

1. Department of Virology I

- 1) Ramadhany R, Hirai I, Sasaki T, Ono K, Ramasoota P, Ikuta K, Kurosu T. Antibody with an engineered Fc region as a therapeutic agent against dengue virus infection. *Antiviral Res* 124:61-68, 2015
- 2) Kurosu T. The current situation of dengue research. *Juntendo Med J* 61:407-412, 2015
- 3) Okabayashi T, Sasaki T, Masrinoul P, Chantawat N, Yoksan S, Nitatpattana N, Chusri S, Morales Vargas RE, Grandadam M, Brey PT, Soegijanto S, Mulyantno KC, Churrotin S, Kotaki T, Faye O, Faye O, Sow A, Sall AA, Puiprom O, Chaichana P, Kurosu T, Kato S, Kosaka M, Ramasoota P, Ikuta K. Detection of chikungunya virus antigen by a novel rapid immunochromatographic test. *J Clin Microbiol* 53:382-388, 2015
- 4) Phanthanawiboon S, Limkittikul K, Sakai Y, Takakura N, Saijo M, Kurosu T. Acute systemic infection with dengue virus leads to vascular leakage and death through tumor necrosis factor- α and Tie2/Angiopoietin signaling in mice lacking type I and II interferon receptors. *PLoS One* 11(2):e0148564, 2016
- 5) Kaneyuki S, Yoshikawa T, Tani H, Fukushi S, Taniguchi S, Fukuma A, Shimojima M, Kurosu T, Morikawa S, Saijo M. Ulcerative lesions with hemorrhage in a patient with severe fever with thrombocytopenia syndrome observed via upper gastrointestinal endoscopy. *Jpn J Infect Dis* (in press, 2015)
- 6) Iwata-Yoshikawa N, Fukushi S, Fukuma A, Suzuki T, Takeda M, Tashiro M, Hasegawa H, Nagata N. No susceptibility of neonatal and adult rats against the Middle East respiratory syndrome coronavirus. *Jpn J Infect Dis* (in press, 2016)
- 7) Fukuma A, Fukushi S, Yoshikawa T, Tani H, Taniguchi S, Kurosu T, Egawa K, Suda Y, Singh H, Nomachi T, Gokuden M, Ando K, Kida K, Kan M, Kato N, Yoshikawa A, Kitamoto H, Sato Y, Suzuki T, Hasegawa H, Morikawa S, Shimojima M, Saijo M. Severe fever with thrombocytopenia syndrome virus antigen detection using monoclonal antibodies to the nucleocapsid protein. *PLoS Negl Trop Dis* 10(4):e0004595, 2016
- 8) Tani H, Fukuma A, Fukushi S, Taniguchi S, Yoshikawa T, Iwata-Yoshikawa N, Sato Y, Suzuki T, Nagata N, Hasegawa H, Kawai Y, Uda A, Morikawa S, Shimojima M, Watanabe H, Saijo M. Efficacy of T-705 (favipiravir) in the treatment of infections with lethal severe fever with thrombocytopenia syndrome virus. *mSphere* 1(1). pii: e00061-15, 2016
- 9) Singh H, Shimojima M, Ngoc TC, Quoc Huy NV, Chuong TX, Le Van A, Saijo M, Yang M, Sugamata M. Serological evidence of human infection with Pteropine orthoreovirus in Central Vietnam. *J Med Virol* 87(12):2145-2148, 2015
- 10) Singh H, Morioka K, Shimojima M, Van An L, Nakajima H, Hemmi A, Uchiyama K, Loong SK, AbuBakar S, Yang M, Sugamata M. A handy field portable ELISA-system for rapid onsite diagnosis of infectious diseases. *Jpn J Infect Dis* (in press, 2015)
- 11) Shimojima M, Fukushi S, Tani H, Taniguchi S, Fukuma A, Saijo M. Combination effects of ribavirin and interferons on severe fever with thrombocytopenia syndrome virus infection. *Virol J* 12:181, 2015
- 12) Singh H, Yoshikawa T, Kobayashi T, Fukushi S, Tani H, Taniguchi S, Fukuma A, Yang M, Sugamata M, Shimojima M, Saijo M. Rapid whole genome sequencing of Miyazaki-Bali/2007 pteropine orthoreovirus by

