

## 7. Department of Pathology

- 1) Yanagita H, Yamamoto N, Fuji H, Liu X, Ogata M, Yokota M, Takaku H, Hasegawa H, Odagiri T, Tashiro M, Hoshino T. Mechanism of drug resistance of hemagglutinin of influenza virus and potent scaffolds inhibiting its function. *ACS Chem Biol.* 2012 Mar 16;7(3):552-62.
- 2) Aina A, Tamura S, Suzuki T, Ito R, Asanuma H, Tanimoto T, Gomi Y, Manabe S, Ishikawa T, Okuno Y, Odagiri T, Tashiro M, Sata T, Kurata T, Hasegawa H. Characterization of neutralizing antibodies in adults after intranasal vaccination with an inactivated influenza vaccine. *J Med Virol.* 2012 Feb;84(2):336-44.
- 3) Nakao R, Hasegawa H, Ochiai K, Takashiba S, Aina A, Ohnishi M, Watanabe H, Senpuku H. Outer membrane vesicles of *Porphyromonas gingivalis* elicit a mucosal immune response. *PLoS One.* 2011;6(10):e26163.
- 4) Kato A, Liu Z, Minowa A, Imai T, Tanaka M, Sugimoto K, Nishiyama Y, Arai J, Kawaguchi Y. Herpes simplex virus 1 protein kinase Us3 and major tegument protein UL47 reciprocally regulate their subcellular localization in infected cells. *J Virol.* 2011 Sep;85(18):9599-613.
- 5) Yamamoto K, Ishikawa C, Katano H, Yasumoto T, Mori N. Fucoxanthin and its deacetylated product, fucoxanthinol, induce apoptosis of primary effusion lymphomas. *Cancer Lett.* 2011 Jan 28;300(2):225-34.
- 6) Nakai H, Sugata K, Usui C, Asano Y, Yamakita T, Matsunaga K, Mizokuchi Y, Katano H, Iwatsuki K, Yoshikawa T. A case of erythema multiforme associated with primary Epstein-Barr virus infection. *Pediatr Dermatol.* 2011 Jan-Feb;28(1):23-5.
- 7) Katano H, Kano M, Nakamura T, Kanno T, Asanuma H, Sata T. A novel real-time PCR system for simultaneous detection of human viruses in clinical samples from patients with uncertain diagnoses. *J Med Virol.* 2011 Feb;83(2):322-30.
- 8) Kaibuchi-Noda K, Yokota K, Matsumoto T, Sawada M, Sakakibara A, Kono M, Tomita Y, Watanabe D, Fukumoto H, Katano H, Akiyama M. Detection of Merkel cell polyomavirus in cutaneous squamous cell carcinoma before occurrence of Merkel cell carcinoma. *J Am Acad Dermatol.* 2011 Nov;65(5):e152-4.
- 9) Hatano B, Goto M, Fukumoto H, Obara T, Maki T, Suzuki G, Yamamoto T, Hagiwara K, Matsushita Y, Fujii T, Imakiire T, Kikuchi Y, Takahashi R, Kanai M, Tamura K, Izumi T, Takahashi Y, Iwamoto Y, Mimura S, Mukai Y, Takita K, Takeo H, Kitamura R, Shimizu E, Fukushima K, Hakozaiki Y, Uehata A, Sakai M, Ohshima S, Shirotani T, Oba K, Hasegawa H, Sata T, Katano H. Mobile and accurate detection system for infection by the 2009 pandemic influenza A (H1N1) virus with a pocket-warmer reverse-transcriptase loop-mediated isothermal amplification. *J Med Virol.* 2011 Apr;83(4):568-73.
- 10) Fukumoto H, Kanno T, Hasegawa H, Katano H. Pathology of Kaposi's Sarcoma-Associated Herpesvirus Infection. *Front Microbiol.* 2011;2:175.
- 11) Nakajima N, Sato Y, Katano H, Hasegawa H, Kumasaka T, Hata S, Tanaka S, Amano T, Kasai T, Chong JM, Iizuka T, Nakazato I, Hino Y, Hamamatsu A, Horiguchi H, Tanaka T, Hasegawa A, Kanaya Y, Oku R, Oya T, Sata T. Histopathological and immunohistochemical findings of 20 autopsy cases with 2009 H1N1 virus infection. *Mod Pathol.* 2012 Jan;25(1):1-13. (Epub 2011 Aug 26.)
- 12) Sugamata R, Dobashi H, Nagao T, Yamamoto K, Nakajima N, Sato Y, Aratani Y, Oshima M, Sata T, Kobayashi K, Kawachi S, Nakayama T, Suzuki K. Contribution of neutrophil-derived myeloperoxidase in the early phase of fulminant acute respiratory distress syndrome induced by influenza virus infection. *Microbiol Immunol.* 2012 Mar;56(3):171-82. (Epub 2011 Dec 30.)
- 13) Sasaki M, Hasebe R, Makino Y, Suzuki T, Fukushi H, Okamoto M, Matsuda K, Taniyama H, Sawa H, Kimura T. Equine major histocompatibility complex class I molecules act as entry receptors that bind to equine herpesvirus-1 glycoprotein D. *Genes Cells.* 2011 Apr;16(4):343-57.
- 14) Suzuki T, Aina A, Nagata N, Sata T, Sawa H, Hasegawa H. A novel function of the N-terminal domain of PA in assembly of influenza A virus RNA polymerase. *Biochem Biophys Res Commun.* 2011 Nov 4;414(4):719-26.
- 15) Pham VH, Nguyen HD, Ho PT, Banh DV, Pham HL, Pham PH, Lu L, Abe K. Very high prevalence of hepatitis C virus genotype 6 variants in southern Vietnam: large-scale survey based on sequence

