

Curriculum Vitae

Name : Assistant Professor Dr. Doungjai Buntup
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Education:

B.Sc. (Nursing) : Chiang Mai University (1995-1997)
M.Sc. (Neuroscience) : Mahidol University (1998-2001)
Ph.D. (Neuroscience) : Mahidol University (2002-2008)

Academic career:

2005 – 2006 Lecturer, National Institute for Child and Family Development, Mahidol University
2008 – Present Lecturer, ASEAN Institute for Health Development, Mahidol University

Interesting Fields:

Drugs addiction, Behavior addiction, molecular neuroscience, Aging

Publications

1. Hong SA, **Buntup D**. Maternal Depression during Pregnancy and Postpartum Period among the Association of Southeast Asian Nations (ASEAN) Countries: A Scoping Review. *International Journal of Environmental Research and Public Health*. 2023; 20(6):5023. <https://doi.org/10.3390/ijerph20065023>
2. Lemp JM, Pengpid S, **Buntup D**, Bärnighausen TW, Geldsetzer P, Peltzer K, Rehm J, Sornpaisarn B, Probst C. Addressing alcohol use among blood pressure patients in Thai primary care: Lessons from a survey-based stakeholder consultation, *Preventive Medicine Reports*, Volume 29, 2022,101954,ISSN 2211-3355, <https://doi.org/10.1016/j.pmedr.2022.101954>.
3. Tiraphat S, Kasemsup V, **Buntup D**, Munisamy M, Nguyen TH, Hpone Myint A. Active Aging in ASEAN Countries: Influences from Age-Friendly Environments, Lifestyles, and Socio-Demographic Factors. *Int J Environ Res Public Health*. 2021 Aug 5;18(16):8290. doi: 10.3390/ijerph18168290. PMID: 34444040; PMCID: PMC8391192.
4. Sariyamon Tiraphat, **Doungjai Buntup**, Murallitharan Munisamy, Thang Huu Nguyen, Motoyuki Yuasa, Myo Nyein Aung and Aung Hpone Myint. (2020) Age-Friendly Environments in ASEAN Plus Three: Case Studies from Japan, Malaysia, Myanmar, Vietnam, and Thailand. *International Journal of Environmental Research and Public Health*. 17(12),4523; <https://doi.org/10.3390/ijerph17124523>
5. **Doungjai Buntup** and Jiraporn Chompikul (2019) Factors affecting compliance with the Non-Smokers' Health Protection Act B.E.2535: A Case Study of Taxi Cars. *Journal of Public Health and Development* 17(3): 1-12.
6. Jatuporn Namyen, **Doungjai Buntup**, Nanthawat Sitdhiraksa, Piyarat Govitrapong (2017) Association Analysis of Genetic Variants of the Serotonin and Dopamine System-regulated Genes with Methamphetamine Abusers. *Applied Clinical Research, Clinical Trials and Regulatory Affairs* 4: 195-205.

7. Pathamaporn Tiengladdawong, Chortip Santhanavanit, Shayanisawa Kulrattanamaneeporn and **Doungjai Buntup**. (2014) Relationship among knowledge and attitude toward practice and behavior of caffeine consumption in pregnant Thai women. *Journal of Demography* 30(2): 1-18.
8. Sukonthawan Suwanrungsri and **Doungjai Buntup**. (2013) Self-esteem, self-monitoring and problematic mobile phone uses of Thai youth. *Quantity of life and law journal* 9(1): 190-201.
9. Maneerat Rongthong, **Doungjai Buntup** and Jiraporn Chompikul (2013) Association between consumption of social drug and coronary artery disease among patients at Kasamrad Prachachuen hospital, Bangkok. *Journal of Public Health and Development* 11(3): 3-12.
10. Namyen, J., **Buntup, D.**, Sitdhiraksa, N., Prapunpoj, V., Govitrapong, P. (2010) Association of the 5-HTTLPR polymorphism in Thai amphetamine users. *Journal of Neurochemistry* 115(1): **83-83**.
11. **Doungjai Buntup**, Anek Chayasadam, Rudee Surarit, Nuanchan Jutapakdeegul, Wipawan Thangnipon. (2009) Effects of amyloid- β peptide on glutamine transporter mRNA expression and cell viability in cultured rat cortical cells. *ScienceAsia* 35; 156-160.
12. Monica Jenstad, Abrar Z. Quasi, Misha Zilberter, Camilla Haglerød, Paul Berghuis, Navida Saddique, Michel Goiny, **Doungjai Buntup**, Ole Petter Ottersen, Svend Davanger, Finn-Mogens S. Haug, Carol A. Barnes, Bruce L. McNaughton, Jon Storm- Mathisen, Tibor Harkany, Farrukh A. Chaudhry. (2009) System A transporter SAT2 mediates replenishment of dendritic glutamate pools controlling retrograde signalling by glutamate. *Cerebral cortex* 19(5); 1092-106.
13. **Doungjai Buntup**, Øivind Skare, Tom Tallak Solbu, Farrukh A. Chaudhry, Jon Storm- Mathisen, Wipawan Thangnipon. (2008) β -Amyloid 25-35 Peptide Reduces the Expression of Glutamine Transporter SAT1 in Cultured Cortical Neurons. *Neurochemical Research* 33; 248-256.
14. **Buntup D.**, Petmitr S., Wongkhajornsilp A., Chanyavanich V., Sangruji T., Theerapuncharone V., Kotchabhadi N., Jutapakdeegul N., Hayashi K. and Thangnipon W. (2002) Mutational analysis of the *PTEN* gene localized at chromosome 10q23 in Thai patients with gliomas. *ScienceAsia* 28(4); 417- 422.

