

1. Panfilio, K. A., et al. (2019). "Molecular evolutionary trends and feeding ecology diversification in the Hemiptera, anchored by the milkweed bug genome." *Genome Biol.* 20(1): 64.
2. Chung, C.Y., Hsiao, Y.M., Huang, T.Y., Chang, T.H., and Chang, C.-c. (2018). Germline expression of the hunchback orthologues in the asexual viviparous aphids: a conserved feature within the Aphididae. *Insect Mol. Biol.* 27, 752-765.
3. Huang, T.Y., Chang, C-c., Cheng, N.C. Wang, M.H., Chiou, L.L., Lee, K.L., Lee, H.S.\* (2017) Re-epithelialization of large wound in paedomorphic and metamorphic Axolotls. *Journal of Morphology*. 2017 Feb; 278(2):228-235.
4. Lu, H.L., Chang, C-c., Wilson A.C.C.\* (2016) Amino acid transporters implicated in endocytosis of Buchnera during symbiont transmission in the pea aphid. *EvoDevo* 7:24
5. Chung, C.Y., Chang, C-c\*, Lee, H.J.\* (2016) Adaptation of the cockroach Blattella germanica to human habitats: circadian and noncircadian factors. *Physiological Entomology*, 41, 307–312.
6. Wu, B.K., Yuan, R.Y., Chang, Y.P., Lien, H.W., Chen, T.S., Chien, H.C., Tong, T.S., Tsai, H.P., Fang, C.L., Liao Y.F., Chang, C-c\*, Chen R.P.\*, Huang C.J.\* (2016) Epicatechin isolated from Tripterygium wilfordii extract reduces tau-GFP-induced neurotoxicity in zebrafish embryo through the activation of Nrf2. *Biochem. Biophys. Res. Commun.* 477: 283-289.  
doi: 10.1016/j.bbrc.2016.06.058.
7. Lin, G.W., Chang, C-c\*. (2016) Identification of critical conditions for immunostaining in the pea aphid embryos: increasing tissue permeability and decreasing background staining. *J. Vis. Exp.* (108), e53883, doi: 10.3791/53883.
8. Wu, B.K., Yuan, R.Y., Lien, H.W., Hung C.C., Hwang P.P., Chen R.P., Chang C-c.\* , Liao, Y.F.\* , Huang, C.J. \* (2016) Multiple signaling factors and drugs alleviate neuronal death induced by expression of human and zebrafish tau proteins *in vivo*. *J. Biomed. Sci.* 23:25. doi: 10.1186/s12929-016-0237-4.
9. Lu, H.L., Price, D.R., Wikramanayake, A., Chang, C-c., Wilson, A.C.\* (2016) Ontogenetic differences in localization of glutamine transporter ApGLNT1 in the pea aphid demonstrate that mechanisms of host/symbiont integration are not similar in the maternal versus embryonic bacteriome. *EvoDevo* 7:1, doi: 10.1186/s13227-015-0038-y
10. Wang, S.C., Hsu, H.J., Lin, G.W., Wang, T.F., Chang, C-c.\* , Lin, M.D.\* (2015) Germ plasm localisation of the HELICc of Vasa in Drosophila: analysis of domain sufficiency and amino acids critical for localisation. *Scientific Reports* 5:14703, doi: 10.1038/srep14703
11. Lin, G.W., Cook, C.E., Miura, T.\* , and Chang, C-c.\* (2014) Posterior localization of

