *Forensic Sci Int*. 2006 May 10;158(2-3):234-7.
44. Promso S, Srichunrusami C, Utid K, Lulitanond V, Pairoj W, **Chantratita W**. Quantitative detection of human immunodeficiency virus type 1 (HIV-1) viral load by real-time RT-PCR assay using self-quenched fluorogenic primers. *Southeast Asian J Trop Med Public Health*. 2006 May;37(3):477-87.
45. Mahasirimongkol S, **Chantratita W**, Promso S, Pasomsab E, Jinawath N, Jongjaroenprasert W, Lulitanond V, Krittayapoositpot P, Tongsimma S, Sawanpanyalert P, Kamatani N, Nakamura Y, Sura T. Similarity of the allele frequency and linkage disequilibrium pattern of single nucleotide polymorphisms in drug-related gene loci between Thai and northern East Asian populations: implications for tagging SNP selection in Thais. *J Hum Genet*. 2006;51(10):896-904.
46. Engchanil C, Kosalaraksa P, Lulitanond V, Lumbiganon P, **Chantratita W**. Multi-drug resistant HIV-1 reverse transcriptase genotype in children treated with dual nucleoside reverse transcriptase inhibitors (NRTIs). *J Med Assoc Thai*. 2006 Oct;89(10):1713-20.
47. Wittayanarakul K, Aruksakunwong O, Saen-oon S, **Chantratita W**, Parasuk V, Sompornpisut P, Hannongbua S. Insights into saquinavir resistance in the G48V HIV-1 protease: quantum calculations and molecular dynamic simulations. *Biophys J*. 2005 Feb;88(2):867-79.
48. Watanaveeradej V, Sirirattanaphoomee S, **Chantratita W**, Nitayaphan S, Viputtikul K, Kerdpanich A, Samakoses R, Simasathien S. Quantification of HIV-1 RNA load by one-tube-one-step RT PCR and real time PCR assay with TaqMan probe. *J Med Assoc Thai*. 2005 Nov;88 Suppl 3:S206-13.
49. Visaprom S, Chindamporn A, **Chantratita W**, Bhattarakosol P. Intratypic variations among Thai herpes simplex virus (HSV) isolates determined by restriction fragment length polymorphism (RFLP) analysis. *Southeast Asian J Trop Med Public Health*. 2005 Jul;36(4):910-6.

50. Incomserb P, Bhattarakosol P, Kulwichit W, **Chantratita W**, Hansasuta P. Establishment of real-time polymerase chain reaction-based assay for quantitation of Epstein-Barr virus DNA in healthy donors and in patients with EBV associated lymphoma. *J Med Assoc Thai*. 2005 Sep;88 Suppl 4:S280-6.
51. Tantivanich S, Laohapand P, Thaweewoon S, Desakorn V, Wuthinuntiwong P, Chalermtaranukul S, Pansri P, Amarapal P, Balachandra K, **Chantratita W**, Dhepakson P. Prevalence of cytomegalovirus, human herpesvirus-6, and Epstein-Barr virus in periodontitis patients and healthy subjects in the Thai population. *Southeast Asian J Trop Med Public Health*. 2004 Sep;35(3):635-40.
52. Panburana P, Sirinavin S, Phuapradit W, Vibhagool A, **Chantratita W**. Elective cesarean delivery plus short-course lamivudine and zidovudine for the prevention of mother-to-child transmission of human immunodeficiency virus type 1. *Am J Obstet Gynecol*. 2004 Mar;190(3):803-8.
53. **Chantratita W**, Sukeepaisarncharoen W, Chandeying V, Kulpradist S, Israngkura Na Ayudhtaya B, Rugpao S, Sirawaraporn W, Boonshuyar C, Churdboonchart V. Delayed progression to AIDS in volunteers treated with long-term HIV-1 Immunogen (REMUNE) therapy in Thailand. *HIV Med*. 2004 Sep;5(5):317-25.
