

## Curriculum Vita:

**Name:** Wijit Banlunara

**Title:** Associate Professor

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### Education:

|                                     |            |                                                                                         |
|-------------------------------------|------------|-----------------------------------------------------------------------------------------|
| Post-doctoral Program               | 1999-2000  | Graduate School of Agriculture and Life Sciences, The University of Tokyo, Tokyo, Japan |
| Ph.D. (Veterinary Medical Sciences) | 1993 -1997 | Graduate School of Agriculture and Life Sciences, The University of Tokyo, Tokyo, Japan |
| D.V.M.                              | 1986 -1992 | Chulalongkorn University, Bangkok, Thailand                                             |

### Professional positions:

- 1992-1993 Instructor, Department of Veterinary Pathology, Faculty of Veterinary Science, Chulalongkorn University, Bangkok, Thailand 10330
- 1993-1997, Japanese Government Scholar (Monbusho), Dept. of Vet. Pathol., Graduate School of Agriculture and Life Sciences, The University of Tokyo, Tokyo, Japan
- 1999-2000 Post-doctoral Researcher at Graduate School of Agriculture and Life Sciences, The University of Tokyo, Tokyo, Japan
- 2000-2003, Assistant Professor, Department of Veterinary Pathology, Faculty of Veterinary Science, Chulalongkorn University, Bangkok, Thailand 10330
- 2003- present Associate Professor, Department of Veterinary Pathology, Faculty of Veterinary Science, Chulalongkorn University, Bangkok, Thailand 10330
- 2003-2005 Associate Dean of Research Affairs, Faculty of Veterinary Science, Chulalongkorn University, Bangkok, Thailand 10330
- 2003-2007 Editor-in-chief of The Journal of Thai Veterinary Practitioners, The Veterinary Practitioners Association of Thailand
- 2008-present Editorial board, Journal of Toxicologic Pathology, The Japanese Society of Toxicologic Pathology
- 2009-present, Head of Veterinary Pathology Unit, Department of Veterinary Pathology, Faculty of Veterinary Science, Chulalongkorn University, Bangkok, Thailand 10330

### **PROFESSIONAL SOCIETY MEMBERSHIP:**

- 1993-Present      The Thai Veterinary Medical Association Under Royal Patronage (TVMA)
- 1993-Present      The Veterinary Practitioner Association of Thailand (VPAT)
- 1993-Present      The Thai Veterinary Pathology Association
- 1998-present      Old Japan Students Association Under The Patronage Of His Majesty The King
- 1998-present      The Medical Science Society, Old Japan Students
- 2000-present      The Japanese Society of Veterinary Science (JVMS)
- 2000-present      The Toxicological Society of Thailand
- 2001-Present      Thai Association of Veterinary Laboratory Diagnosticians

### **Honor and other distinctions:**

- Young investigators award , American College of Veterinary Pathologists (ACVP) Annual Meeting of 1996, Seattle, Washington, USA.