- modified rolling circular amplification with adaptor ligation – next generation sequencing. *Sci Rep* 5:16517, 2015
- 13) Fukuma A, Tani H, Taniguchi S, Shimojima M, Saijo M, Fukushi S. Inability of rat DPP4 to allow MERS-CoV infection revealed by using a VSV pseudotype bearing truncated MERS-CoV spike protein. *Arch Virol* 160(9):2293-2300, 2015
 - 14) Shinohara N, Matsumoto C, Chatani M, Uchida S, Yoshikawa T, Shimojima M, Satake M, Tadokoro K. Efficacy of the Mirasol pathogen reduction technology system against severe fever with thrombocytopenia syndrome virus (SFTSV). *Vox Sang* (109):417-419, 2015
 - 15) Singh H, Shimojima M, Fukushi S, Le Van A, Sugamata M, Yang M. Increased sensitivity of 3D-Well enzyme-linked immunosorbent assay (ELISA) for infectious disease detection using 3D-printing fabrication technology. *Biomed Mater Eng Suppl* 1:S45-53, 2015
 - 16) Singh H, Shimojima M, Shiratori T, An le V, Sugamata M, Yang M. Application of 3D printing technology in increasing the diagnostic performance of enzyme-linked immunosorbent assay (ELISA) for infectious diseases. *Sensors (Basel)* 15(7):16503-165015, 2015
 - 17) Yoshikawa T, Shimojima M, Fukushi S, Tani H, Fukuma A, Taniguchi S, Singh H, Suda Y, Shirabe K, Toda S, Shimazu Y, Nomachi T, Gokuden M, Morimitsu T, Ando K, Yoshikawa A, Kan M, Uramoto M, Osako H, Kida K, Takimoto H, Kitamoto H, Terasoma F, Honda A, Maeda K, Takahashi T, Yamagishi T, Oishi K, Morikawa S, Saijo M. Phylogenetic and geographic relationships of severe fever with thrombocytopenia syndrome virus in China, South Korea, and Japan. *J Infect Dis* 212(6):889-898, 2015
 - 18) Tajima S, Nakayama E, Kotaki A, Moi ML, Ikeda M, Yagasaki K, Saito Y, Shibasaki K, Saijo M, Takasaki T. Whole genome sequencing-based molecular epidemiologic analysis of autochthonous dengue virus type 1 strains circulating in Japan in 2014. *Jpn J Infect Dis* (in press, 2016)
 - 19) Kato F, Ishida Y, Oishi S, Fujii N, Watanabe S, Vasudevan SG, Tajima S, Takasaki T, Suzuki Y, Ichiyama K, Yamamoto N, Yoshii K, Takashima I, Kobayashi T, Miura T, Igarashi T, Hishiki T. Novel antiviral activity of bromocriptine against dengue virus replication. *Antiviral Res* 12:141-147, 2016
 - 20) Imai K, Nakayama E, Maeda T, Mikita K, Kobayashi Y, Mitarai A, Honma Y, Miyake S, Kaku K, Miyahira Y, Kawana A. Chikungunya fever in Japan imported from the Caribbean islands. *Jpn J Infect Dis* (in press, 2016)
 - 21) Tajima S, Yagasaki K, Kotaki A, Tomikawa T, Nakayama E, Moi ML, Lim CK, Saijo M, Kurane I, Takasaki T. In vitro growth, pathogenicity, and serological characteristics of the Japanese encephalitis virus genotype V Muar strain. *J Gen Virol* 96(9):2661-2669, 2015
 - 22) Sano Y, Nakano Y, Omoto M, Takao M, Ikeda E, Oga A, Nakamichi K, Saijo M, Maoka T, Sano H, Kawai M, Kanda T. Rituximab-associated progressive multifocal leukoencephalopathy derived from non-Hodgkin lymphoma: neuropathological findings and results of mefloquine treatment. *Intern Med* 54(8):965-970, 2015.
