

1. Department of Virology I

- 1) Itagaki, T., Abiko, C., Ikeda, T., Aoki, Y., Seto, J., Mizuta, K., Ahiko, T., Tsukagoshi, H., Nagano, M., Noda, M., Mizutani, T., Kimura H. (2010): Sequence and phylogenetic analysis of Scaffold cardiovirus from children with exudative tonsillitis in Yamagata, Japan. *Scand. J. Infect. Dis.*, 42, 950-952.
- 2) Sunohara, M., Morikawa, S., Murata, H., Fuse, A., Sato, I. (2010): PKC plays a crucial role in c-mpl gene expression in megakaryoblastic cells. *Okajimas Folia Anato. Jpn.*, 87, 151-154.
- 3) Ogawa, H., Miyamoto, H., Ebihara, H., Ito, K., Morikawa, S., Feldmann, H., Takada, A. (2011): Detection of all known filovirus species by reverse transcription-polymerase chain reaction using a primer set specific for the viral nucleoprotein gene. *J. Virol. Methods*, 171, 310-313.
- 4) Watanabe, S., Masangkay, J.S., Nagata, N., Morikawa, S., Mizutani, T., Fukushi, S., Alviola, P., Omatsu, T., Ueda, N., Iha, K., Taniguchi, S., Fujii, H., Tsuda, S., Endoh, M., Kato, K., Tohya, Y., Kyuwa, S., Yoshikawa, Y., Akashi, H. (2010): Bat coronaviruses and experimental infection of bats, the Philippines. *Emerg. Infect. Dis.*, 16, 1217-1223.
- 5) Watanabe, S., Maeda, K., Suzuki, K., Ueda, N., Iha, K., Taniguchi, S., Shimoda, H., Kato, K., Yoshikawa, Y., Morikawa, S., Kurane, I., Akashi, H., Mizutani, T. (2010): Novel betaherpesvirus in bats. *Emerg. Infect. Dis.*, 16:986-988.
- 6) Tsukagoshi, H., Masuda, Y., Mizutani, T., Mizuta, K., Saitoh, M., Morita, Y., Nishina, A., Kozawa, K., Noda, M., Ryo, A., Kimura, H. (2010): Sequence and phylogenetic analyses of Saffold cardiovirus (SAFV) genotype 3 isolates from children with upper respiratory infection in Gunma, Japan. *Jpn. J. Infect. Dis.*, 63, 378-380.
- 7) Watanabe, S., Mizutani, T., Sakai, K., Iizuka, I., Shiota, T., Sayama, Y., Tsuda, S., Kato, K., Fukushi, S., Saijo, M., Kurane, I., Morikawa, S., Akashi, H. (2010): Development of a method to detect viral RNA sequences from cultured cells by combining size fraction and a rapid determination system for viral RNA sequences (RDV). *J. Vet. Sci. Technol.*, 2010. 1. 1000103 (open access)
- 8) Nakayama, E., Yokoyama, A., Miyamoto, H., Igarashi, M., Kishida, N., Matuno, K., Marzi, A., Feldmann, H., Ito, K., Saijo, M., Takada, A. (2010): Enzyme-linked immunosorbent assay for the detection of filovirus species-specific antibodies. *Clin. Vaccine Immunol.*, 17, 1723-1728.
- 9) Saijo, M., Morikawa, S., Kurane, I. (2010): Recent progress in the treatment for Crimean-Congo hemorrhagic fever and future perspectives. *Future Virology*, 5, 801-809.
- 10) Mizutani, T., Sayama, Y., Nakanishi, A., Ochiai, H., Sakai, K., Wakabayashi, K., Tanaka, N., Miura, E., Oba, M., Kurane, I., Saijo, M., Morikawa, S., Ono, S.I. (2011): Novel DNA virus isolated from samples showing endothelial cell necrosis in the Japanese eel, *Anguilla japonica*. *Virology*, 412, 179-187.
- 11) Sayama, Y., Eshita, Y., Yamao, T., Mishimura, M., Sato, T., Srisawat, R., Komalamisra, N., Rongsriyam, Y., Sakai, K., Fukushi, S., Saijo, M., Oshitani, H., Kurane, I., Morikawa, S., Mizutani, T. (2011): Prevalence of Phasi Charoen virus in female mosquitos. *J. Parasitol. Vector Biol.*, 3, 19-21.
- 12) Saijo, M., Kurane, I., Morikawa, S.: Recombinant protein-based diagnostics for viral hemorrhagic fever.