### **Publications (1996...):**

1. Nakamura S., Nakayama H., **Kiatipattanasakul W.**, Uetsuka K., Uchida K. and Goto N. 1996. Senile plaques in very aged cats. *Acta Neuropathol.* 91:437-439.
2. Nakamura S., **Kiatipattanasakul W.**, Nakayama H., Ono F., Sakakibara I., Yoshikawa Y., Goto N. and Doi K. 1996. Immunohistochemical studies on the deposition of apolipoprotein E in the cerebral and islet amyloidosis in cynomolgus monkeys. *Exp. Amin.* (Tokyo) 45:199-204.
3. Nakamura S., **Kiatipattanasakul W.**, Nakayama H., Ono F., Sakakibara I., Yoshikawa Y., Goto N. and Doi K. 1996. Immunohistochemical characteristics of constituents of senile plaques and amyloid angiopathy in aged cynomolgus monkeys. *J. Med. Primatol.* 25: 294-300.
4. **Kiatipattanasakul W.**, Nakamura S., Hossain M.M., Nakayama H., Uchino T., Shumiya S., Goto N. and Doi K. 1996. Apoptosis in the aged dog brain. *Acta Neuropathol.* 92:242-248.
5. Hossain M.M., Nakayama H., **Kiatipattanasakul W.**, Uetsuka K. and Doi K. 1996. Visceral form of mastocytoma in a dog. *Bangladesh Vet. J.* (1-2): 67-71.
6. Suzuki H., **Kiatipattanasakul W.**, Kajikawa S., Tsutsui S. Nakayama, H., Goto N. and Doi K. 1997. Age-related changes in susceptibility of mice to low-virulent mouse hepatitis virus(MHV-2CC) infection. *Exp. Anim.* 46(3):211-218.
7. Shinozuka J., Li GW., **Kiatipattanasakul W.**, Uetsuka K., Nakayama H. and Doi K. 1997. T-2 toxin-induced apoptosis in lymphoid organs of mice. *Exp. Toxic. Pathol.* 49:387-392.
8. Bintvihok A., **Kiatipattanasakul W.** and Doi K. 1997. Acute toxicity of aflatoxin B1 in three domestic fowls. *J. Toxicol. Pathol.* 10:149-152.
9. Kuroki K., Uchida K., **Kiatipattanasakul W.**, Nakamura S., Yamaguchi R., Nakayama H., Doi K. and Tateyama S. 1997. Immunohistochemical detection of tau protein in various non-human animal brains. *Neuropathology* 17:174-180.
10. **Kiatipattanasakul W.**, Nakamura S., Kuroki K., Nakayama H. and Doi K. 1997. Immunohistochemical detection of anti-oxidative stress enzymes in dog brains of various ages. *Neuropathology* 17:307-312.
11. Nakamura S., Tamaoka A., Sawamura N., **Kiatipattanasakul W.**, Nakayama H., Shoji S., Yoshikawa Y. and Doi K. 1997. Deposition of amyloid  $\beta$  protein (A $\beta$ ) subtype [A $\beta$ 40 and A $\beta$ 42(43)] in canine senile plaques and cerebral amyloid angiopathy. *Acta Neuropathol.* 94:323-328.
12. **Kiatipattanasakul W.**, Nakayama H., Nakamura S. and Doi K. 1998. Lectin histochemistry in the aged dog brain. *Acta Neuropathol.* 95:261-268.
13. Tantilertcharoen R., **Kiatipattanasakul W.** and Thanawongnuwech R. 1999. A report of circovirus infection in pigs in Thailand. *Thai J. of Vet. Med.* 29(3):73-83.
14. Phonsuwan A., **Kiatipattanasakul W.**, Kongchanpart C., Sopsinsunthorn S. and Prompakdee J. 2000. Disseminative form of transmissible venereal granuloma in a puppy: a case report. *J. Thai Vet. Pract.* 12(3-4):31-39.
15. **Kiatipattanasakul W.**, Nakayama H., Yongsiri S., Chotiapisitkul S., Nakamura S., Kojima H. and Doi K. 2000. Abnormal neuronal and glial argyrophilic fibrillary

structures in the brain of an aged albino cynomolgus monkey (*Macaca fascicularis*). *Acta Neuropathol.* 100 (5):580-586.

