

16. Division of Experimental animal Research

- 1) Hirai A, Ohtsuka N, Ikeda T, Taniguchi R, Blau D, Nakagaki K, Suzuki MH, Ami Y, Yamada KY, Itohara S, Holmes VK and Taguchi F : Role of mouse hepatitis virus (MHV) receptor mCEACAM1 in the resistance of mice to MHV infection: Studies on mice with chimeric mCEACAM1a and 1b. *Journal of Virology*. 84: 6654-6666. 2010
- 2) Shirato K, Maejima M, Hirai A, Ami Y, Takeyama N, Tsuchiya K, Kusanagi K, Nunoya T and Taguchi F : Enhanced cell fusion activity in porcine epidemic diarrhea virus adapted to suckling mice. *Archive of Virology*. 155: 1989-1995. 2010
- 3) Ichinohe T, Ainai A, Ami Y, Nagata N, Iwata N, Kawaguchi A, Suzuki Y, Odagiri T, Tashiro M, Takahashi H, Strayer DR, Carter WA, Chiba J, Tamura S, Sata T, Kurata T, Hasegawa H : Intranasal administration of adjuvant-combined vaccine protects monkeys from challenge with the highly pathogenic influenza A H5N1 virus. *J Med Virol*. 82:1754-61. 2010
- 4) 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 Research* 55: 147-55. 2010
- 5) 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 : Novel DNA virus isolated from samples showing endothelial cell necrosis in the Japanese eel, *Anguilla japonica*. *Virology*. 412: 179-87. 2011
- 6) Abe M, Ito N, Sakai K, Kaku Y, Oba M, Nishimura M, Kurane I, Saijo M, Morikawa S, Sugiyama M, Mizutani T : A novel sapelovirus-like virus isolation from wild boar. *Virus Genes*. in press. 2011