

**Division  
of  
Molecular Virology  
and Oncology**

## Publications

1. Takino, T., Watanabe, Y., Matsui, M., Miyamori, H., Kudo, T., Seiki, M. and Sato, H. (2006) Membrane-type 1 matrix metalloproteinase modulates focal adhesion stability and cell migration. *Exp. Cell Res.*, 312, 1381-1389.
2. Ahmad, M., Takino, T., Miyamori, H., Yoshizaki, T., Furukawa, M. and Sato H (2006) Cleavage of Amyloid-  $\beta$  Precursor Protein (APP) by Membrane-Type Matrix Metalloproteinases. *J. Biochem.*, 139, 517-526.
3. Lafleur, M.A., Mercuri, F.A., Ruangpanit, N., Seiki, M., Sato, H., Thompson, E.W. (2006) Type I collagen abrogates the clathrin-mediated internalization of membrane type 1 matrix metalloproteinase (MT1-MMP) via the MT1-MMP hemopexin domain. *J. Biol. Chem.*, 281, 6826-6840.
4. Nozaki S, Endo Y, Nakahara H, Yoshizawa K, Ohara T, Yamamoto E. (2006) Targeting urokinase-type plasminogen activator and its receptor for cancer therapy. *Anticancer Drugs*. 17(10):1109-17. Review.
5. Yonemura Y, Endou Y, Tabachi K, Kawamura T, Yun HY, Kameya T, Hayashi I, Bandou E, Sasaki T, Miura M. (2006) Evaluation of lymphatic invasion in primary gastric cancer by a new monoclonal antibody, D2-40. *Hum Pathol*. 37(9):1193-9.
6. Yonemura Y, Bandou E, Sawa T, Yoshimitsu Y, Endou Y, Sasaki T, Sugarbaker PH. (2006) Neoadjuvant treatment of gastric cancer with peritoneal dissemination. *Eur J Surg Oncol*. 32(6):661-5.
7. Yonemura Y, Bandou E, Kawamura T, Endou Y, Sasaki T. (2006) Quantitative prognostic indicators of peritoneal dissemination of gastric cancer. *Eur J Surg Oncol*. 32(6):602-6. Review.
8. Yoshizaki, T., Endo, K., Ren, Q., Wakisaka, N., Muro, S., Kondo, S., Sato, H., Furukawa, M. (2007) Oncogenic role of Epstein-Barr virus-encoded small RNAs (EBERs) in nasopharyngeal carcinoma. *Auris Nasus Larynx* 34, 73-78.
9. Kudo, T., Takino, T., Miyamori, H., Thompson, E.W. and Sato H. (2007) Substrate choice of membrane-type matrix metalloproteinase-1 is dictated by tissue inhibitor of matrix metalloproteinase-2 levels. *Cancer Sci.*, 98, 563-568.
10. Bayarsaikhan, B., Takino, T., Gantulga, D., Sato, H., Ito, T. and Yoshioka, K. (2007) Regulation of N-cadherin- based cell-cell interaction by JSAP1 scaffold in PC12h cells. *Biochem. Biophys. Res. Commun.*, 353, 357-362.
11. Yana, I., Sagara, H., Takaki, S., Takatsu, K., Nakamura, K., Nakao, K., Katsuki, M., Taniguchi, S., Aoki, T., Sato, H., Weiss, S.J. and Seiki M. (2007) Crosstalk between neovessels and mural cells directs the site-specific expression of MT1-MMP to endothelial tip cells. *J. Cell Sci.*, 120, 1607-1614.
12. Abd, El-Aziz, S.H., Endo, Y., Miyamaori, H., Takino, T. and Sato H. (2007) Cleavage of growth differentiation factor 15 (GDF15) by membrane type 1-matrix metalloproteinase abrogates