Animal viruses. pp47-56. (Edited by Maeda A) printed by Transworld Research Network, 2010

- 13) Saijo, M.: Chapter 66 Lassa virus. Pp727-732, *In*: (Ed) Liu D, "Molecular detection of human viral pathogens", Taylor & Francis CRC Press, 2011
- 14) Yamamoto, K., Matumoto, K., Lim, C.K., Moi, M.L., Kotaki, A., Takasaki, T. (2010): Chikungunya fever from Malaysia. *Intern. Med.*, 49, 501-505.
- 15) Moi, M.L., Ujiie, M., Takasaki, T., Kurane, I. (2010): Dengue virus infection in travellers returning from Benin to France, July - August, 2010. *Euro Surveillance*, 15, 19674.
- 16) Moi, M.L., Takasaki, T., Kotaki, A., Tajima, S., Lim, C.K., Sakamoto, M., Iwagoe, H., Kobayashi, K., Kurane, I. (2010): Importation of dengue virus type 3 to Japan from Tanzania and Côte d'Ivoire. *Emerg. Infect. Dis.*, 16, 1770-1772.
- 17) Moi, M.L., Lim, C.K., Kotaki, A., Takasaki, T., Kurane, I. (2011): Detection of higher levels of dengue viremia using Fc gammaR-expressing BHK-21 cells than Fc gammaR-negative cells in secondary infection but not in primary infection. *J. Infect. Dis.*, 203, 1405-1414.
- 18) Lim, C.K., Kurane, I., Takasaki, T.: Re-emergence of Chikungunya virus. Animal viruses. pp1-22. (Edited by Maeda A) printed by Transworld Research Network, 2010
- 19) Fujii, Y., Matsutani, T., Kitaura, K., Suzuki, S., Itoh, T., Takasaki, T., Suzuki, R., Kurane, I. (2010): Comprehensive analysis and characterization of the TCR alpha chain sequences in the common marmoset. *Immunogenetics*, 62, 383-395.
- 20) Aoyama, I., Uno, K., Yumisashi, T., Takasaki, T., Lim, C.K., Kurane, I., Kase, T., Takahashi, K. (2010): A case of chikungunya fever imported from India to Japan, follow-up of specific IgM and IgG antibodies over a 6-month period. *Jpn. J Infect. Dis.*, 63:65-66.
- 21) Ito, M., Takasaki, T., Kotaki, A., Tajima, S., Yuwono, D., Rimal, H.S., Santos, F.D., De Jesus, M.D., Lina, B.B., Tsuda, Y., Lim, C.K., Nerome, R., Caleres, A., Shindo, N., Dragaer, R.D., Andjaparidze, A., Kurane, I. (2010): Molecular and virological analyses of dengue virus responsible for dengue outbreak in East timor in 2005. *Jpn. J Infect. Dis.*, 63, 181-184.
- 22) Imoto, J., Ishikawa, T., Yamanaka, A., Konishi, M., Murakami, K., Shibahara, T., Kubo, M., Lim, C.K., Hamano, M., Takasaki, T., Kurane, I., Udagawa, H., Mukutaf, Y., Konishi, E. (2010): Needle-free jet injection of small doses of Japanese encephalitis DNA and inactivated vaccine mixture induces neutralizing antibodies in miniature pigs and protects against fetal death and mummification in pregnant sows. *Vaccine*, 28, 7373-7380.
- 23) Mizuno, Y., Kato, Y., Takeshita, N., Ujiie, M., Kobayashi, T., Kanagawa, S., Kudo, K., Lim, C.K., Takasaki, T. (2011): Clinical and radiological features of imported chikungunya fever in Japan: a study of six cases at the National Center for Global Health and Medicine. *J. Infect. Chemother.*, 17, 419-423.
- 24) Eshita, Y., Higashihara, J., Onishi, M., Mizuno, M., Yoshida, J., Takasaki, T., Yoshoka, H, Kubota, N., Onishi, Y. (2011): Mechanism of the Introduction of Exogenous Genes into Cultured Cells using DEAE-Dextran-MMA Graft Copolymer as a non-Viral Gene Carrier.II Its Thixotropy Property. *J. Nanomed. & Nanotechnol.*, 2: <http://dx.doi.org/10.4172/2157-7439.1000105>.
- 25) Mohammed, M.A., Galbraith, S.E., Radford, A.D.,

