

13. Department of Safety Research on Blood and Biological Products

- 1) 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 reverse transcription-polymerase chain reaction assay for blood screening. *Transfusion*. 2016; 56: 3094-3100.
- 2) Luis TC, Luc S, Mizukami T, Boukarabila H, Thongjuea S, Woll PS, Azzoni E, Giustacchini A, Lutteropp M, Bouriez-Jones T, Vaidya H, Mead AJ, Atkinson D, Böiers C, Carrelha J, Macaulay IC, Patient R, Geissmann F, Nerlov C, Sandberg R, de Bruijn MFTR, Blackburn CC, Godin I, Jacobsen SEW. Initial seeding of the embryonic thymus by immune-restricted lympho-myeloid progenitors. *Nat Immunol*. 2016; 17: 1424-1435.
- 3) 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*, 2016; 36: 21.
- 4) Kuribayashi W, Takizawa K, Sugata K, Kuramitsu M, Momose H, 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*, 2016; 7: 51027-51043.
- 5) 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*, 2016; 14: 419-24.
- 6) 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*, 2016; 59:31-6.
- 7) Matsushita N, Suzuki M, Ikebe E, Nagashima S, Inatome R, Asano K, Tanaka M, Matsushita M, Kondo E, Iha H, Yanagi S. Regulation of B cell differentiation by the ubiquitin-binding protein TAX1BP1. *Sci Rep*, 2016; 6: 31266.
- 8) Satake M, Iwanaga M, Sagara Y, Watanabe T, Okuma K, Hamaguchi I. Incidence of human T-lymphotropic virus 1 infection in adolescent and adult blood donors in Japan: a nationwide retrospective cohort analysis. *Lancet Infect Dis*, 2016; 16: 1246-1254.
- 9) Sasaki E, Kuramitsu M, Momose H, Kobiyama K, Aoshi T, Yamada H, Ishii KJ, Mizukami T, Hamaguchi I. A novel vaccinological evaluation of intranasal vaccine and adjuvant safety for preclinical tests. *Vaccine*. 2017; 35: 821-830.
- 10) 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: 574-85.
- 11) Lee S, Hiradate Y, Hoshino Y, Ko YG, Tanemura K, Sato E. Localization and quantitative analysis of Cx43 in porcine oocytes during in vitro maturation. *Zygote*, 2016; 24: 364-70.
- 12) Nojima K, Okuma K, Ochiai M, Kuramitsu M, Tezuka K, Ishii M, Ueda S, Miyamoto T, Kamimura K, Kou E, Uchida S, Watanabe Y, Okada Y, Hamaguchi I. Establishment of a reference material for standardization of the anti-complementary activity test in intravenous immunoglobulin products used in Japan: A collaborative study. *Biologicals*, 2017; 46: 68-73.
- 13) Umezu K, Hiradate Y, Oikawa T, Ishiguro H, Numabe T, Hara K, Tanemura K. Exogenous neurotensin modulates sperm function in Japanese Black cattle. *J Reprod Dev*. 2016; 62: 409-14.
- 14) Kusunoki H, Tanaka T, Kohno T, Kimura H, Hosoda K, Wakamatsu K, Hamaguchi I. Expression, purification and characterization of hepatitis B virus X protein BH3-like motif-linker-Bcl-x_L fusion protein for structural studies. *Biochem Biophys Rep*, 2017; 9: 159-165.
- 15) Nishimura, K, Tanio, M, Tuzi, S. Structure and dynamics of membrane-bound proteins In: *Modern Magnetic Resonance*, 2016: pp1-13.
- 16) Sasaki E, Momose H, Hiradate Y, Furuhata K, Takai M, Kamachi K, Asanuma H, Ishii KJ, Mizukami T, Hamaguchi I. Evaluation of marker gene expression as a

potential predictive marker of leukopenic toxicity for inactivated influenza vaccines, *Biologicals, In press*

- 17) Nakatsu N, Igarashi Y, Aoshi T, Hamaguchi I, Saito M, Mizukami T, Momose H, Ishii KJ, Yamada H. Isoflurane is a suitable alternative to ether for anesthetizing rats prior to euthanasia for gene expression analysis. *J Toxicol Sci, In press*
- 18) Mead AJ, Neo WH, Barkas N, Matsuoka S, Giustacchini A, Facchini R, Thongjuea S, Jamieson L, Booth CAG, Fordham N, Di Genua C, Atkinson D, Chowdhury O, Repapi E, Gray N, Kharazi S, Clark SA, Bouriez T, Woll P, Suda T, Nerlov C, Jacobsen SEW. Niche-mediated depletion of the normal hematopoietic stem cell reservoir by Flt3-ITD-induced myeloproliferation. *J Exp Med, In press*
- 19) Umezu K, Hiradate Y, Numabe T, Hara K, Tanemura K. Effects on glycoalyx structures of frozen-thawed bovine sperm induced by flow cytometry and artificial capacitation. *J Reprod Dev, In press*
- 20) Okuma K, Fukagawa K, Kohma T, Takahama Y, Hamaguchi Y, Ito M, Tanaka Y, Buonocore L, Rose JK, Hamaguchi I. A recombinant vesicular stomatitis virus encoding CCR5-tropic HIV-1 receptors targets HIV-1-infected cells and controls HIV-1 infection. *Microbes and Infection. In press*
- 21) Kuramitsu M, Sekizuka T, Yamochi T, Firouzi S, Sato T, Umeki K, Sasaki D, Hasegawa H, Kubota R, Sobata R, Matsumoto C, Kaneko N, Momose H, Araki K, Saito M, Nosaka K, Utsunomiya A, Koh Ki-R, Ogata M, Uchimaru K, Iwanaga M, Sagara Y, Yamano Y, Okayama A, Miura K, Satake M, Saito S, Itabashi K, Yamaguchi K, Kuroda M, Watanabe T, Okuma K, Hamaguchi I. Proviral features of human T cell leukemia virus type 1 in carriers with indeterminate western blot results. *J. Clin. Microbiol, In press*