

NAME Patrinee Traisathit (Sasomsin)	POSITION TITLE Lecturer
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EDUCATION			
INSTITUTION AND LOCATION	DEGREE	YEAR (s)	FIELD OF STUDY
CHIANG MAI UNIVERSITY	Bachelor of sciences	1997	Statistics
DENIS DIDEROT – Paris VII UNIVERSITY	D.E.A.	1998	Biomathematics
PIERRE ET MARIE CURIE – Paris VI UNIVERSITY	CESAM/D.I.U	2000	Statistics in Biologie
DENIS DIDEROT – Paris VII UNIVERSITY	PhD	2005	Biomathematics

Professional Experience:

1997 – 1999	Field work, Modélisation Mathématique et Statistique en Biologie et Médecine; INSERM U436; Paris, France
1997 – present	Lecturer, Department of Statistics, Chiang Mai University, Thailand
1999 – present	Study statistician, Program for HIV Prevention and Treatment, Chiang Mai, Thailand.
2005 – present	Field work, Computational Simulation and Modelling Laboratory, Chiang Mai University
2006 – 2011	Executive Associate Editor, Journal of Thailand Statistician
2006 – present	Field work, Bioinformatics Laboratory, Chiang Mai University, Thailand
2008 – 2009	Post Doctoral, “Growth of HIV-infected Children Exposed to Antiretroviral Treatment” funded by Institut de Recherche pour le Développement, URI 174.
2008 – 2011	Study statistician, Project: Monitoring Highly Active Antiretroviral Therapy in HIV-Infected Patients in Thailand.
2008 – present	Field work, Research Laboratory for Excellence in Development of Miniaturization in Flow-based Analysis
2008 – present	Field work, Research laboratory for Development of Analytical Instruments
2009 – present	Field work, Biostatistics and Applied Statistics Research Laboratory (BASRL)
2010 – present	Field work, Multidisciplinary Science Research Centre : MSRC, Chiang Mai University

Publications:

1. **Patrinee Sasomsin**, France Mentré, Bertrand Diquet, François Simon, Françoise Brun-Vezinet, "Relationship between exposure to zidovudine and decrease of P24 antigenemia in HIV-infected patients in monotherapy", *Fundamental & Clinical Pharmacology* 2002;16; 347-352.
2. **Traisathit P**, Le Cœur S, Mary JY, Kanjanasing A, Lamlertkittikul S, Lallemand M. Gestational age determination and prevention of human immunodeficiency virus perinatal transmission. *IJGO* 2006; 92:176-180.
3. Briand N, Le Cœur S, **Traisathit P**, et al. Growth of HIV-uninfected children exposed to perinatal zidovudine for the prevention of mother-to-child HIV transmission. *Pediatr Infect Dis J.* 2006; 25:325–332.
4. Nimmanpipug P, Lee VS, Chaijaruwanich J, Prasitwattanaseree S, **Traisathit P**. Structural Screening of HIV-1 Protease/Inhibitor Docking by Non-parametric Binomial Distribution Test, Lecture Notes on Bioinformatics, Springer-Verlag, 2007; 4414:119-130.
5. Briand N, Lallemand M, Jourdain G, **Traisathit P**, et al. Haematological Parameters in HIV-1 Pregnant Women Exposed to Perinatal Zidovudine in Thailand: Secondary Analysis of a Randomized Trial. *PLoS Clinical Trials.* 2007, 2(4): e11. doi:10.1371/journal.pctr.0020011.
6. Jourdain G, Mary JY, Le Cœur S, **Traisathit P**, et al. Risk Factors for In Utero or Intrapartum Perinatal HIV-1 Transmission in Thailand. *The Journal of Infectious Diseases.* 2007; 196:1629–1636.
7. Bumroongkit K, Rannala B, **Traisathit P**, et al. TP53 Gene Mutations of Lung Cancer Patients in the Upper Northern Thailand and Environmental Risk Factors. *Cancer Genetics and Cytogenetics.* 2008;185:20-27.
8. Chitapanarux I, Kamnerdsupaphon P, **Traisathit P**, et al. Effect of oral pilocarpine on post-irradiation xerostomia in head and neck cancer patients: a single-center, single-blind clinical trial. *J Med Assoc Thai.* 2008 Sep;91(9):1410-5.
9. **Traisathit P**, Mary JY, Le Cœur S, et al. Risk factors of preterm delivery in HIV infected pregnant women receiving zidovudine. *The Journal of Obstetrics and Gynaecology Research* 2009;35:225-233.
10. Cailhol J, Jourdain G, Le Cœur S, **Traisathit P**, et al. Association of low CD4 cell count and intra-uterine growth retardation in Thailand. *Journal of Acquired Immune Deficiency Syndrome - Epidemiology* 2009;50:409-413.
11. Lee V, Tue-ngeun P, **Traisathit P**, et al. FTIR and chemometric tools for the classification of Thai wines, *Maejo Int. J. Sci. Techno.* 2009 (ISSN 1905-7873).
12. Lallemand M, Ngo-Giang-Huong N, **Traisathit P**, et al. Efficacy and safety of one-month postpartum zidovudine and didanosine to prevent HIV-resistance mutations following intrapartum single-dose nevirapine, *Clinical Infectious Diseases*, 2010;50:898-908.
13. Wongsabut J, Chitapanarux I, Lorvidhaya V, Prasitwattanaseree S, **Traisathit P**. Prognostic Factors for Cervical Cancer Patients Stages IB-IVA treated by Radiotherapy with or without Chemotherapy, *Journal of Statistics and Management Systems.* 2010;13:43-57.
14. Chitapanarux I Chitapanarux T, **Traisathit P**, et al. Randomized controlled trial of live lactobacillus acidophilus plus bifidobacterium bifidum in prophylaxis of diarrhea during radiotherapy in cervical cancer patients. *Radiation Oncology.* 2010, 31: 1-6.
15. Pima W, Pokaew P, **Traisathit P**, et al. Risk Factors Analysis of Drug Resistance in Pulmonary Tuberculosis Patients with Relapse in Northern Thailand, *Journal of Statistics and Management Systems* 2010;13:535-546.
16. Briand N, Le Cœur S, **Traisathit P**, et al. Haematological Safety of Perinatal Exposure to Zidovudine in Uninfected Infants Born to HIV-1 Infected Women in Thailand. *AIDS Research and Human Retroviruses*, 2010, 26: DOI: 10.1089/aid.2010.0034.
17. Shoombuatong W, Nimmanpipug P, **Traisathit P**, et al. Prediction of the Disulfide Bonding State of Cysteines in Proteins Using the Conditional Random Fields. *International Journal of Data Mining and Bioinformatics* 2011, 449-464.
18. Kunawararak P, Pongpanich P, **Traisathit P**, et al. Tuberculosis treatment with mobile-phone medication reminders in Northern Thailand" *Southeast Asian Journal of Tropical Medicine and Public Health.* Volume 42 No. 6 November 2011.