List of Abstracts

1. **Buntup D.**, Petmitr S., Wongkhajornsilp A., Chanyavanich V., Sangruji T., Theerapuncharone V., Jutapakdeegul N., Hayashi K. and Thangnipon W. Analysis of *PTEN* tumor suppressor gene mutations in primary gliomas and short-term cultures of malignant gliomas. Programme and Abstracts 26th Congress on Science and Technology of Thailand. Bangkok Thailand, October 18-20, 2000. (poster presentation)
2. **Buntup D.**, Petmitr S., Wongkhajornsilp A., Chanyavanich V., Sangruji T., Theerapuncharone V., Jutapakdeegul N., Hayashi K. and Thangnipon W. Tumor suppressor gene mutations in primary gliomas and short-term cultures of malignant gliomas. Programme and Abstracts Joint Meeting of the ANS and APSN, Brisbane Australian January 28-31, 2001. (poster presentation)
3. **Buntup D.**, Petmitr S., Wongkhajornsilp A., Chanyavanich V., Sangruji T., Theerapuncharone V., Jutapakdeegul N., Hayashi K. and Thangnipon W. Tumor Suppressor Gene Mutations in Primary Gliomas and Short-term Cultures of Malignant Gliomas. Programme and Abstracts Second National Symposium on Graduate Research (GRS-II). Faculty of Science Mahidol university, April 26-27, 2001. (poster presentation)
4. **Buntup D.**, Petmitr S., Wongkhajornsilp A., Chanyavanich V., Sangruji T., Theerapuncharone V., Jutapakdeegul N., Hayashi K. and Thangnipon W. Analysis of *p53* tumor suppressor gene mutations in primary gliomas and short-term cultures of malignant gliomas. Programme and Abstracts The 3rd FAONS Congress, Seoul, Korea

- September 28th – October 1st, 2002. (poster presentation)
5. **Doungjai Buntup**, Wipawan Thangnipon, Tom Tallak Solbu, Farrukh A. Chaudhry, Jon Storm-Mathisen. Effects of β - amyloid 25-35 on the expression of glutamine transporters and vesicular glutamate transporters in rat cortical cell cultures. 20th Biennial Meeting of the International Society for Neurochemistry and the European Society for Neurochemistry, Innsbruck, Austria, 21-26 August 2005.
 6. **Doungjai Buntup**, Wipawan Thangnipon, Tom Tallak Solbu, Farrukh A. Chaudhry, Storm-Mathisen. Plasmalemmal glutamine transporters and vesicular glutamate transporters in rat cortical cell cultures exposed to β -amyloid peptide. 31st Congress on Science and Technology of Thailand (STT 2005), Technopolis, Suranaree University of Technology, Nakhon Ratchasima 18–20 October 2005
 7. Areechun Sothibundhu, **Doungjai Buntup**, Bamroong Munyoo, Patoomratana Tuchinda, Yoo-Hun Suh. N-trans Feruloyltyramine extracted from *Polyyalthia Suberosa* prevents neurotoxicity of CT105 in rat cortical cell cultures. 31st Congress on Science and Technology of Thailand (STT 2005), Technopolis, Suranaree University of Technology, Nakhon Ratchasima 18–20 October 2005
 8. **Doungjai Buntup**, Wipawan Thangnipon, Tom Tallak Solbu, Farrukh A. Chaudhry, Jon Storm-Mathisen. Effects of amyloid- β 25-35 on glutamate- glutamine cycle in rat cortical cell cultures. 5th Meeting of Science and Technology, Institute of Science and Technology for Research and Development, Mahidol University, Salaya 30 November-1 December 2005.
 9. **D. Buntup**, W. Thangnipon, T.T. Solbu, F.A. Chaudhry, J. Storm- Mathisen Amyloid- β peptide reduces expression of glutamine transporters in rat cortical cell cultures. CINP Asia Pacific Regional Meeting, Pattaya, Thailand 14-17 March 2006.
 10. **Doungjai Buntup**, Wipawan Thangnipon, Tom Tallak Solbu, Farrukh A. Chaudhry, Jon Storm-Mathisen. Amyloid- β peptide 25-35 induces neurotoxicity in rat cortical cell cultures. 6th Meeting of Science and Technology, Institute of Science and Technology for Research and Development, Mahidol University, Salaya 28-30 November 2006.
 11. **Doungjai Buntup**, Wipawan Thangnipon, Tom Tallak Solbu, Farrukh A. Chaudhry, Jon Storm-Mathisen. Glutamine transporters depressed by amyloid beta-peptide 25-35 in rat cortical cell cultures. RGJ-PH.D. Congress VIII, Pattaya, Thailand 20-22 April 2006.
 12. Narakorn Wongsing, **Doungjai Buntup**, Sutthida Chuanwan, Prapapun Chucharoen. Examine of gateway theory in female drugs addict patient. 2nd ASEAN plus three Graduate Congress, 5-7 February 2014, Sukhumvit Hotel, Bangkok, Thailand.
 13. Chaidan Jumnonkul, Aroonsri Mongkolchati, **Doungjai Buntup** and Cheerawit Rattanapan. Factors Affecting Sugar Addiction Behavior among High School Student in Kanchanaburi Province, Thailand. 34th The IIER International Conference, 19th August 2015, Singapore
 14. Jipattra Manyardaon, **Doungjai Buntup**, Prapapun Chucharoen and Pichai Saengcharnchai. The effectiveness of brief counseling in alcohol with depression. The 1st APACPH Bangkok Region Conference and The 8th International Public Health Conference. May 25-26, 2017. Faculty of Public Health, Mahidol University, Bangkok, Thailand
 15. **Somporn tip Sriyam**, Doungjai Buntup, Kannika Permpoonputtana, Prapapun Chucharoen and Piyarat Govitrapong. Alteration of cognitive function in methamphetamine abusers. 31st International congress of psychology, July 24-29, 2016, Japan. (poster presentation)
 16. **Panida Mongkolswat**, Doungjai Buntup, Jutatip Sillabutra. Intention to drug and substance

