

## 20. Influenza Virus Research Center

1. Takashita E, Kiso M, Fujisaki S, Yokoyama M, Nakamura K, Shirakura M, Sato H, Odagiri T, Kawaoka Y, Tashiro M. Characterization of a large cluster of influenza A(H1N1)pdm09 viruses cross-resistant to oseltamivir and peramivir during the 2013-2014 influenza season in Japan. *Antimicrob Agents Chemother*. 2015 May;59(5):2607-17.
2. Takashita E, Meijer A, Lackenby A, Gubareva L, Rebelo-de-Andrade H, Besselaar T, Fry A, Gregory V, Leang SK, Huang W, Lo J, Pereyaslov D, Siqueira MM, Wang D, Mak GC, Zhang W, Daniels RS, Hurt AC, Tashiro M. Global update on the susceptibility of human influenza viruses to neuraminidase inhibitors, 2013-2014. *Antiviral Res*. 2015 May;117:27-38.
3. Sriwilaijaroen N, Suzuki K, Takashita E, Hiramatsu H, Kanie O, Suzuki Y. 6SLN-lipo PGA specifically catches (coats) human influenza virus and synergizes neuraminidase-targeting drugs for human influenza therapeutic potential. *J Antimicrob Chemother*. 2015 Oct;70(10):2797-809.
4. Takashita E, Fujisaki S, Shirakura M, Nakamura K, Kishida N, Kuwahara T, Ohmiya S, Sato K, Ito H, Chiba F, Nishimura H, Shindo S, Watanabe S, Odagiri T; Influenza Virus Surveillance Group of Japan. Characterization of an A (H1N1)pdm09 Virus Imported from India in March 2015. *Jpn J Infect Dis*. 2016;69(1):83-6.
5. Zhao D, Fukuyama S, Sakai-Tagawa Y, Takashita E, Shoemaker JE, Kawaoka Y. C646, a Novel p300/CREB-Binding Protein-Specific Inhibitor of Histone Acetyltransferase, Attenuates Influenza A Virus Infection. *Antimicrob Agents Chemother*. 2015 Dec 28;60(3):1902-6.
6. Takayama I, Hieu NT, Shirakura M, Nakauchi M, Fujisaki S, Takahashi H, Nagata S, Long NT, Odagiri T, Tashiro M, Kageyama T. Novel Reassortant Avian Influenza A(H5N1) Virus in Human, Southern Vietnam, 2014. *Emerg Infect Dis*. 2016 Mar;22(3).
7. Nakamura K, Shirakura M, Suzuki Y, Naito T, Fujisaki S, Tashiro M, Nobusawa E. Development of a high-yield reassortant influenza vaccine virus derived from the A/Anhui/1/2013 (H7N9) strain. *Vaccine*. 2016. Jan. 34(3) 328-33.
8. Rhee SY, Blanco JL, Jordan MR, Taylor J, Lemey P, Varghese V, Hamers RL, Bertagnolio S, Rinke de Wit TF, Aghokeng AF, Albert J, Avi R, Avila-Rios S, Bessong PO, Brooks JI, Boucher CA, Brumme ZL, Busch MP, Bussmann H, Chaix ML, Chin BS, D'Aquin TT, De Gascun CF, Derache A, Descamps D, Deshpande AK, Djoko CF, Eshleman SH, Fleury H, Frange P, Fujisaki S, Harrigan PR, Hattori J, Holguin A, Hunt GM, Ichimura H, Kaleebu P, Katzenstein D, Kiertiburanakul S, Kim JH, Kim SS, Li Y, Lutsar I, Morris L, Ndembu N, Ng KP, Paranjape RS, Peeters M, Poljak M, Price MA, Ragonnet-Cronin ML, Reyes-Terán G, Rolland M, Sirivichayakul S, Smith DM, Soares MA, Soriano VV, Ssemwanga D, Stanojevic M, Stefani MA, Sugiura W, Sungkanuparph S, Tanuri A, Tee KK, Truong HH, van de Vijver DA, Vidal N, Yang C, Yang R, Yebra G, Ioannidis JP, Vandamme AM, Shafer RW. Geographic and temporal trends in the molecular epidemiology and genetic mechanisms of transmitted HIV-1 drug resistance: an individual-patient- and sequence-level meta-analysis. *PLoS Med*. 2015 Apr 7;12(4):e1001810.
9. Li TC, Yang T, Yoshizaki S, Ami Y, Suzaki Y, Ishii K, Kishida N, Shirakura M, Asanuma H, Takeda N, Wakita T. Ferret hepatitis E virus infection induces acute hepatitis and persistent infection in ferrets. *Vet Microbiol*. 183: 30-36. 2016.
10. Shoemaker JE, Fukuyama S, Eisfeld AJ, Zhao D, Kawakami E, Sakabe S, Maemura T, Gorai T, Katsura H, Muramoto Y, Watanabe S, Watanabe T, Fuji K, Matsuoka Y, Kitano H, Kawaoka Y. An Ultrasensitive Mechanism Regulates Influenza Virus-Induced Inflammation. *PLoS Pathog*. 11:e1004856, 2015.
11. Zhao D, Fukuyama S, Yamada S, Lopes TJ, Maemura T, Katsura H, Ozawa M, Watanabe S, Neumann G,

- Kawaoka Y. Molecular Determinants of Virulence and Stability of a Reporter-Expressing H5N1 Influenza A Virus. *J Virol.* 89:11337-11346, 2015.
12. Katsura H, Fukuyama S, Watanabe S, Ozawa M, Neumann G, Kawaoka Y. Amino acid changes in PB2 and HA affect the growth of a recombinant influenza virus expressing a fluorescent reporter protein. *Sci Rep.* 6:19933, 2016.
13. Shimasaki N, Nojima Y, Okaue A, Takahashi H, Kageyama T, Hamamoto I, Shinohara K. A Novel Method of Safely Measuring Influenza Virus Aerosol Using Antigen-Capture Enzyme-Linked Immunosorbent Assay for the Performance Evaluation of Protective Clothing Materials. *Biocontrol Sci.*, 2016;21(2):81-89.
14. Shimasaki N, Hara M, Kikuno R, Shinohara K. A highly sensitive assay using synthetic blood containing test microbes for evaluation of the penetration resistance of protective clothing material under applied pressure. *Biocontrol Sci.*, 2016;21(3):161-169.
15. Sugimura T, Takahashi H, Jounai K, Ohshio K, Kanayama M, Tazumi K, Tanihata Y, Miura Y, Fujiwara D and Yamamoto N. Effects of oral intake of plasmacytoid dendritic cells-stimulative lactic acid bacterial strain on pathogenesis of influenza-like illness and immunological response to influenza virus. *British Journal of Nutrition*, 114(5):727-733, 2015.
16. Ainai A, Hasegawa H, Obuchi M, Odagiri T, Ujike M, Shirakura M, Nobusawa E, Tashiro T, Asanuma H. Host adaptation and the alteration of viral properties of the first influenza A/H1N1pdm09 virus isolated in Japan. *PLOS ONE* 2015; 10(6): e0130208.
17. Asanuma H, Ohori J, McGhee JR, Fujihashi K. Past Efforts and Future Prospects for a Nasal Influenza Vaccine. *Clinical Immunology, Endocrine & Metabolic Drugs*. 2015 VOL.2 ISSUE:1 13-26.