19. **Traisathit P**, Pokaew P, Chanwong S, et al. Risk Factor for isoniazid-resistance among pulmonary tuberculosis patients in Northern Thailand. *Journal of Statistics and Management Systems* 2011;14:899-913.
20. Chittawatanarat K, Ditsatham C, **Traisathit P**, et al. Characters of Mortality and Time Series Analysis in Thoracic Injury Before and After Rapid Response Trauma Team Establishment. *The THAI Journal of SURGERY* 2012; 33:7-12.
21. Sripan P, Ngo-Giang-Huong N, **Traisathit P**, et al. Long-term Outcome of Nevirapine or Efavirenz Based Antiretroviral Regimens in Mothers Exposed to Single Dose Nevirapine. *Chiang Mai Journal of Science* 2012; 39(4) : 660-668.
22. Pomprasert S, Chainoi I, **Traisathit P**, et al. Changes of T-cell receptor excision circle in HIV-infected patients with and without opportunistic infections during a year highly active antiretroviral therapy. *Current HIV Research* 2012 Oct 1;10(7):592-6.
23. Chitapanarux I, Tharavichitkul E, **Traisathit P**, et al. Real-World Outcomes of Postmastectomy Treatments in Thai Patients with Positive 1-3 Lymph Nodes Breast Cancer: A Retrospective Study. *Journal of Radiation Research* .2013:1-8
24. Chitapanarux I, Tharavichitkul E, **Traisathit P**, et al. Real- World Outcomes of Different Treatments in the Management of Patients with HER-2 Positive Breast Cancer: A Retrospective Study. *Journal of the Medical Association of Thailand*, 2013 Jun;96(6):709-15.
25. Jourdain G, Le coeur S, Nicole Ngo-Giang-Huong, **Traisathit P**, et al. CD4 Versus Viral Load Monitoring: A Randomized, Non-Inferiority Trial of Treatment Switching Strategies in HIV-Infected Adults in Thailand. *PLOS Medicine*, 2013, 10(8): e1001494. doi:10.1371/journal.pmed.1001494.

