

18. AIDS Research Center

- 1) Ono T, Fujita Y, Matano T, Takahashi S, Morio T, Kawana-Tachikawa A: Characterization of in vitro expanded virus-specific T cells toward adoptive immunotherapy against virus infection. *Jpn J Infect Dis* 71:122-128, 2018.
- 2) Saso W, Tsukuda S, Ohashi H, Fukano K, Morishita R, Matsunaga S, Ohki M, Ryo A, Park S-Y, Suzuki R, Aizaki H, Muramatsu M, Sureau C, Wakita T, Matano T, Watashi K: A new strategy to identify hepatitis B virus entry inhibitors by AlphaScreen technology targeting the envelope-receptor interaction. *Biochem Biophys Res Commun* 501:374-379, 2018.
- 3) Kato H, Kanou K, Arima Y, Ando F, Matsuoka S, Yoshimura K, Matano T, Matsui T, Sunagawa T, Oishi K: The importance of accounting for testing and positivity in surveillance by time and place: an illustration from HIV surveillance in Japan. *Epidemiol Infect* 146:2072-2078, 2018.
- 4) Naruse TK, Akari H, Matano T, Kimura A: Diversity of ULBP5 in the Old World monkey (Cercopithecidae) and divergence of ULBP gene family in primates. *Proc Jpn Acad Ser B Phys Biol Sci* 94:441-453, 2018.
- 5) Kobayakawa T, Ohashi N, Hirota Y, Takahashi K, Yamada Y, Narumi T, Yoshimura K, Matsushita S, Harada S, Tamamura H: Flexibility of small molecular CD4 mimics as HIV entry inhibitors. *Bioorg Med Chem* 26:5664-5671, 2018.
- 6) Kaweewan I, Hemmi H, Komaki H, Harada S, Kodani S: Isolation and structure determination of a new lasso peptide specialicin based on genome mining. *Bioorg Med Chem* 26:6050-6055. 2018.
- 7) Higaki K, Hirao M, Kawana-Tachikawa A, Iriguchi S, Kumagai A, Ueda N, Bo W, Kamabayashi S, Watanabe A, Nakauchi H, Suzuki K, Kaneko S: Generation of HIV-Resistant Macrophages from iPSCs by Using Transcriptional Gene Silencing and Promoter-Targeted RNA. *Mol Ther Nucleic Acids* 12:793-804, 2018.
- 8) Nishiyama-Fujita Y, Kawana-Tachikawa A, Ono T, Tanaka Y, Kato T, Heslop HE, Morio T, Takahashi S: Generation of multivirus-specific T cells by a single stimulation of peripheral blood mononuclear cells with a peptide mixture using serum-free medium. *Cytotherapy* 20:1182-1190, 2018.
- 9) Siarot L, Chutiwittonchai N, Sato H, Chang H, Sato M, Fujino M, Murakami T, Aono T, Kodama E, Kuroda K, Takei M, Aida Y: Identification of human immunodeficiency virus type-1 Gag-TSG101 interaction inhibitors by high-throughput screening. *Biochem Biophys Res Commun* 503(4): 2970-2976, 2018.
- 10) Zhou W, Wang Y, Fujino M, Shi L, Jin L, Li XK, Wang J: Significant genes reveal acute rejection in murine allograft models: a standardized fold change method for microarray differential expression analysis. *FEBS Open Bio* 8(3):481-490, 2018.
- 11) Joyce D, Fujino M, Morita M, Araki R, Fung J, Qian S, Lu L, Li XK: Induced pluripotent stem cells-derived myeloid-derived suppressor cells regulate the CD8⁺ T cell response. *Stem Cell Res* 29:32-41, 2018.
- 12) Zhao M, Yang M, Que W, Zhong L, Fujino M, Li XK: Myeloid heme oxygenase-1: a new therapeutic target in anti-inflammation. *Front Biosci (Landmark Ed)* 23:2001-2015, 2018.
- 13) Li S, Fujino M, Ichimaru N, Kurokawa R, Hirano S, Mou L, Takahara S, Takahara T, Li XK: Molecular hydrogen protects against ischemia-reperfusion injury in a mouse fatty liver model via regulating HO-1 and Sirt1 expression. *Sci Rep* 8(1):14019, 2018.
- 14) Liu C, Yang X, Zhu P, Fujino M, Ito H, Takahashi K, Nakajima M, Tanaka T, Wang J, Zhuang J, Zou H, Li XK: Combination of 5-aminolevulinic acid and iron prevents skin fibrosis in murine sclerodermatous graft-versus-host disease. *Exp Dermatol* 27(10):1104-1111, 2018.
- 15) Takahashi N, Matsuoka S, Minh TTT, Ba HP, Naruse TK, Kimura A, Shiino T, Kawana-Tachikawa A, Ishikawa K, Matano T, Thi LAN: Human leukocyte antigen-associated gag and nef polymorphisms in HIV-1 subtype A/E-infected individuals in Vietnam. *Microbes Infect* 21:113-118, 2019.
- 16) Tsukamoto T, Yamamoto H, Matano T: CD8⁺ cytotoxic T lymphocyte breadth could facilitate early immune detection of immunodeficiency virus-derived epitopes with limited expression levels. *mSphere* 4:e00381-18, 2019.
- 17) Hau TTT, Nakamura-Hoshi M, Kanno Y, Nomura T, Nishizawa M, Seki S, Ishii H, Kawana-Tachikawa A, Hall WW, Nguyen LAT, Matano T, Yamamoto H: CD8⁺ T cell-based strong selective pressure on multiple simian immunodeficiency virus targets in macaques possessing a