- Dove, W., Takasaki, T., Kurane, I., Solomon, T. (2011): Molecular phylogenetic and evolutionary analyses of Muar strain of Japanese encephalitis virus reveal it is the missing fifth genotype. *Infect. Genet. Evol.*, 11:855-862.
- 26) Ito, M., Katakai, Y., Ono, F., Akari, H., Mukai, R.Z., Takasaki, T., Kotaki, A., Kurane, I. (2011): Serotype-specific and cross-reactive neutralizing antibody responses in cynomolgus monkeys after infection with multiple dengue virus serotypes. *Arch. Virol.*, 156, 1073-1077.
- 27) Tarumoto, N., Abe, Y., Yamaguchi, T., Takasaki, T., Kurane, I., Maesaki, S. (2011): Dengue fever as an acute febrile disease after overseas travel: a report of two cases. *Jpn J. Infect. Dis.*, 64, 163-164.
- 28) Tajima, S., Takasaki, T., Kurane, I. (2011): Restoration of replication-defective dengue type 1 virus bearing mutations in the N-Terminal cytoplasmic portion of NS4A by the additional mutations in the NS4B. *Arch. Virol.*, 156:63-69.
- 29) Nakamichi, K., Kitani, H., Takayama-Ito, M., Morimoto, K., Kurane, I., Saijo, M. (2010): Celastrol suppresses morphological and transcriptional responses in microglial cells upon stimulation with double-stranded RNA. *Int. J. Neurosci.*, 120, 252-257.
- 30) Nakamichi, K., Takayama-Ito, M., Nukuzuma, S., Kurane, I., Saijo, M. (2010): Long-term infection of adult mice with murine polyomavirus following stereotaxic inoculation into the brain. *Microbiol. Immunol.*, 54, 475-482.
- 31) Nukuzuma, S., Kameoka, M., Sugiura, S., Nakamichi, K., Nukuzuma, C., Miyoshi, I., Takegami, T. (2010): Efficient propagation of progressive multifocal leukoencephalopathy-type JC virus in COS-7-derived cell lines stably expressing Tat protein of human immunodeficiency virus type 1. *Microbiol. Immunol.*, 54, 758-762.
- 32) Inoue, N.: Chapter 84 Human herpesvirus 5 (cytomegalovirus). pp.949-962, *In: (Ed) Liu D, "Molecular detection of human viral pathogens"*, Taylor & Francis CRC Press, 2011
- 33) Shoji, K., Ito, N., Ito, Y., Inoue, N., Adachi, S., Fujimaru, T., Nakamura, T., Nishina, S., Azuma, N., Saitoh, A. (2010): Is a six-week course of ganciclovir therapy effective for chorioretinitis in infants with congenital cytomegalovirus infection? *J. Pediatr.*, 157, 331-333,
- 34) Nagamori, T., Koyano, S., Inoue, N., Yamada, H., Oshima, M., Minematsu, T., Fujieda, K. (2010): A symptomatic congenital cytomegalovirus infection occurred by viral reactivation more than 2 years after an abortion due to the same strain. *J. Clin. Virol.*, 49, 134-136.
- 35) Yamada, S., Kosugi, I., Katano, H., Fukui, Y., Kawasaki, H., Arai, Y., Kurane, I., Inoue, N. (2010): In vivo imaging assay for the convenient evaluation of antiviral compounds against cytomegalovirus in mice. *Antiviral Res.*, 88, 45-52.
- 36) Kanai, K., Takashima, K., Okuno, K., Kato, K., Sano, H., Kuwamoto, S., Higaki, H., Nagata, K., Sugihara, H., Kato, M., Murakami, I., Hayashi, K. (2010): Lifelong persistent EBV infection of rabbits with EBER1-positive lymphocyte infiltration and mild sublethal hemophagocytosis. *Virus Res.*, 153:172-178.
- 37) Kanai, K., Kato, K., Sano, H., Nagata, K., Okuno, K., Kuwamoto, S., Higaki, H., Sugihara, H., Kato, M., Murakami, I., Hayashi, K. (2010): In vitro Epstein-Barr virus infection model of rabbit lymphocytes from