- determination. *Jpn J Infect Dis.* 2011;64(6):537-9.
- 16) Chao DT, Abe K, Nguyen MH. Systematic review: epidemiology of hepatitis C genotype 6 and its management. *Aliment Pharmacol Ther.* 2011 Aug;34(3):286-96.
  - 17) Wu Y, Wang T, Ye S, Zhao R, Bai X, Wu Y, Abe K, Jin X. Detection of hepatitis B virus DNA in paraffin-embedded intrahepatic and extrahepatic cholangiocarcinoma tissue in the northern Chinese population. *Hum Pathol.* 2012 Jan;43(1):56-61.
  - 18) Theamboonlers A, Abe K, Thongmee C, Poovorawan Y. Complete coding sequence and molecular analysis of hepatitis A virus from a chimpanzee with fulminant hepatitis. *J Med Primatol.* 2012 Feb;41(1):11-7.
  - 19) Fu Y, Qin W, Cao H, Xu R, Tan Y, Lu T, Wang H, Tong W, Rong X, Li G, Yuan M, Li C, Abe K, Lu L, Chen G. HCV 6a prevalence in Guangdong province had the origin from Vietnam and recent dissemination to other regions of China: phylogeographic analyses. *PLoS One.* 2012;7(1):e28006.
  - 20) Sanada T, Kariwa H, Nagata N, Tanikawa Y, Seto T, Yoshimatsu K, Arikawa J, Yoshii K, Takashima I. Puumala virus infection in Syrian hamsters (*Mesocricetus auratus*) resembling hantavirus infection in natural rodent hosts. *Virus Res.* 2011 Sep;160(1-2):108-19.
  - 21) Kitaura K, Fujii Y, Hayasaka D, Matsutani T, Shirai K, Nagata N, Lim CK, Suzuki S, Takasaki T, Suzuki R, Kurane I. High clonality of virus-specific T lymphocytes defined by TCR usage in the brains of mice infected with West Nile virus. *J Immunol.* 2011 Oct 15;187(8):3919-30.
  - 22) Isawa H, Kuwata R, Hoshino K, Tsuda Y, Sakai K, Watanabe S, Nishimura M, Satho T, Kataoka M, Nagata N, Hasegawa H, Bando H, Yano K, Sasaki T, Kobayashi M, Mizutani T, Sawabe K. Identification and molecular characterization of a new nonsegmented double-stranded RNA virus isolated from *Culex* mosquitoes in Japan. *Virus Res.* 2011 Jan;155(1):147-55.
  - 23) Taneichi D, Iijima K, Doi A, Koyama T, Minemoto Y, Tokunaga K, Shimura M, Kano S, Ishizaka Y. Identification of SNF2h, a chromatin-remodeling factor, as a novel binding protein of Vpr of human immunodeficiency virus type 1. *J Neuroimmune Pharmacol.* 2011 Jun;6(2):177-87.
  - 24) Sapsutthipas S, Kitagawa Y, Tokunaga K, Ikuta K, Kameoka M. Viral factors involved in adapter-related protein complex 2 alpha 1 subunit-mediated regulation of human immunodeficiency virus type 1 replication. *Southeast Asian J Trop Med Public Health.* 2011 Mar;42(2):311-9.
  - 25) Ikeda T, Abd El Galil KH, Tokunaga K, Maeda K, Sata T, Sakaguchi N, Heidmann T, Koito A. Intrinsic restriction activity by apolipoprotein B mRNA editing enzyme APOBEC1 against the mobility of autonomous retrotransposons. *Nucleic Acids Res.* 2011 Jul;39(13):5538-54.
  - 26) Shimura M, Toyoda Y, Iijima K, Kinomoto M, Tokunaga K, Yoda K, Yanagida M, Sata T, Ishizaka Y. Epigenetic displacement of HP1 from heterochromatin by HIV-1 Vpr causes premature sister chromatid separation. *J Cell Biol.* 2011 Sep 5;194(5):721-35.
  - 27) Arias JF, Iwabu Y, Tokunaga K. Structural Basis for the Antiviral Activity of BST-2/Tetherin and Its Viral Antagonism. *Front Microbiol.* 2011;2:250.
  - 28) Ohtaki N, Takahashi H, Kaneko K, Gomi Y, Ishikawa T, Higashi Y, Todokoro M, Kurata T, Sata T, Kojima A. Purification and concentration of non-infectious West Nile virus-like particles and infectious virions using a pseudo-affinity Cellulose Sulfate column. *J Virol Methods.* 2011 Jun;174(1-2):131-5.
  - 29) Ono F, Terao K, Tase N, Hiyaoka A, Ohshima A, Tezuka Y, Wada N, Kurosawa A, Sato Y, Tobiume M, Hagiwara K, Yamakawa Y, Sata T. Experimental transmission of bovine spongiform encephalopathy (BSE) to cynomolgus macaques, a non-human primate. *Jpn J Infect Dis.* 2011;64(1):50-4.
  - 30) Ono F, Tase N, Kurosawa A, Hiyaoka A, Ohshima A, Tezuka Y, Wada N, Sato Y, Tobiume M, Hagiwara K, Yamakawa Y, Terao K, Sata T. Atypical L-type bovine spongiform encephalopathy (L-BSE) transmission to cynomolgus macaques, a non-human primate. *Jpn J Infect Dis.* 2011;64(1):81-4.