protective MHC class I haplotype. Biochem Biophys Res Commun 512:213-217, 2019.

- 18) Kobayakawa T, Konno K, Ohashi N, Takahashi K, Masuda A, Yoshimura K, Harada S, Tamamura H: Soluble-type small-molecule CD4 mimics as HIV entry inhibitors. Bioorg Med Chem Lett 29:719-723, 2019.
- 19) Nakata H, Maeda K, Das D, Chang SB, Matsuda K, Rao KV, Harada S, Yoshimura K, Ghosh Ak, Mitsuya H: Activity and structural analysis of GRL-117C: a novel small molecule CCR5 inhibitor active against R5-tropic HIV-1s. Sci Rep 18:4828, 2019.
- 20) Hikichi Y, Takeda E, Fujino M, Nakayama E, Matano T, Murakami T: HIV-1 matrix mutations that alter Gag membrane binding modulate mature core formation and post-entry events. Virology 532:97-107, 2019.
- 21) Abana CZ, Sagoe KWC, Bonney EY, Maina EK, Aziati ID, Agbosu E, Mawuli G, Styler LM, Ishikawa K, Brandful JAM, Ampofo WK. Drug resistance mutations and viral load in human immunodeficiency virus type 2 and dual HIV-1/HIV-2 infected patients in Ghana. Medicine (Baltimore) 98(6):e14313, 2019.
- 22) Sakyiamah MM, Kobayakawa T, Fujino M, Konno M, Narumi T, Tanaka T, Nomura W, Yamamoto N, Murakami T, Tamamura H: Design, synthesis and biological evaluation of low molecular weight CXCR4 ligands. Bioorg Med Chem 27: 1130-1138, 2019.
- 23) Kobayakawa T, Ebihara K, Honda Y, Fujino M, Nomura W, Yamamoto N, Murakami T, Tamamura H: Dimeric C34 derivatives linked through disulfide bridges as new HIV-1 fusion inhibitors. ChemBioChem 20:2101-2108, 2019.
- 24) Adusei-Poku MA, Matsuoka S, Bonney EY, Abana CZ, Duker EO, Nii-Trebi NI, Ofori SB, Mizutani T, Ishizaka A, Shiino T, Kawana-Tachikawa A, Ishikawa K, Ampofo WK, Matano T: Human leukocyte antigen-associated HIV-1 CRF02_AG gag and vif polymorphisms in Ghana. Jpn J Infect Dis, in press.