

## เอกสารอ้างอิง

- Aketagawa, J., Miyata, T., Ohtsubo, S., Nakamura, T., Morita, T., Hayashida, H., Miyata, T., Iwanaga, S., Takao, T. & Shimonishi, Y. (1986). Primary structure of limulus anticoagulant anti-lipopolysaccharide factor. *J Biol Chem* **261**, 7357-7365.
- Amparyup, P., Kondo, H., Hirono, I., Aoki, T. & Tassanakajon, A. (2008). Molecular cloning, genomic organization and recombinant expression of a crustin-like antimicrobial peptide from black tiger shrimp *Penaeus monodon*. *Mol Immunol* **45**, 1085-1093.
- Assavalapsakul, W., Tirasophon, W. & Panyim, S. (2005). Antiserum to the gp116 glycoprotein of yellow head virus neutralizes infectivity in primary lymphoid organ cells of *Penaeus monodon*. *Dis Aquat Organ* **63**, 85-88.
- Bonami, J. R., Mahy, B. W. J. & Regenmortel, M. H. V. v. (2008). Shrimp Viruses. In *Encyclopedia of Virology*, pp. 567-576. Oxford: Academic Press.
- Carriel-Gomes, M. C., Kratz, J. M., Barracco, M. A., Bachère, E., Barardi, C. R. M. & Simões, C. M. O. (2007). In vitro antiviral activity of antimicrobial peptides against herpes simplex virus 1, adenovirus, and rotavirus. *Memorias do Instituto Oswaldo Cruz* **102**, 469-472.
- Chayaburakul, K., Nash, G., Pratanpipat, P., Sriurairatana, S. & Withyachumnarnkul, B. (2004). Multiple pathogens found in growth-retarded black tiger shrimp *Penaeus monodon* cultivated in Thailand. *Diseases of Aquatic Organisms* **60**, 89-96.
- Dupuy, J. W., Bonami, J. R. & Roch, P. (2004). A synthetic antibacterial peptide from *Mytilus galloprovincialis* reduces mortality due to white spot syndrome virus in palaemonid shrimp. *J Fish Dis* **27**, 57-64.
- Flegel, T. W. (1997). Major viral diseases of the black tiger prawn (*Penaeus monodon*) in Thailand. *World Journal of Microbiology and Biotechnology* **13**, 433-442.
- Flegel, T. W. (2006). Detection of major penaeid shrimp viruses in Asia, a historical perspective with emphasis on Thailand. *Aquaculture* **258**, 1-33.
- Goncalves, P., Guertler, C., Bachère, E., de Souza, C. R. B., Rosa, R. D. & Perazzolo, L. M. (2014). Molecular signatures at imminent death: Hemocyte gene expression profiling of shrimp succumbing to viral and fungal infections. *Developmental & Comparative Immunology* **42**, 294-301.
- Imjongjirak, C., Amparyup, P. & Tassanakajon, A. (2011). Molecular cloning, genomic organization and antibacterial activity of a second isoform of antilipopolysaccharide factor (ALF) from the mud crab, *Scylla paramamosain*. *Fish Shellfish Immunol* **30**, 58-66.