avoidance in Student grade 7th Bangkok metho-politance school. The 1th National Public Health Research Conference School of Public Health Walailak University Nakhon Si Thammarat. March 26, 2018. (poster presentation/proceeding)

17. **Sriyaem S.**, Buntup D., Permpoonputtana K., Govitrapong P. Cognitive impairment of METH-dependent patients screened with Mini-Mental State Examination (MMSE) in Thai population. The 1th National Public Health Research Conference School of Public Health Walailak University Nakhon Si Thammarat. March 26, 2018. (oral presentation/proceeding)
18. **Srisaowan S.**, Hongkraitert N., Buntup D. Psychosocial Factors Influencing the Intention to Drugs Abstinence among Juveniles at Tulakarn Chalermprakiat Hospital. The 1th National Public Health Research Conference School of Public Health Walailak University Nakhon Si Thammarat. March 26, 2018. (oral presentation/proceeding)
19. **Doungjai Buntup** and Jiraporn chompikul. Effectiveness of “Non-smokers health protection act B.E. 2535” in taxi . July 9-10, 2018, Miracle grand Hotel, Bangkok, Thailand (poster presentation)

Scholarships

- 2001 : Student Travel Award, Joint Meeting ANS/APSN 2001, Brisbane, Australia
- 2002 : The IBRO APRC Travel Fellowship, The 3rd FAONS Congress 2002, Seoul, Korea
- 2005 : ISN travel award, 20th Biennial Meeting of the International Society for Neurochemistry and the European Society for Neurochemistry, Innsbruck, Austria

Research Grants

Title : **Tumor suppressor gene mutations in primary gliomas and short-term cultures of malignant gliomas.** Supported by the Mahidol Research Grant, Mahidol University.

Title : **Effects of A β 25-35 on amino acid neurotransmitters in rat cortical cell cultures.** Supported by the Thailand Research Fund through the Royal Golden Jubilee Ph.D. Program (Grant No. PHD/0230/2545) and Norwegian Research Council.

Title : **The study of glutamate in methamphetamine abuse.** Supported by the Mahidol Research Grant, Mahidol University.

Title : **Amphetamines induce neurodegeneration by induction of neuroinflammation and inhibition of neurogenesis.** Supported by the Mahidol University Grant for Goal - oriented Research Project and Grant for Collaborative Research Project of Mahidol University, Mahidol University.

Title : **Project evaluation and lessons learned for the prevention and drugs problem solving in the Community.** Supported by Health Department, Bangkok Metropolitan Administration.

Title : **Effect of Amphetamine type stimulants exposure on cognitive in patients: a case study in life-long outcome.** Supported by Budget of the Thailand government for fiscal years 2019.

Award

2nd prize poster award, CINP Asia-Pacific regional meeting, March 14th-17th, 2006 Pattaya, Thailand.