 - 23) Nukuzuma S, Sugiura S, Nakamichi K, Kameoka M, Nukuzuma C, Tasaki T, Takegami T. Replication of IMR-32-adapted JC virus clones in human embryonic kidney cells. *Microbiol Immunol* 59(4):238-242, 2015
 - 24) Yoshida T, Kawamoto M, Togo M, Kohara N, Ito T, Nakamichi K, Saijo M, Mizuno T. Progressive

- multifocal leukoencephalopathy developing after liver transplantation showing marked neurological symptom improvement and arrest of further deterioration of imaging findings: A case report. *J Neurological Sci* 359(1-2):1-3, 2015.
- 25) Ejiri H, Lim CK, Isawa H, Kuwata R, Kobayashi D, Yamaguchi Y, Takayama-Ito M, Kinoshita H, Kakiuchi S, Horiya M, Kotaki A, Takasaki T, Maeda K, Hayashi T, Sasaki T, Kobayashi M, Saijo M, Sawabe K. Genetic and biological characterization of Muko virus, a new distinct member of the species Great Island virus (genus Orbivirus, family Reoviridae), isolated from ixodid ticks in Japan. *Arch Virol* 160(12):2965-2977, 2015
- 26) Moi ML, Ami Y, Shirai K, Lim CK, Suzaki Y, Saito Y, Kitaura K, Saijo M, Suzuki R, Kurane I, Takasaki T. Formation of infectious dengue virus-antibody immune complex in vivo in marmosets (*Callithrix jacchus*) after passive transfer of anti-dengue virus monoclonal antibodies and infection with dengue virus. *Am J Trop Med Hyg* 92(2):370-376, 2015
- 27) Takajo I, Sekizuka T, Fujita H, Kawano A, Kawaguchi T, Matsuda M, Kubo K, Miyauchi S, Umekita K, Nagatomo Y, Kuroda M, Takasaki T, Okayama A, Ando S. Possible case of novel spotted fever group rickettsiosis in a Japanese traveler returning from India. *Emerg Infect Dis* (in press, 2015)
- 28) Oba M, Omatsu T, Takano A, Kawabata H, Ando S, Mizutani T. A Novel bunyavirus from the doft tick, *Argas vespertilionis*, in Japan. *J Vet Med Sci* 78:443-445, 2016
- 29) Toyomane K, Konnai S, Niwa A, Githaka WN, Isezaki M, Yamada S, Ito T, Takano A, Ando S, Kawabata H, Murata S, Ohashi K. Identification and the preliminary in vitro characterization of IRIS homologue from salivary glands of *Ixodes persulcatus* Schulze. *Ticks Tick Borne Dis* 7:119-125, 2016
- 30) Andoh M, Sakata A, Takano A, Kawabata H, Fujita H, Une Y, Goka K, Kishimoto T, Ando S. Detection of *Rickettsia* and *Ehrlichia* spp. in Ticks Associated with Exotic Reptiles and Amphibians Imported into Japan. *PLoS One* 10(7):e0133700, 2015
- 31) Shinohara K, Kutsuna S, Takasaki T, Moi ML, Ikeda M, Kotaki A, Yamamoto K, Fujiya Y, Mawatari M, Takeshita N, Hayakawa K, Kanagawa S, Kato Y, Ohmagari N. Zika fever imported from Thailand to Japan, and diagnosed by PCR in the urines. *J Travel Med* 23(1): pii: tav011, 2016
- 32) Pok KY, Squires RC, Tan LK, Takasaki T, Abubakar S, Hasebe F, Partridge J, Lee CK, Lo J, Aaskov J, Ng LC, Konings F. First round of external quality assessment of dengue diagnostics in the WHO Western Pacific Region, 2013. *Western Pac Surveill Response J* 6(2):73-81, 2015
