

13. Department of Safety Research on Blood and Biological Products

- 1) Kuramitsu M, Okuma K, Yamochi T, Sato T, Sasaki D, Hasegawa H, Umeki K, Kubota R, Sobata R, Matsumoto C, Kaneko N, Naruse I, Yamagishi M, Nakashima M, Momose H, Araki K, Mizukami T, Mizusawa S, Okada Y, Ochiai M, Utsunomiya A, Koh K-R, Ogata M, Nosaka K, Uchimaru K, Iwanaga M, Sagara Y, Yamano Y, Satake M, Okayama A, Mochizuki M, Izumo S, Saito S, Itabashi K, Kamihira S, Yamaguchi K, Watanabe T, Hamaguchi I: Standardization of quantitative PCR for human T-cell leukemia virus type 1 in Japan: A collaborative study. *J. Clin. Microbiol.* 2015;53(11):3485-3491.
- 2) Hashimoto M, Nasser H, Bhuyan F, Kuse N, Satou Y, Harada S, Yoshimura K, Sakuragi J, Monde K, Maeda Y, Welbourn S, Strebel K, Abd El-Wahab EW, Miyazaki M, Hattori S, Chutiwitoochai N, Hiyoshi M, Oka S, Takiguchi M, Suzu S. Fibrocytes Differ from Macrophages but Can Be Infected with HIV-1. *J. Immunol.*, 195, 4341-4350, 2015.
- 3) Hiyoshi M, Okuma K, Tateyama S, Takizawa K, Saito M, Kuramitsu M, Araki K, Morishita K, Okada S, Yamamoto N, Biragyn A, Yamaguchi K, Hamaguchi I. Furin-dependent CCL17-fused recombinant toxin controls HTLV-1 infection by targeting and eliminating infected CCR4-expressing cells in vitro and in vivo. *Retrovirology*, 12: 73, 2015.
- 4) Okuma K, Fukagawa K, Tateyama S, Kohma T, Mochida K, Hiyoshi M, Takahama Y, Hamaguchi Y, Hirose K, Buonocore L, Rose JK, Mizuochi T, Hamaguchi I. Development of an infectious surrogate hepatitis C virus based on a recombinant vesicular stomatitis virus expressing hepatitis C virus envelope glycoproteins and green fluorescent protein. *Jpn. J. Infect. Dis.*, 68, 203-208, 2015.
- 5) Kobayashi M, Yoshizumi S, Kogawa S, Takahashi T, Ueki Y, Shinohara M, Mizukoshi F, Tsukagoshi H, Sasaki Y, Suzuki R, Shimizu H, Iwakiri A, Okabe N, Shirabe K, Shinomiya H, Kozawa K, Kusunoki H, Ryo A, Kuroda M, Katayama K, Kimura H. Molecular Evolution of the Capsid Gene in Norovirus Genogroup I. *Sci. Rep.* 5: 13806, 2015
- 6) Momose H, Mizukami T, Kuramitsu M, Takizawa K, Masumi A, Araki K, Furuhashi K, Yamaguchi K, Hamaguchi I. Establishment of a new quality control and vaccine safety test for influenza vaccines and adjuvants using gene expression profiling. *PLoS One.* 2015; 10: e0124392.
- 7) Sasaki E, Iida A, Oda S, Tsuneyama K, Fukami T, Nakajima M, Yokoi T, Pathogenetic analyses of carbamazepine-induced liver injury in F344 rats focused on immune- and inflammation-related factors. *Exp. Toxicol. Pathol.* 2016; 68, 27–38,
- 8) Hashimoto M, Bhuyan F, Hiyoshi M, Noyori O, Nasser H, Miyazaki M, Saito T, Kondoh Y, Osada H, Kimura S, Hase K, Ohno H, Suzu S, Potential Role of the Formation of Tunneling Nanotubes in HIV-1 Spread in Macrophages 2016, *J. Immunol.* 2016; 196, 1832-1841.
- 9) Isaka M, Tatsuno I, Maeyama J, Matsui H, Zhang Y, Hasegawa T. The YvqE two-component system controls biofilm formation and acid production in *Streptococcus pyogenes*. *APMIS.* 2016, 124(7), 574-85.
- 10) Buono M, Facchini R, Matsuoka S, Thongjuea S, Waithe D, Luis TC, Giustacchini A, Besmer P, Mead AJ, Jacobsen SE, Nerlov C. A dynamic niche provides Kit ligand in a stage-specific manner to the earliest thymocyte progenitors. *Nat. Cell. Biol.*, 2016; 18:157- 67.
- 11) Kuribayashi W, Takizawa K, Sugata K, Kuramitsu M, Sasaki E, Hiradate Y, Furuhata K, Asada Y, Iwama A, Matsuoka M, Mizukami T, Hamaguchi I. Impact of the SCF signaling pathway on leukemia stem cell-mediated ATL initiation and progression in an HBZ transgenic mouse model, *Oncotarget*, in press
- 12) Utsugisawa T, Uchiyama T, Toki T, Ogura H, Aoki T, Hamaguchi I, Ishiguro A, Ohara A, Kojima S, Ohga S: Ito E, Kanno H, Red cell reduced glutathione is a novel biomarker of Diamond- Blackfan Anemia. *Blood Cell. Mol. Dis.*, in press
- 13) Ohsaka A, Kato H, Kino S, Kawabata K, Kitazawa J, Sugimoto T, Takeshita A, Baba K, Hamaguchi M, Fuji Y, Horiuchi K, Yonemura Y, Hamaguchi I, Handa M, on behalf of the Japan Society of Transfusion Medicine and Cell Therapy Working Party on Safety Management of Blood Transfusions: Recommendations for the electronic pre-transfusion check for blood administration at the bedside. *Blood Transfusion*, In press
- 14) Satake M, Iwanaga M, Sagara Y, Watanabe T, Okuma K, Hamaguchi I. Incidence of new HTLV-1 infections among adolescents and adults in Japan: a nationwide retrospective cohort analysis of repeat blood donors.

The Lancet Infectious Diseases In press

15) Masumi A, Mochida K, Takizawa K, Mizukami T, Kuramitsu M, Tsuruhara M, Mori S, Shibayama K, Yamaguchi K, Hamaguchi I, Mycobacterium avium infection induces the resistance of the interferon- γ response in mouse spleen cells at late stages of infection.

Inflammation and Regeneration In press

16) Tezuka K, Kuramitsu M, Okuma K, Nojima K, Araki K, Shinohara N, Matsumoto C, Satake M, Takasaki T, Saijo M, Kurane I, Hamaguchi I, Development of a novel dengue virus serotype-specific multiplex real-time RT-PCR assay for blood screening *Transfusion In press*