

## 11. Department of Medical Entomology

- 1) Ohashi, K., Tsuda, Y., Kasai, S., Kawada, H., Takagi, M. Hybridization between sympatric populations of *Culex pipiens pallens* and *Culex pipiens* f. *molestus* (Diptera: Culicidae) in Nagasaki, Japan. *Medical Entomology and Zoology*, 65: 67-72, 2014.
- 2) Tsuda, Y., Kamezaki, H. Mark-release-recapture study on movement of mosquitoes: individual marking method and short-term study of *Aedes albopictus* and *Armigeres subalbatus* in residential area on Ishigaki Island, Japan. *Medical Entomology and Zoology*, 65: 61-66, 2014.
- 3) Tsuda, Y., Hayashi, T. Results of mosquito surveillance using dry-ice traps from 2003 to 2013 at the National Institute of Infectious Diseases, Tokyo, Japan. *Medical Entomology and Zoology*, 65: 131-137, 2014.
- 4) Arima, Y., Matsui, T., Shimada, T., Ishikane, M., Kawabata, K., Sunagawa, T., Kinoshita, H., Takasaki, T., Tsuda, Y., Sawabe, K., Oishi, K. Ongoing local transmission of dengue in Japan, August to September 2014. *WPSAR* 5(4) doi:10.5365/wpsar.2014.5.3.007, 2014.
- 5) Huber, K., Schuldt, K., Rudolf, M., Marklewitz, M., Fonseca, D. M., Kaufmann, C., Tsuda, Y., Junglen, S., Krüger, A., Becker, N., Tannich, E., Becker, S.C. Distribution and genetic structure of *Aedes japonicus japonicus* populations (Diptera: Culicidae) in Germany. *Parasitology Research*, 113: 3201-3210, 2014.
- 6) Kobayashi, M., Komagata, O., Yonejima, M., Maekawa, Y., Hirabayashi, K., Hayashi, T., Nihei, N., Yoshida, M., Tsuda, Y., Sawabe, K. Retrospective search for dengue vector mosquito *Aedes albopictus* in areas visited by a German traveler who contracted dengue in Japan. *International Journal of Infectious Diseases*, 26: 135-137, 2014.
- 7) Kobayashi, M. Regional Correspondent's Report—Asian SOVE Unexpected outbreak of dengue by *Aedes albopictus* in midsummer in Tokyo, 2014, *SOVE Newsletter*, 46: 3&6.
- 8) Iwanaga, S., Isawa, H., Yuda, M. Horizontal gene transfer of a vertebrate vasodilatory hormone into ticks. *Nature Communications*. 5: 3373, 2014.
- 9) Ejiri, H., Kuwata, R., Tsuda, Y., Sasaki, T., Kobayashi, M., Sato, Y., Sawabe, K., Isawa, H. First isolation and characterization of a mosquito-borne orbivirus belonging to the species *Umatilla virus* in East Asia. *Archives of Virology*, 159: 2675-2685, 2014.
- 10) Hirata, K., Komagata, O., Itokawa, K., Yamamoto, A., Tomita, T., Kasai, S. A single crossing-over event in voltage-sensitive Na<sup>+</sup> channel genes may cause critical failure of dengue mosquito control by insecticides. *PLoS Neglected Tropical Diseases* 8, e3085, 2014.
- 11) Kasai, S., Komagata, O., Itokawa, K., Shono, T., Ng, L.C., Kobayashi, M., Tomita, T. Mechanisms of Pyrethroid Resistance in the Dengue Mosquito Vector, *Aedes aegypti*: Target Site Insensitivity, Penetration, and Metabolism. *PLoS Neglected Tropical Diseases* 8, e2948, 2014.
- 12) Scott, J., Warren, W., Beukeboom, L., Bopp, D., Clark, A., Giers, S., Hediger, M., Jones, A., Kasai, S., Leichter, C., Li, M., Meisel, R., Minx, P., Murphy, T., Nelson, D., Reid, W., Rinkevich, F., Roberson, H., Sackton, T., Sattelle, D., Thibaud-Nissen, F., Tomlinson, C., Zande, L., Walden, K., Wilson, R., Liu, N. Genome of the house fly, *Musca domestica* L., a global vector of diseases with adaptations to a septic environment. *Genome Biology*, 15: 466, 2014.