- 33) Hayakawa K, Takasaki T, Tsunemine H, Kanagawa S, Kutsuna S, Takeshita N, Mawatari M, Fujiya Y, Yamamoto K, Ohmagari N, Kato Y. Persistent seropositivity for yellow fever in a previously vaccinated autologous hematopoietic stem cell transplantation recipient. *Int J Infect Dis* 37:9-10, 2015
- 34) Sato R, Hamada N, Kashiwagi T, Imamura Y, Hara K, Nishimura M, Kamimura T, Takasaki T, Watanabe H, Koga T. Dengue hemorrhagic fever in a Japanese traveler with pre-existing Japanese encephalitis virus antibody. *Trop Med Health* 43(2):85-88, 2015
- 35) Saito Y, Moi ML, Kotaki A, Ikeda M, Tajima S, Shiba H, Hosono K, Saijo M, Kurane I, Takasaki T. Detecting dengue virus nonstructural protein 1 (NS1) in urine samples

- using ELISA for the diagnosis of dengue virus infection. *Jpn J Infect Dis* 68(6):455-460, 2015
- 36) Hoshino K, Isawa H, Kuwata R, Tajima S, Takasaki T, Iwabuchi K, Sawabe K, Kobayashi M, Sasaki T. Establishment and characterization of two new cell lines from the mosquito *Armigeres subalbatus* (Coquillett) (Diptera: Culicidae). *In Vitro Cell Dev Biol Anim* 51(7):672-679, 2015
- 37) Kutsuna S, Kato Y, Moi ML, Kotaki A, Ota M, Shinohara K, Kobayashi T, Yamamoto K, Fujiya Y, Mawatari M, Sato T, Kunimatsu J, Takeshita N, Hayakawa K, Kanagawa S, Takasaki T, Ohmagari N. Autochthonous dengue fever, Tokyo, Japan, 2014. *Emerg Infect Dis* 21(3):517-520, 2015
- 38) Moi ML, Honma Y, Mori S, Kuze T, Kanekawa M, Isoda T, Moriwaki N, Hosogai T, Kotaki A, Kurane I, Saijo M, Miyake S, Takasaki T. Virological confirmation of concurrent dengue virus serotypes 1 and 4 by virus isolation using Fc-gamma receptor-expressing BHK cells. *Int J Infect Dis* 33:177-178, 2015
- 39) Nagata N, Iwata-Yoshikawa N, Hayasaka D, Sato Y, Kojima A, Kariwa H, Takashima I, Takasaki T, Kurane I, Sata T, Hasegawa H. The pathogenesis of 3 neurotropic flaviviruses in a mouse model depends on the route of neuroinvasion after viremia. *J Neuropathol Exp Neurol* 74:250-260, 2015
- 40) Kitao A, Ieki R, Takatsu H, Tachibana Y, Nagae M, Hino T, Nakaji H, Shimojima M, Saijo M, Okayama M, Kenzaka T. Severe fever with thrombocytopenia syndrome presenting as hemophagocytic syndrome: two case reports. *Springerplus*. 22;5:361, 2016
- 41) Kawagishi T, Kanai Y, Tani H, Shimojima M, Saijo M, Matsuura Y, Kobayashi T. Reverse genetics for fusogenic bat-borne orthoreovirus associated with acute respiratory tract infections in Humans: Role of outer capsid protein σ C in viral replication and pathogenesis. *PLoS Pathog* 12(2):e1005455, 2016
- 42) Iwata-Yoshikawa N, Fukushi S, Fukuma A, Suzuki T, Takeda M, Tashiro M, Hasegawa H, Nagata N. No susceptibility of neonatal and adult rats against the Middle East respiratory syndrome coronavirus. *Jpn J Infect Dis* (in press, 2016)