- Imjongjirak, C., Amparyup, P., Tassanakajon, A. & Sittipraneed, S. (2007). Antilipopopolysaccharide factor (ALF) of mud crab *Scylla paramamosain*: Molecular cloning, genomic organization and the antimicrobial activity of its synthetic LPS binding domain. *Mol Immunol* **44**, 3195-3203.
- Lei, K., Li, F., Zhang, M., Yang, H., Luo, T. & Xu, X. (2008). Difference between hemocyanin subunits from shrimp *Penaeus japonicus* in anti-WSSV defense. *Dev Comp Immunol* **32**, 808-813.
- Li, C., Zhao, J., Song, L., Mu, C., Zhang, H., Gai, Y., Qiu, L., Yu, Y., Ni, D. & Xing, K. (2008). Molecular cloning, genomic organization and functional analysis of an anti-lipopopolysaccharide factor from Chinese mitten crab *Eriocheir sinensis*. *Dev Comp Immunol* **32**, 784-794.
- Liu, H., Soderhall, K. & Jiravanichpaisal, P. (2009). Antiviral immunity in crustaceans. *Fish Shellfish Immunol*.
- Lo, C.-F., Ho, C.-H., Peng, S.-E., Chen, C.-H., Hsu, H.-C., Chiu, Y.-L., Chang, C.-F., Liu, K.-F., Su, M.-S., Wang, C.-H. & Kou, G.-H. (1996). White spot syndrome baculovirus (WSBV) detected in cultured and captured shrimp, crabs and other arthropods. *Dis Aquat Organ* **27**, 215-225.
- Lu, Y. & Sun, P. S. (2005). Viral resistance in shrimp that express an antisense Taura syndrome virus coat protein gene. *Antiviral Res* **67**, 141-146.
- Luo, T., Zhang, X., Shao, Z. & Xu, X. (2003). PmAV, a novel gene involved in virus resistance of shrimp *Penaeus monodon*. *FEBS Lett* **551**, 53-57.
- Ponprateep, S., Tharntada, S., Somboonwiwat, K. & Tassanakajon, A. (2012). Gene silencing reveals a crucial role for anti-lipopopolysaccharide factors from *Penaeus monodon* in the protection against microbial infections. *Fish Shellfish Immunol* **32**, 26-34.
- Prapavorarat, A., Pongsomboon, S. & Tassanakajon, A. (2010). Identification of genes expressed in response to yellow head virus infection in the black tiger shrimp, *Penaeus monodon*, by suppression subtractive hybridization. *Dev Comp Immunol* **34**, 611-617.
- Rabalino, J., Bartlett, T. C., Chapman, R. W., Gross, P. S., Browdy, C. L. & Warr, G. W. (2007). Double-stranded RNA and antiviral immunity in marine shrimp: inducible host mechanisms and evidence for the evolution of viral counter-responses. *Dev Comp Immunol* **31**, 539-547.
- Roch, P., Yang, Y., Toubiana, M. & Aumelas, A. (2008). NMR structure of mussel mytilin, and antiviral-antibacterial activities of derived synthetic peptides. *Dev Comp Immunol* **32**, 227-238.

- Rolland, J. L., Abdelouahab, M., Dupont, J., Lefevre, F., Bachere, E. & Romestand, B. (2010). Stylicins, a new family of antimicrobial peptides from the Pacific blue shrimp *Litopenaeus stylirostris*. *Mol Immunol* **47**, 1269-1277.
- Senapin, S. & Phongdara, A. (2006). Binding of shrimp cellular proteins to Taura syndrome viral capsid proteins VP1, VP2 and VP3. *Virus Res* **122**, 69-77.
- Somboonwiwat, K., Marcos, M., Tassanakajon, A., Klinbunga, S., Aumelas, A., Romestand, B., Gueguen, Y., Boze, H., Moulin, G. & Bachère, E. (2005). Recombinant expression and anti-microbial activity of anti-lipopolysaccharide factor (ALF) from the black tiger shrimp *Penaeus monodon*. *Dev Comp Immunol* **29**, 841-851.
- Supungul, P., Klinbunga, S., Pichyangkura, R., Hirono, I., Aoki, T. & Tassanakajon, A. (2004). Antimicrobial peptides discovered in the black tiger shrimp *Penaeus monodon* using the EST approach. *Dis Aquat Organ* **61**, 123-135.
- Supungul, P., Tang, S., Maneeruttanarungroj, C., Rimphanitchayakit, V., Hirono, I., Aoki, T. & Tassanakajon, A. (2008). Cloning, expression and antimicrobial activity of crustinPm1, a major isoform of crustin, from the black tiger shrimp *Penaeus monodon*. *Dev Comp Immunol* **32**, 61-70.
- Tanaka, S., Nakamura, T., Morita, T. & Iwanaga, S. (1982). Limulus anti-LPS factor: an anticoagulant which inhibits the endotoxin mediated activation of Limulus coagulation system. *Biochem Biophys Res Commun* **105**, 717-723.
- Tassanakajon, A., Amparyup, P., Somboonwiwat, K. & Supungul, P. (2010). Cationic antimicrobial peptides in penaeid shrimp. *Marine biotechnology* **12**, 487-505.
- Tassanakajon, A., Klinbunga, S., Paunglarp, N., Rimphanitchayakit, V., Udomkit, A., Jitrapakdee, S., Sritunyalucksana, K., Phongdara, A., Pongsomboon, S., Supungul, P., Tang, S., Kuphanumart, K., Pichyangkura, R. & Lursinsap, C. (2006). *Penaeus monodon* gene discovery project: the generation of an EST collection and establishment of a database. *Gene* **384**, 104-112.
- Tharntada, S., Ponprateep, S., Somboonwiwat, K., Liu, H., Soderhall, I., Soderhall, K. & Tassanakajon, A. (2009). Role of anti-lipopolysaccharide factor from the black tiger shrimp, *Penaeus monodon*, in protection from white spot syndrome virus infection. *J Gen Virol* **90**, 1491-1498.
- Tharntada, S., Somboonwiwat, K., Rimphanitchayakit, V. & Tassanakajon, A. (2008). Anti-lipopolysaccharide factors from the black tiger shrimp, *Penaeus monodon*, are encoded by two genomic loci. *Fish Shellfish Immunol* **24**, 46-54.
- Tirasophon, W., Roshorm, Y. & Panyim, S. (2005). Silencing of yellow head virus replication in penaeid shrimp cells by dsRNA. *Biochem Biophys Res Commun* **334**, 102-107.