- GDF15-mediated suppression of tumor cell growth. *Cancer Sci.*, 98, 1330-1335.
13. Takino, T., Saeki, H., Miyamori, H., Kudo, T. and Sato, H. (2007) Inhibition of Membrane-Type Matrix Metalloproteinase at Cell-Matrix Adhesions. *Cancer Res.*, 67, 11621-11629.
  14. Yonemura Y, Endo Y, Obata T, Sasaki T. (2007) Recent advances in the treatment of peritoneal dissemination of gastrointestinal cancers by nucleoside antimetabolites. *Cancer Sci.* 98(1): 11-18. Review.
  15. Yonemura Y, Bando E, Kawamura T, Ito H, Endo Y, Miura M, Kiyosaki K, Sasaki T. (2007) Cytoreduction and intraperitoneal chemotherapy for carcinomatosis from gastric cancer. *Cancer Treat Res.* 134:357-73.
  16. Watanabe J, Endo Y, Shimada N, Natsume T, Sasaki T, Kobayashi M. (2007) Antiangiogenic activity of TZT-1027 (soblidotin) on chick chorioallantoic membrane and human umbilical vein endothelial cells. *In Vivo.* 21(2):297-304.
  17. Yonemura Y, Kawamura T, Bandou E, Tsukiyama G, Nemoto M, Endou Y, Miura M. (2007) Advances in the management of gastric cancer with peritoneal dissemination. *Recent Results Cancer Res.* 169:157-64.
  18. Yonemura Y, Kawamura T, Bandou E, Tsukiyama G, Endou Y, Miura M. (2007) The natural history of free cancer cells in the peritoneal cavity. *Recent Results Cancer Res.* 169:11-23.
  19. Yonemura Y, Endo Y, Hayashi I, Kawamura T, Yun HY, Bandou E. (2007) Proliferative activity of micrometastases in the lymph nodes of patients with gastric cancer. *Br J Surg.* 94(6):731-6.
  20. Endo Y, Obata T, Murata D, Ito M, Sakamoto K, Fukushima M, Yamasaki Y, Yamada Y, Natsume N, Sasaki T. (2007) Cellular localization and functional characterization of the equilibrative nucleoside transporters of antitumor nucleosides. *Cancer Sci.* Oct;98(10):1633-7.
  21. Endo Y, Obata T, Nomura M, Fukushima M, Yamada Y, Matsuda A, Sasaki T. (2007) Development of an antitumor adenosine analog, 3'-ethynyladenosine. *Nucleosides, Nucleotides and Nucleic Acids.* 26: 691-694.
  22. Yonemura Y, Ikeno T, Shinbo M, Maejima S, Hagiwara A, Endou Y, Masahiro M, Ogura S. (2007) Peritoneal Surface Malignancy; Treatment Group. Long-term results of peritonectomy on the patients with peritoneal carcinomatosis. *Gan To Kagaku Ryoho.* 34(12):1926-30 [Article in Japanese].
  23. Kato, M., Hossain, K., Iida, M., Sato, H., Uemura, N. and Goto, Y. (2008) Arsenic enhances matrix metalloproteinase-14 expression in fibroblasts. *J. Toxicol. Environ. Health A.*, 71, 1053-1055.
  24. Nishida, Y., Miyamori, H., Thompson, E.W., Takino, T., Endo, Y. and Sato H. (2008) Activation of Matrix Metalloproteinase (MMP)-2 By Membrane-type 1-MMP Through An Artificial Receptor For ProMMP-2 Generates Active MMP-2. *Cancer Res.*, 68, 9096-9104.
  25. Gantulga, D., Baljinnyam, Tuvshintugs, B., Endo, Y., Takino, T. and Sato, H. Murakami S, Yoshioka K. (2008) The scaffold protein c-Jun NH2-terminal kinase-associated leucine zipper

protein regulates cell migration through interaction with the G protein G $\alpha$ 13. *J. Biochemistry*, 144, 693-700.

26. Lu P., Li L., Kuno K., Wu Y., Baba T., Li Y., Zhang X., Mukaida N. (2008) Protective roles of the fractalkine/CX3CL1-CX3CR1 interaction in alkali-induced corneal neovascularization thorough enhanced anti-angiogenic factor expression. *J. Immunol.*, 180, 4283-4291.
27. Itatsu, K., Sasaki, M., Harada, K., Yamaguchi, J., Ikeda, H., Sato, Y., Ohta, T., Sato, H., Nagino, M., Nimura, Y., Nakanuma, Y. (in press) Phosphorylation of extracellular signal-regulated kinase 1/2, p38 mitogen-activated protein kinase and nuclear translocation of nuclear factor-kappaB are involved in upregulation of matrix metalloproteinase-9 by tumour necrosis factor-alpha. *Liver Int.*