16. Katayama K., Ishikami N., Suzuki M., Ohtsuka R., **Kiatipattanasakul W.**, Nakayama H. and Doi K. 2000. Teratologic studies on rat perinates and offspring from dams treated with ethylnitrosourea (ENU). *Exp. Anim.* 49(3): 181-187.
17. Nakayama H., **Kiatipattanasakul W.**, Nakamura S., Miyawaki K., Kikuta F., Uchida K., Kuroki K., Makifuchi T., Yoshikawa Y. and Doi K. 2001. Fractal analysis of senile plaques observed in various animal species. *Neurosci. Lett.* 297:195-198.
18. Nettubtim J., Comtansombut N., Torasamee T., Pusoonthornthum R. and **Kiatipattanasakul W.** 2001. Apocrine adenocarcinoma of anal sac gland in Cocker Spaniel: a case report. *J. Thai Vet. Pract.* 13(1):37-47.
19. **Kiatipattanasakul W.** 2001. Microsporidiosis. *J. Thai Vet. Pract.* 13(2):21-35.
20. Pirarat N., **Kiatipattanasakul W.**, Tharasanit T., Rittruechai P., Une U. and Nomura Y. 2001. The detection of equine herpesvirus antigen in an aborted foal using immunohistochemistry; a case report. *Thai J. Vet. Med.* 31(1):57-62.
21. **Kiatipattanasakul-Banlunara W.** Tantilertcharoen R., Katayama K., Suzuki K., Lekdumrongsak T., Nakayama H. and Doi K. 2002. Psittacine beak and feather disease in three captive sulphur-crested cockatoos (*Cacatua galerita*) in Thailand. *J. Vet. Med. Sci.* 64(6): 527-529.
22. **Kiatipattanasakul-Banlunara W.** Tantilertcharoen R., Suzuki K., Albarenque S. M., Thanawongnuwech R., Nakayama H. and Doi K. 2002. Detection of porcine circovirus (PCV2) DNA by nested PCR from formalin-fixed tissues of post-weaning multisystemic wasting syndrome (PMWS) pigs in Thailand. *J. Vet. Med. Sci.* 64(5): 449-452.
23. Pirarat N., **Banlunara W.**, Une U. and Nomura Y. 2002. Rabies in a deer. *J. Thai Vet. Med. Assoc.* 53(1): 63-68.
24. **Banlunara W.**, Kedsangsakonwut S. and Kaewamatawong 2002. Pathological study of Encephalitozoonosis in rabbits. *J. Thai Vet. Pract.* 14(1): 21-32.
25. Poapolathep A., Ohtsuka R., **Kiatipattanasakul W.**, Ishigami N., Nakayama H. and Doi K. 2002. Nivalenol-induced apoptosis in thymus, spleen and Peyer's patches of mice. *Exp. Toxicol. Pathol.* 53: 441-446.
26. Bintvihok A., **Banlunara W.**, and Kaewamatawong T. 2002. Aflatoxin detoxification by esterified glucomannan in ducklings. *Thai J. Health Res.* 16(2): 135-148.
27. Pirarat N., Chijiwa K., Rittruechai P., Kedsangsakonwut S., Teankum K., **Banlunara W.**, Rungsipipat R. and Sunyasutjaree B. 2002. Pituitary adenoma in a horse: a case report. *J. Thai Vet. Med. Assoc.* 32(4): 79-84.
28. Kedsangsakonwut S., Rungsipipat A., Pirarat N., Teankum K., **Banlunara W.** 2003. Recurrence and metastases of a basal cell carcinoma in a variable squirrel (*Callosciurus finlaysoni floweri*): a case report. *Thai J. Vet. Med.* 33(4): 103-107.
29. Kyaw T., Virakul P., Muangyai M. and **Banlunara W.** 2003. First identification of *Neospora caninum* in Thailand. *Thai J. Vet. Med.* 33(4): 97-102.
30. **Banlunara W.**, Tantileartcharoen R., Lekdumrongsak T., Chumpolkulwong Youngsuksataporn P., Ngow K. and Kedsangsakonwut S. 2005. The incidence of psittacine beak and feather disease (PBFD) in the psittacine birds. *Thai J. Vet. Med.* 35(1): 47-56

