

研究成果の刊行

- (1) Sakai E, Ohata K, Chiba H, Matsubashi N, Doi N, Fukushima J, Endo H, Takahashi H, Tsuji S, Yagi K, Matsusaka K, Aburatani H, Nakajima A, Kaneda A. Methylation epigenotypes and genetic features in colorectal laterally spreading tumors. **Int J Cancer**, 135:1586-95, 2014.
- (2) Takane K, Midorikawa Y, Yagi K, Sakai A, Aburatani H, Takayama T, Kaneda A. Aberrant promoter methylation of PPP1R3C and EFHD1 in plasma of colorectal cancer patients. **Cancer Med**, 3:1235-45, 2014
- (3) Kaneda A, Matsusaka K, Sakai E, Funata S. DNA methylation accumulation and its predetermination of future cancer phenotypes. **J Biochem**, 156:63-72, 2014.
- (4) Kaneda A, Yagi K. Quantitative DNA methylation analysis for epigenotyping of colorectal cancer. **Methods Mol Biol**. 1238:289-99, 2015
- (5) Uekusa S, Kawashima H, Sugito K, Yoshizawa S, Shinojima Y, Igarashi J, Ghosh S, Wang X, Fujiwara K, Ikeda T, Koshinaga T, Soma M and Nagase H. Nr4a3, a possible oncogenic factor for neuroblastoma associated with CpGi methylation within the third exon. **Int J Oncol** 44:1669-77, 2014. doi: 10.3892/ijo.2014.2340.
- (6) Tsunemi A, Ueno T, Fukuda N, Watanabe T, Tahira K, Haketa A, Hatanaka Y, Tanaka S, Matsumoto T, Matsumoto Y, Nagase H, Soma M. A novel gene regulator, pyrrole-imidazole polyamide targeting ABCA1 gene increases cholesterol efflux from macrophages and plasma HDL concentration. **J Mol Med**. 92:509-21, 2014. doi: 10.1007/s00109-013-1118-x.
- (7) Kojima T, Wang X, Fujiwara K, Osakaa S, Yoshida Y, Osaka E, Taniguchi M, Ueno T, Fukuda N, Soma M, Tokuhashi Y, Nagase H. Inhibition of human osteosarcoma cell migration and invasion by a gene silencer, Pyrrole-Imidazole polyamide, targeting to the human MMP9 NFkB binding site. **Biol Pharm Bull** 37:1460-5, 2014.
- (8) Hasegawa R, Fujiwara K, Obinata D, Kawashima H, Shinojima Y, Igarashi J, Wang X, Ghosh S, Nagase H, Takahashi S. Identification of Frequent Differentially Methylated Region in Sporadic Bladder Cancers. **Urol Int**. 2014 Sep 6. [Epub ahead of print]
- (9) Obinata D, Ito A, Fujiwara K, Takayama K, Ashikari D, Murata Y, Yamaguchi K, Urano T, Fujimura T, Fukuda N, Soma M, Watanabe T, Nagase H, Inoue S, Takahashi S. Pyrrole-imidazole polyamide targeted to break fusion sites in TMPRSS2 and ERG gene fusion represses prostate tumor growth. **Cancer Sci** 105:1272-78, 2014.
- (10) Fujiwara K, Ghosh S, Liang P, Morien E, Soma M, Nagase H. Genome-wide screening of aberrant DNA methylation which associated with gene expression in mouse skin cancers. **Mol Carcinog** 54:178-88, 2015. doi: 10.1002/mc.22085.
- (11) Akter J, Takatori A, Islam S, Nakazawa A, Ozaki T, Nagase H, Nakagawara A. Intracellular fragment of NLRR3 (NLRR3-ICD) stimulates ATRA-dependent neuroblastoma differentiation.

- Biochemi Biophys Res Commun**
453:86-93, 2014.
doi:10.1016/j.bbrc.2014.09.065.
- (12) Ozaki T, Sugimoto H, Nakamura M, Hiraoka K, Yoda H, Sang M, Fujiwara K, Nagase H Runt-related transcription factor 2 attenuates the transcriptional activity as well as DNA damage-mediated induction of pro-apoptotic TAp73 to regulate chemo-sensitivity. **FEBS J** 282: 114-28, 2015. doi: 10.1111/febs.13108.
- (13) Mishra R, Watanabe T, Kimura M, Koshikawa N, Ikeda M, Uekusa S, Kawashima H, Wang X, Igarashi J, Choudhury D, Grandori C, Kemp C, Ohira M, Verma N, Kobayashi Y, Takeuchi J, Koshinaga T, Nemoto N, Fukuda N, Soma M, Kusafuka T, Fujiwara K, Nagase H. Identification of a novel E-box binding PI polyamide inhibiting MYC-driven cell-proliferation. **Cancer Sci** 2015 Jan 22. [Epub ahead of print] doi: 10.1111/cas.12610.
- (14) Hiraoka K, Inoue T, Taylor RD, Watanabe T, Koshikawa N, Hiroyuki, Yoda H, Shinohara K, Takatori A, Sugimoto H, Maru Y, Denda T, Fujiwara K, Balmain A, Ozaki T, Bando T, Sugiyama H, Nagase H. Inhibition of KRAS codon 12 mutants using a novel DNA-alkylating pyrrole-imidazole polyamide conjugate. **Nat Commun**, in press. doi: 10.1038/ncomms7706