peripheral blood or spleen. *Intervirology*, 54:17-24.

- 38) Okuno, K., Takashima, K., Kanai, K., Ohashi, M., Hyuga, R., Sugihara, H., Kuwamoto, S., Kato, M., Sano, H., Sairenji, T., Kanzaki, S., Hayashi, K. (2010): Epstein-Barr virus can infect rabbits by the intranasal or peroral route: an animal model for natural primary EBV infection in humans. *J. Med. Virol.*, 82:977-986.
- 39) Folster, J.M., Jensen, N.J., Ruyechan, W.T., Inoue, N., Schmid, D.S. (2011): Regulation of the expression of the varicella-zoster virus open reading frame 66 gene. *Virus Res.*, 155, 334-342.
- 40) Ando, S., Kurosawa, M., Sakata, A., Fujita, H., Sakai, K., Sekine, M., Katsumi, M., Saitou, W., Yano, Y., Takada, N., Takano, A., Kawabata, H., Hanaoka, N., Watanabe, H., Kurane, I., Kishimoto, T. (2010): Human *R. heilongjiangensis* Infection, Japan. *Emerg. Infect. Dis.*, 16, 1306-1308.
- 41) Takeshita, N., Imoto, K., Ando, S., Yanagisawa, K., Ohji, G., Kato, Y., Sakata, A., Hosokawa, N., Kishimoto, T. (2010): Murine typhus in two travelers returning from Bali, Indonesia: an underdiagnosed disease. *J. Travel. Med.*, 17, 356-358.
- 42) Yoshii, K., Mottae, K., Omori-Urabe, Y., Chiba, Y., Seto, T., Sanada, T., Maeda, J., Obara, M., Ando, S., Ito, N., Sugiyama, M., Sato, H., Fukushima, H., Kariwa, H., Takashima, I. (2011): Epizootiological study of tick-borne encephalitis virus infection in Japan. *J. Vet. Med. Sci.*, 73, 409-412.
- 43) Takano, A., Nakao, M., Masuzaka, T., Takada, N., Yano, Y., Ishiguro, F., Fujita, H., Ito, T., Ma, X., Oikawa, Y., Kawamori, F., Kumagai, K., Mikami, T., Hanaoka, N., Ando, S., Honda, N., Tayler, K., Tsubota, T., Konnai, S., Watanabe, M., Ohnishi, M., Kawabata, H. (2011): Multilocus sequence typing Implicates rodents as the main reservoir host of Human-pathogenic *Borrelia garinii* in Japan. *J. Clin. Microbiol.*, 49, 2035-2039.
- 44) Watanabe, M., Hasegawa, S., Obara, M., Ando, S., Yamauchi, T., Takizawa, T. (2011): Long-term analysis of the population dynamics of *Culex tritaeniorhynchus* and *Anopheles sinensis*, and serological survey of Japanese encephalitis virus among swine in Toyama Prefecture, Japan, from 1969 to 2003. *Skarafactory*.