- Tirasophon, W., Yodmuang, S., Chinnirunvong, W., Plongthongkum, N. & Panyim, S. (2007). Therapeutic inhibition of yellow head virus multiplication in infected shrimps by YHV-protease dsRNA. *Antiviral Res* **74**, 150-155.
- Vatanavicharn, T., Supungul, P., Puanglarp, N., Yingvillasaprasert, W. & Tassanakajon, A. (2009). Genomic structure, expression pattern and functional characterization of crustinPm5, a unique isoform of crustin from *Penaeus monodon*. *Comp Biochem Physiol B Biochem Mol Biol* **153**, 244-252.
- Witteveldt, J., Cifuentes, C. C., Vlak, J. M. & van Hulten, M. C. (2004a). Protection of *Penaeus monodon* against white spot syndrome virus by oral vaccination. *J Virol* **78**, 2057-2061.
- Witteveldt, J., Vlak, J. M. & van Hulten, M. C. (2004b). Protection of *Penaeus monodon* against white spot syndrome virus using a WSSV subunit vaccine. *Fish Shellfish Immunol* **16**, 571-579.
- Zhang, X., Huang, C. & Qin, Q. (2004). Antiviral properties of hemocyanin isolated from shrimp *Penaeus monodon*. *Antiviral Research* **61**, 93-99.
- Zhao, Z. Y., Yin, Z. X., Xu, X. P., Weng, S. P., Rao, X. Y., Dai, Z. X., Luo, Y. W., Yang, G., Li, Z. S., Guan, H. J., Li, S. D., Chan, S. M., Yu, X. Q. & He, J. G. (2009). A Novel C-Type Lectin from the Shrimp *Litopenaeus vannamei* Possesses Anti-White Spot Syndrome Virus Activity. *J Virol* **83**, 347-356.

## ผลงานวิจัยที่ตีพิมพ์ในวารสารวิชาการระดับนานาชาติ

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## การเสนอผลงานในที่ประชุมวิชาการแบบบรรยายระดับนานาชาติ

**Tharntada, S.**, Ponprateep, S., Somboonwiwat, K., Woramongkolchai, N., Tassanakajon, A. Gene organization and functional analysis of anti-lipopolysaccharide factor-6 from the black tiger shrimp *Penaeus monodon* (2010) The 9<sup>th</sup> International Marine Biotechnology Conference, 8-12 Oct, 2010, Qingdao, P.R.China.