Presentations:

1. **Patrinee Sasomsin**, France Mentré, Bertrand Diquet, François Simon, Françoise Brun-Vezinet “Relationship between exposition to zidovudine and decrease of P24 antigenemia”, Joint meeting of French and Italian Societies of Pharmacology, Nantes, France, March 15-17; 1999, Poster presentation.
2. Lee VS, Nimmanpipug P, Chaijaruwanich J, Prasitwattanaseree S, **Traisathit P**. “Medical Bioinformatics and Drug Discovery for Viral Diseases”, US-Thailand Symposium on Biomedical Engineering, Chulalongkon University, Bangkok, December 12-15, 2005, Oral presentation.
3. Lee VS, Nimmanpipug P, Chaijaruwanich J, Prasitwattanaseree S, **Traisathit P**. “Novel Chemometrics Approaches for Flow-Based Analysis”, The Interfaces of Analytical Sciences: Workshop of U.S. and Thai Analytical Scientist, Chiang Mai University, Chiang Mai, Thailand, January 4-8, 2006, Poster presentation.
4. Tue-ngeun P, Lee VS, Nimmanpipug P, Chaijaruwanich J, **Traisathit P**, Prasitwattanaseree S. “Principal Component Analysis of FT-IR Spectroscopy of Thai wines”, 10th Annual National Symposium on Computational Science and Engineering (ANSCSE10), Chiang Mai University, Chiang Mai, Thailand, March 22-24, 2006, Oral presentation.
5. Lee VS, Nimmanpipug P, Chaijaruwanich J, Prasitwattanaseree S, **Traisathit P**. "New Scoring Approach and a System in Structure-based Virtual Screening" TRF Conference, Regent Cha-am Beach Resort, Phetburi, Thailand, October, 2006, Oral presentation.
6. **Traisathit P**, Clinical Epidemiology and Data Management Training, PHPT IRD 174 – Chiang Mai University, GFATM Program, Chonburee, November 9-10, 2006, Oral presentation.
7. Nimmanpipug P, Lee VS, Chaijaruwanich J, Prasitwattanaseree S, **Traisathit P**. Structural Screening of HIV-1 Protease/inhibitor Docking by Non-Parametric Binomial Distribution Test. 1st International Conference on Bioinformatics Research and Development. Berlin, Germany, 12-14, March 2007, Oral presentation.
8. Kamkaew P, **Traisathit P**, Prasitwattanaseree S, Chaijaruwanich J, Nimmanpipug P, Sanghiran Lee V. Prediction of Selective HIV-1 Protease Inhibitors Activities by Partial Least Squares Regression Method. Proceedings in Pure and Applied Chemistry International Conference (PACCON 2008). January 30 - February 1, 2008. Sofitel Centara Grand Bangkok, Bangkok, Thailand, Oral presentation.