- ApVas1 positions the preformed germ plasm in the sexual oviparous pea aphid *Acyrthosiphon pisum*. *EvoDevo* 5:18, doi:10.1186/2041-9139-5-18
- 12. Chung, C.Y., Cook, C.E., Lin, G.W., Huang, T.Y., and Chang, C-c.\* (2014) Reliable protocols for whole-mount fluorescent in situ hybridization (FISH) in the pea aphid *Acyrthosiphon pisum*: a comprehensive survey and analysis. *Insect Science*, doi: 10.1111/1744-7917.12086
  - 13. Chung, C.Y., Chen, J.H., and Chang, C-c.\* (2014) Appum, a *Drosophila* homolog of pumilio in the pea aphid: cloning, developmental expression, and presumptive roles in posterior patterning. *Formosan Entomologist*, 33: 237-252.
  - 14. Hsiao, Y. M., Lin, G.W., and Chang, C-c.\* (2014) Establishment of the pea aphid as a developmental model organism: history, significance, and future prospects (in Chinese). *Formosan Entomologist*, 33: 215-235.
  - 15. Chang, C-c.\*, Hsiao, Y.M., Huang, T.Y., Cook, C.E., Shigenobu, S.; Chang, T.H. (2013) Noncanonical expression of caudal during early embryogenesis in the pea aphid *Acyrthosiphon pisum*: maternal cad-driven posterior development is not conserved. *Insect Molecular Biology*, 22: 442 – 455. doi: 10.1111/imb.12035
  - 16. Lu, H.L., Tanguy, S., Rispe, C., Gauthier, J., Walsh, T., Gordon, K., Edwards, O., Tagu, D., Chang, C-c.\*, Jaubert-Possamai, S.\* (2011) Expansion of genes encoding piRNA-associated Argonaute proteins in the pea aphid: diversification of expression profiles in different plastic morphs. *PLoS ONE* 6(12): e28051. doi: 10.1371/journal.pone.0028051
  - 17. Huang, T.Y., Cook, C.E., Davis G.K., Shigenobu S., Chen R.P.-Y., and Chang C-c.\* (2010) Anterior development in the parthenogenetic and viviparous form of the pea aphid, *Acyrthosiphon pisum*: hunchback and orthodenticle expression. *Insect Molecular Biology* 19: 75-85.
  - 18. Shigenobu S.\*, Bickel, R.D., Brisson, J.A., Butts, T., Chang, C-c. et al. (2010) Comprehensive survey of developmental genes in the pea aphid, *Acyrthosiphon pisum*: frequent lineage-specific duplications and losses of developmental genes. *Insect Molecular Biology* 19: 47-62.
  - 19. The International Aphid Genomics Consortium (2010) Genome sequence of the pea aphid *Acyrthosiphon pisum*. *PLoS Biology* 8(2): e1000313. doi:10.1371/journal.pbio.1000313.
  - 20. Chen, Y.C., Wu, B.C., Chu, C.Y., Cheng, C.H., Han, H.W., Chen, G.D., Lee, M.T., Hwang, P.P., Kawakami, K., Chang, C-c., and Huang, C.J.\* (2010) Identification and characterization of alternative promoters of zebrafish Rtn-4/Nogo genes in cultured cells and zebrafish embryos. *Nucleic Acids Research* 38:4635-4650.
  - 21. Chang, C-c.\*, Huang, T.Y., Cook, C.E., Lin, G.W., Shih, C.L., and Chen, R.P.-Y. (2009) Developmental expression of Apnanos during oogenesis and embryogenesis in

- the parthenogenetic pea aphid *Acyrtosiphon pisum* (Hemiptera: Aphidoidea). *International Journal of Developmental Biology* 53: 169-176.
- 22. Tsai, Y.C., Solter, L.F., Wang, C.Y., Fan, H.S., Chang, C-c.\*, and Wang, C.H.\* (2009) Morphological and molecular studies of a microsporidium (*Nosema* sp.) isolated from the three spot grass yellow butterfly, *Eurema blanda arsakia* (Lepidoptera: Pieridae). *Journal of Invertebrate Pathology* 100: 85-93.
  - 23. Mito, T., Nakamura, T., Sarashina, I., Chang, C-c., Ogawa, S., Ohuchi, H., and Noji, T.\* (2008) Dynamic expression patterns of vasa during embryogenesis in the cricket *Gryllus bimaculatus*. *Development Genes Evolution* 218: 381-387.
  - 24. Chang, C-c.\*, Huang, T.Y., Shih, C.L., Lin, G.W., Chang, T.P., Chiu, H., Chang, W.C. (2008) Whole-mount identification of gene transcripts in aphids: Protocols and evaluation of probe accessibility. *Archives of Insect Biochemistry and Physiology* 68: 186-96.
  - 25. Chang, C-c.\*, Chiu, H., and Lee, H.J. (2008) Identification of nuage-like structures in the panoistic ovarioles of the German cockroach *Blattella germanica* (Linnaeus). *Formosan Entomologist* 28: 1-10.
  - 26. Lin, G.W., Lu, S.L., Huang, T.Y., Shih, C.L., Wu, W.J.\*, and Chang, C-c.\* (2008) Molecular identification of weevils significant for customs inspection and quarantine importance. *Formosan Entomologist* 28: 43-55. (in Chinese)
  - 27. Chang, C-c.\*, Lin, G.W., Cook, C.E., Horng, S.B., Lee, H.J. and Huang, T.Y. (2007) Apvasa marks germ-cell migration in the parthenogenetic pea aphid *Acyrtosiphon pisum* (Hemiptera: Aphidoidea). *Development Genes Evolution* 217: 275–287
  - 28. Chang, C-c.\*, Lee, W.C., Cook, C.E., Lin, G.W., and Chang, T. (2006) Germ-plasm specification and germline development in the parthenogenetic pea aphid *Acyrtosiphon pisum*: Vasa and Nanos as markers. *International Journal of Developmental Biology* 50: 413-421.