31. **Banlunara W.**, Bintvihok A. and Kumagai S. 2005. Immunohistochemical study of proliferating cell nuclear antigen (PCNA) in duckling liver fed with aflatoxin B1 and esterified glucomannan. *Toxicon*. 46 (2005) 954–957.
32. Jittaprasatsin W., **Banlunara W.**, Sommitr D., Patanachai M. and Yibchok-anan S. 2005. Subacute effects of *Coscinium fenestratum* ethanol extract on blood glucose level, lipid profiles and blood chemistry in normal and Streptozotocin-induced diabetic rats. *Thai J. Pharmacol*. 27(2-3) :109-120.
33. Teankum K., Tantilertcharoen R., Boonserm T., Suadsong S. and **Banlunara W.** 2006. Malignant catarrhal fever in swamp buffaloes (*Bubalus bubalis*): a retrospective pathological study of outbreaks in Thailand. *Thai J. Vet. Med.* 36(1): 19-30.
34. Ninvilai P., Chawalitapar N., Phayakkabuttra P., Tantilertchareon R., Pakpinyo S., **Banlunara W.** and Lekdumrongsak T. . 2006. Surveillance of Mycoplasma and bacterial infection of upper respiratory tract and eyes in petbirds. . *J. Thai Vet. Pract.* 18 (1):25-33.
35. Komin K. and **Banlunara W.** 2006. An esophageal diverticulum in a pomeranian dog. *J. Thai Vet. Pract.* 19(4):59-68.
36. Monhaphol T., Yibchok-anun S., **Banlunara W.**, Wittayasuporn M., Palaga T., Asawanonda P., Wanichweacharungruang S. 2008. Cytotoxicity, acute oral toxicity, and skin irritation of 2-ethylhexyl-2,4,5-trimethoxycinnamate and di(2-ethylhexyl)-2,4,5-trimethoxybenzalmalonate. *Drug and Chemical Toxicology*, 31:2, 289 – 301.
37. Jettanacheawchankit S., Sasithanasate S., Sangvanich P., **Banlunara W.**, and Thunyakitpisal P. 2009. Acemannan stimulates gingival fibroblast proliferation; expressions of keratinocyte growth factor-1, vascular endothelial growth factor, and type I collagen; and wound healing. *J. Pharmacol. Sci.* 109, 525 – 531.
38. Kaewamatawong T., Shimada, A., Morita, T., **Banlunara, W.**, and Bintvihok, A. 2009. Acute and subacute pulmonary effects of diesel exhaust particles in mice: pathological changes and translocation pathways to the circulation. *Thai J. Vet. Med.*, 39(4): 311-318.
39. Pikulkaew S., Meeyam T., and **Banlunara W.** 2009. The outbreak of koi herpesvirus (KHV) in koi (*Cyprinus carpio koi*) from Chiang Mai province, Thailand. *Thai J. Vet. Med.* 39(1): 53-58.
40. Kaewamatawong T., **Banlunara W.**, Wangrattanaparanee V., Kiertkrittikhon S. 2010. Clinical, radiographic and pathological features of persistent gastroesophageal intussusception in an adult dog: a case report. *Thai J. Vet. Med.* 40(2):221-225.
41. Jittapiromsak, N., Sahawat, D., **Banlunara, W.**, Sangvanich, P., Thunyakitpisal, P. 2010. Acemannan, an extracted product from *Aloe vera*, stimulates dental pulp cell proliferation, differentiation, mineralization, and dentin formation. *Tissue Engineering Part A*. 16(6): 1997-2006.

### **Book Chapters:**

1. **Kiatipattanasakul W.**, Nakayama H., Nakamura S. and Doi K. 2000. Neuropathological changes and dementia-like disorders in aged dogs. In: Vienna Aging Series. Vol. 6 :Current Concepts in Experimental Gerontology. C. Bertoni-Freddari and H. Niedermueller (eds.) Austria: Facultas Verlags-und Buchhandels AG. 337-341.
2. Thanawongnuwech R. and Banlunara W. 2002. PMWS and PCV2 diseases: brief epidemiological updates from all over the world. In: Merial White Book; PMWS and PCV2 disease: beyond the debate. IPVS 2002, Ames, Iowa, USA. p. 73.
3. วิจิตร บรรณนรา 2550 (2007) ใน: ไขหวัจนก: พลิกสถานการณ์ด้วยความรู้ (Avian influenza: understand the situation with knowledge), edited by Vongthawatchai et al., V print company, Bangkok ISBN 978-974-03-1893-4 หน้า 85-94.

### **Books:**

1. ชวัช เล็กดำรงศักดิ์ ราชภู ตันติเลิศเจริญ วิจิตร บรรณนรา 2547 (2004) การดูแลสุขภาพและโรคสำคัญในนกสวยงาม. โรงพิมพ์ศิรินสาร 172 หน้า ISBN 974-13-3063-4.

### **Patent:**

1. Supason Wanichweacharungrueng, Thitinun Monhaphol, **Wijit Banlunara** and Pravitt Asawanonda, Japan Patent : “Novel UV Filter” Application Number:2005-355688 Application Date: 9 December 2005

### **Interests:**

1. Animal infectious diseases. Search and identification of emerging and re-emerging infectious agents and their components by light & electron microscopy, immunohistochemistry and molecular biology techniques.
2. Animal cytology and tumor diagnostics.
3. Toxicopathology of the natural products and the nanoparticles on the animal model and the study of the useful of their agents for the human and animal life.

### **Research description:**

1. Investigation and identification of the emerging and re-emerging infectious agents and the report of the rare cases of animal diseases.
2. The study of the natural products; herbal and traditional plants and nanoparticles in the animal model on the toxicopathology and safety testing as well as the mechanisms of the toxic or the additional effects.