9. Prasitwattanaseree S, Inkom J, Sanghiran Lee V, Nimmanpipug P, **Trisathit P**, Chaijaruwanich J. High throughput screening of drug discovery data for anti-HIV-1 drugs by statistical methods. Proceedings in Pure and Applied Chemistry International Conference (PACCON 2008). January 30 - February 1, 2008. Sofitel Centara Grand Bangkok, Bangkok, Thailand, Oral presentation.
10. Sanghiran Lee V, Nimmanpipug P, Prasitwattanaseree S, **Trisathit P**, Chaijaruwanich J. Virtual screening HIV-1 inhibitors from natural products libraries using self-organizing map (SOM). Oral Presentation in Pure and Applied Chemistry International Conference (PACCON 2008). January 30 - February 1, 2008. Sofitel Centara Grand Bangkok, Bangkok, Thailand, Oral presentation.
11. **Trisathit P**, Data Analysis Training, PHPT IRD 174 – Chiang Mai University, GFATM Program, Chiang Mai, March 12-13, 2008, Oral presentation.
12. **Trisathit P**. Effect of antiretroviral therapy on the growth of HIV infected children severely immunocompromised at therapy initiation. Treating People with HIV: Research, Implementation, Public Health” November 24-26, 2008, Chiang Mai, Thailand, Oral presentation.
13. **Trisathit P**, Prasitwattanaseree S, Pokaew P, et al. Factors associated with treatment outcome in new smear positive pulmonary tuberculosis patients among different types of directly observed treatment, short course (DOTS) watcher in Thailand. Joint Meeting of 4th World Conference of the IASC and 6th Conference of the Asian Regional Section of the IASC on Computational Statistics & Data Analysis (IASC2008): December 5-8, 2008. Yokohama, Japan, Poster presentation.
14. Prasitwattanaseree S, **Trisathit P**, Jeerayut Chaijaruwanich J, et al. Flow Injection-Differential Pulse Voltammogram Resolutions for Simultaneous Determination a Binary Mixture of Chlorate and Chlorite by Principle Component and Partial Least Square Regression. Joint Meeting of 4th World Conference of the IASC and 6th Conference of the Asian Regional Section of the IASC on Computational Statistics & Data Analysis (IASC2008): December 5-8, 2008. Yokohama, Japan , Poster presentation.
15. **Trisathit P**, et al. Effect of antiretroviral therapy on the growth of HIV infected children in Thailand. 13th International Workshop on HIV Observational Databases. Lisbon, Portugal. 26-28 March 2009, Poster presentation.
16. **Trisathit P**, Homkham N, Chalermpanmetagul S, et al. Tuberculosis and risk of death within the year following initiation of antiretroviral therapy in children. 12th National AIDS conference. Bangkok. 27-29 May 2009, Oral presentation.
17. **Trisathit P**, Jourdain G, Le Cœur S, et al. Growth of HIV infected children on antiretroviral therapy in Thailand: 2 years follow-up”. The 1st International workshop on HIV Pediatrics: Cape Town, South Africa on the 17th and 18th of July 2009, Poster presentation.
18. Jourdain G, Le Cœur S, Ngo-Giang-Huong N, **Trisathit P**, et al. A Comprehensive Program to Ensure Optimal Antiretroviral Treatment in Children in Thailand: the PHPT Observational Cohort. The 1st International workshop on HIV Pediatrics: Cape Town, South Africa on the 17th and 18th of July 2009, Poster presentation.
19. Jourdain G, Hansudewechakul R, **Trisathit P**, et al. Two-year Evolution of Triglycerides and Cholesterol in Thai HIV-1 Infected Children Receiving First-line Nevirapine (NVP) or Efavirenz (EFV) Based Regimen. Conference on Retroviruses and Opportunistic Infections (CROI 2010) February 16-19, 2010, San Francisco, CA, Poster presentation.
20. **Trisathit P**, Homkham N, Chalermpanmetagul S, et al. Tuberculosis and risk of death within one year of antiretroviral therapy initiation in children. 28th Annual Meetings of The European Society for Paediatric Infectious Diseases ESPID 2010, NICE France May, 4-8, 2010, Poster presentation.
21. Boonvijit T, **Trisathit P**, Prasitwattanaseree S. Principal Component Analysis of Profile Volatile Components in Rice Grain. Annual Meeting Statistics and Applied Statistics. Chiang Mai, May 28-29, 2010, Poster presentation.
22. Yasanga N, **Trisathit P**, Prasitwattanaseree S. Identification of Backward Trajectory Air Transport Patterns to Chiang Mai and Bangkok Using Cluster Analysis. Annual Meeting Statistics and Applied Statistics. Chiang Mai, May 28-29, 2010, Poster presentation.
23. Suriyawong P, Chaijaruwanich J, **Trisathit P**, Prasitwattanaseree S. Statistical Analysis of Differential Gene Expression in Hepatoma Cell Line (HepG2) exposed to Heavy Metals and Silver Nanoparticles. Annual Meeting Statistics and Applied Statistics. Chiang Mai, May 28-29, 2010, Oral presentation.