54. **Chantratita W**, Pongtanapisit W, Piroj W, Srichunrasmi C, Seesuai S. Development and comparison of the real-time amplification based methods--NASBA-Beacon, RT-PCR taqman and RT-PCR hybridization probe assays--for the qualitative detection of sars coronavirus. *Southeast Asian J Trop Med Public Health*. 2004 Sep;35(3):623-9.
55. Sungkanuparph S, Vibhagool A, Mootsikapun P, Chetchotisakd P, Tansuphaswaswadikul S, Bowonwatanuwong C, **Chantratita W**. Efavirenz-based regimen as treatment of advanced AIDS with cryptococcal meningitis. *J Acquir Immune Defic Syndr*. 2003 May 1;33(1):118-9.
56. Jenwitheesuk E, Watitpun C, Vibhagool A, **Chantratita W**. Prevalence of genotypic HIV-1 drug resistance in Thailand, 2002. *Ann Clin Microbiol Antimicrob*. 2003 Mar 6;2:4.
57. Jenwitheesuk E, Auswinporn S, Vibhagool A, Chantratita W. The effects of antiretroviral dose modification on the re-emergence of HIV-1 wild-type strains. *Southeast Asian J Trop Med Public Health*. 2002 Mar;33(1):99-101.

58. Dujneungkunakorn T, Sungkanuparph S, Vibhagool A, Pairoj W, **Chantratita W**, Srichunrusami C, Laothamatas J, Pulkes T. Detection of JC virus infection in progressive multifocal leukoencephalopathy: the first documented case in Thailand. *J Med Assoc Thai*. 2002 Oct;85(10):1139-44.
59. **Chantratita W**, Jenwitheesuk E, Watitpun C, Pongthanapisith V, Vibhagool A, Leechawengwong M, Sookpranee M, Apairatana A. Prevalence of HIV-1 polymerase gene mutations in pre-treated patients in Thailand. *Southeast Asian J Trop Med Public Health*. 2002 Mar;33(1):80-4.
60. Auswinporn S, Jenwitheesuk E, Panburana P, Sirinavin S, Vibhagool A, **Chantratita W**. Prevalence of HIV-1 drug resistance in antiretroviral-naive pregnant Thai women. *Southeast Asian J Trop Med Public Health*. 2002 Dec;33(4):818-21.
61. Sirivichayakul S, **Chantratita W**, Sutthent R, Ruxrungtham K, Phanuphak P, Oelrichs RB. Survey of reverse transcriptase from the heterosexual epidemic of human immunodeficiency virus type 1 CRF01_AE in Thailand from 1990 to 2000. *AIDS Res Hum Retroviruses*. 2001 Jul 20;17(11):1077-81.
62. Rerkamnuaychoke B, **Chantratita W**, Jomsawat U, Thanakitgosate J, Ruangvithayanon T, Rojanasunan P. Database of nine tetrameric STR loci--D3S1358, vWA, FGA, D8S1179, D21S11, D18S51, D5S818, D13S317 and D7S820 in Thai population. *Forensic Sci Int*. 2001 Jun 1;119(1):123-5.
63. **Chantratita W**, Rerkamnuaychoke B, Jomsawat U, Thanakitgosate J, Ruangvithayanon T, Rojanasunan P. Thai population data on nine tetrameric STR loci - D3S1358, vWA, FGA, TH01, TPOX, CSF1PO, D5S818, D13S317 and D7S820. *Forensic Sci Int*. 2001 Jan 1;115(1-2):113-5.
64. Auswinporn S, Jenwitheesuk E, Vibhagool A, Sookpranee M, Leechawengwong M, **Chantratita W**. Genotypic subtyping of the HIV-1 polymerase gene in 30 naave patients from Thailand. *Southeast Asian J Trop Med Public Health*. 2001 Jun;32(2):346-50.
65. Rerkamnuaychoke B, **Chantratita W**, Jomsawat U, Thanakitgosate J, Rojanasunan P. Forensic identification by DNA fingerprinting and mitochondrial DNA typing. *J Med Assoc Thai*. 2000 Mar;83 Suppl 1:S49-54.