24. Jourdain G, Giang-Huong NN, Le Cœur S, **Traisaitthit P**, et al. PHPT-3: A Randomized Clinical Trial Comparing CD4 versus Viral Load (VL) Antiretroviral Therapy Monitoring/Switching Strategies in Thailand. Conference on Retroviruses and Opportunistic Infections (CROI 2011) February 27- Mars 2 2011, Boston, Poster presentation.
25. Homkham N, Jourdain G, **Traisaitthit P**, et al. Two-year Evolution of Triglycerides and Cholesterol in Thai HIV-1 Infected Children Receiving First-line Nevirapine (NVP) or Efavirenz (EFV) Based Regimen. 13th National AIDS conference. Bangkok. 29-31 March 2011, Oral presentation.
26. Sripun P, Jourdain G, **Traisaitthit P**, et al. Five Years Virologic Outcome in Mother who Received Previously Simplified Regimens for the Prevention of Perinatal HIV in the PHPT cohort. 13th National AIDS conference. Bangkok. 29-31 March 2011, Poster presentation.
27. Briand N, **Traisaitthit P**, et al. Hematological safety of perinatal exposure to zidovudine in uninfected infants born to HIV type 1-infected women in Thailand. 13th National AIDS conference. Bangkok. 29-31 March 2011, Poster presentation.
28. Sripun P, Ngo-Giang-Huong N, **Traisaitthit P**, et al. Five Years Virologic Outcome to Nevirapine or Efavirenz Based Regimen in Mothers who Previously Received a Single Dose Nevirapine for the Prevention of Perinatal HIV and had a Satisfactory Virologic Response at 6 Months. IPST Poster presentation.
29. Homkham N, Jourdain G, **Traisaitthit P**, et al. Association between Hyperlipidemia and High Plasma Efavirenz Levels in Children in the PHPT Observational Cohort, Thailand. 3rd International Workshop on HIV Pediatrics, 15 – 16 July 2011, Rome, Italy, Poster presentation.
30. Chittawatanarat K, Ditsatham C, **Traisaitthit P**, et al. Characters of mortality and time series analysis in thoracic injury before and after rapid response trauma team establishment. 36th Annual Scientific Meeting of the Royal College of Surgeons of Thailand (RCST) 14th to 17th July 2011, Pattaya, Thailand, Oral presentation.
31. Kunawararak P, Chantawong S, **Traisaitthit P**, et al. Effectiveness of DOTS-Plus Strategy with Mobile-phone Communication to Reduce Prevalence of MDR-TB in Northern Thailand, 10th International Congress of AIDS in Asia and the Pacific, 26-30 August 2011, Busan, Republic of Korea, Oral presentation.
32. Kunawararak P, Pongpanich S, **Traisaitthit P**, et al. Cost-efficacy ; A comparative study of MDR-TB case management with health volunteer and health facility base model versus health facility base and mobile phone communication by DOTS-plus strategy in upper north of Thailand, 10th International Congress of AIDS in Asia and the Pacific, 26-30 August 2011, Busan, Republic of Korea, Oral presentation.
33. Suaysod R, Harrison L, **Traisaitthit P**, et al. Virologic outcome of second-line antiretroviral therapy in Thailand. 4th International Workshop on HIV Pediatrics 20–21 July 2012, Washington DC, USA, Poster presentation.
34. Thipmanee N, Lawapakull P, **Traisaitthit P**, et al. A Preliminary Identification of Cervical Cancer Genes in Northern Thai Patients. 11th International Conference on Bioinformatics. October 3 – 5, 2012 Centara Grand, Central Plaza Ladprao, Bangkok, Thailand, Poster presentation.
35. Suaysod R, Nicole.Ngo-Giang-Huong, **Traisaitthit P**, et al. Failure in HIV-1 infected children on second-line antiretroviral treatment in Thailand. The 5th International Workshop on HIV Pediatrics on 28-29 June 2013, Kuala Lumpur, Malaysia.
36. Suaysod R, Nicole.Ngo-Giang-Huong, **Traisaitthit P**, et al. Failure in HIV-1 infected children on second-line antiretroviral treatment in Thailand. The 7th IAS Conference on HIV Pathogenesis, Treatment and Prevention (IAS 2013), Kuala Lumpur, Malaysia, 30 June - 3 July 2013.

Academic Papers

1. ภัทรินี ไตรสถิตย์ สุรินทร์ ขนานศักดิ์, ความสัมพันธ์ระหว่างวิชาที่ใช้สอบคัดเลือกเข้าศึกษาต่อกับผลสัมฤทธิ์ทางการเรียนในมหาวิทยาลัย กรณีศึกษาการสอบคัดเลือกนักเรียนในเขตพัฒนาภาคเหนือเพื่อเข้าศึกษาต่อคณะวิทยาศาสตร์ มหาวิทยาลัยเชียงใหม่, วารสารวิทยาศาสตร์ ฉบับเดือนมกราคม-กุมภาพันธ์ 2556.
2. ภัทรินี ไตรสถิตย์ สุรินทร์ ขนานศักดิ์ จากความน่าจะเป็นสู่ค่าคาดหวัง วารสารคณิตศาสตร์ ปริมา 58 ฉบับที่ 656-658 พฤษภาคม-กรกฎาคม 2556
3. ภัทรินี ไตรสถิตย์ สุรินทร์ ขนานศักดิ์ ค่าคาดหวังของผลตอบแทนสุทธิจากการเล่นหวยใต้ดิน วารสารวิทยาศาสตร์ บุรพาปีที่ 19 ฉบับที่ 1 ฉบับเดือนมกราคม-มิถุนายน 2557.