66. Rerkamnuaychoke B, **Chantratita W**, Jomsawat U, Thanakitgosate J, Rojanasunan P. Paternity testing by PCR-based STR analysis. *J Med Assoc Thai.* 2000 Mar;83 Suppl 1:S55-62.
67. Rerkamnuaychoke B, **Chantratita W**, Jomsawat U, Thanakitgosate J, Pattanasak N, Rojanasunan P. Comparison of DNA extraction from blood stain and decomposed muscle in STR polymorphism analysis. *J Med Assoc Thai.* 2000 Mar;83 Suppl 1:S82-8.
68. Phuapradit W, Panburana P, Jaovisidha A, Puchaiwatananon O, **Chantratita W**, Bhodhiphala P, Pairoj W. Plasma HIV-1 RNA viral load and serum vitamin A and E levels in HIV-1 infected pregnant women. *Aust N Z J Obstet Gynaecol.* 2000 Feb;40(1):78-80.
69. Pairoj W, Srichunrusami C, **Chantratita W**, Bodhiphala P, Sungkanuparph S, Vibhagool A. Preliminary report for the application of nucleic acid sequence-based amplification in detection of human cytomegalovirus (HCMV) late pp67 mRNA for diagnosis of HCMV infection. *J Med Assoc Thai.* 2000 Mar;83 Suppl 1:S28-34.
70. Limpai boon T, Pooart J, Bhattarakosol P, Niruthisard S, **Chantratita W**, Lulitanond V. p53 status and human papillomavirus infection in Thai women with cervical carcinoma. *Southeast Asian J Trop Med Public Health.* 2000 Mar;31(1):66-71.
71. Phuapradit W, Panburana P, Jaovisidha A, Vichitphun N, Kongsin P, **Chantratita W**, Bhodhiphala P, Pairoj W. Maternal viral load and vertical transmission of HIV-1 in mid-trimester gestation. *Aids.* 1999 Oct 1;13(14):1927-31.
72. Nimmanahaeminda K, Thamprasert K, **Chantratita W**. Detection of various types of human papillomaviruses in premalignant and malignant cervical lesions using DNA-DNA in situ hybridization. *J Med Assoc Thai.* 1994 Mar;77(3):120-5.
73. Lulitanond V, **Chantratita W**, Thammapasert K, Nimmanahaeminda K, Matangkasombut P, Yoosook C. Detection of herpes simplex virus type 2 Bgl II N fragment in paraffin-embedded cervical tissue sections using nested polymerase chain reaction. *Mol Cell Probes.* 1994 Dec;8(6):441-7.

74. **Chantratita W**, Yoosook C. Restriction endonuclease analysis of deoxyribonucleic acid (DNA) from genital herpes simplex virus type 2 isolates in Thailand. *Sex Transm Dis.* 1990 Jan-Mar;17(1):42-7.
75. Yoosook C, **Chantratita W**, Rimdusit P. Recovery frequencies of herpes simplex virus types 1 and 2 from symptomatic and asymptomatic genital herpes cases and antiviral sensitivities of isolates. *J Med Assoc Thai.* 1989 Oct;72(10):572-6.
76. **Chantratita W**, Henchal EA, Yoosook C. Rapid detection of herpes simplex virus DNA by in situ hybridization with photobiotin-labelled double-stranded DNA probes. *Mol Cell Probes.* 1989 Dec;3(4):363-73.
77. Yoosook C, Rimdusit P, **Chantratita W**, Leechanachai P, Bhattarakosol P. Evaluation of biotin-streptavidin enzyme-linked immunosorbent assay for detection of genital herpes simplex virus infection. *Asian Pac J Allergy Immunol.* 1987 Dec;5(2):143-8.
78. **Chantratita W**, Yoosook C. Use of in vivo infected spleen cells to study Fv-2r-mediated resistance of mice to Friend spleen focus-forming virus. *Leuk Res.* 1982;6(4):595-600.