

**Division
of
Genetics**

Publications

1. Oshima H, Taketo MM, and Oshima M. Destruction of pancreatic β -cells by transgenic induction of prostaglandin E_2 in the islets. *J Biol Chem* 281: 29330-29336, 2006.
2. Oshima H, Matsunaga A, Fujimura T, Tsukamoto T, Taketo MM, and Oshima M. Carcinogenesis in mouse stomach by simultaneous activation of the Wnt signaling and prostaglandin E_2 pathway. *Gastroenterology* 131: 1086-1095, 2006.
3. Takeda H, Miyoshi H, Kojima Y, Oshima M, and Taketo MM. Accelerated onsets of gastric hamartomas and hepatic adenomas/carcinomas in *Lkb1^{+/-}p53^{+/-}* compound mutant mice. *Oncogene* 25: 1816-1820, 2006.
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5. Oshima M, Suzuki H, Xiaoying G, and Oshima H. Increased level of serum vascular endothelial growth factor by long-term exposure to hypergravity. *Exp Anim* 56: 309-313, 2007.
6. Kawada K, Hosogi H, Sonoshita M, Sakashita H, Manabe T, Shimahara Y, Sakai Y, Takabayashi A, Oshima M, and Taketo MM. Chemokine receptor CXCR3 promotes colon cancer metastasis to lymph nodes. *Oncogene* 2007.
7. Kitamura T, Kometani K, Matsunaga A, Miyoshi H, Hosogi H, Aoki M, Oshima M, Hattori M, Takabayashi A, Minato N, and Taketo MM. SMAD4-deficient intestinal recruit CCR1(+) myeloid cells that promote invasion. *Nat Genet* 39: 467-475, 2007.
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10. Popivanova BK, Kitamura K, Wu Y, Kondo T, Kagaya T, Kaneko S, Oshima M, Fujii C, and Mukaida N. Blocking TNF- α in mice reduces colorectal carcinogenesis associated with chronic colitis. *J Clin Invest* 118: 560-570, 2008.
11. Guo X, Oshima H, Kitamura T, Taketo MM, and Oshima M. Stromal fibroblasts activated by tumor cells promote angiogenesis in mouse gastric cancer. *J Biol Chem*, 283: 19864-19871, 2008.
12. Oguma K, Oshima H, Aoki M, Uchio R, Naka K, Nakamura S, Hirao A, Saya H, Taketo MM, and Oshima M. Activated macrophages promote Wnt signaling through tumor necrosis factor- α in gastric tumor cell. *EMBO J* 27: 1671-1681, 2008.
13. Oshima M, Oshima H, and Taketo MM. Prostaglandin and transforming growth factor- β signaling in gastric cancer. In *Biology of Gastric Cancers*, Eds. by Wang TC. *et al.* Springer,

513-540, 2008.

14. Takasu S, Tsukamoto T, Cao XY, Toyoda T, Hirata a, Ban H, Yamamoto M, Sakai H, Yanai T, Masegi T, Oshima M, and Tatematsu M. Roles of cyclooxygenase-2 and microsomal prostaglandin E synthase-1 expression and β -catenin activation in gastric carcinogenesis in *N*-methyl-*N*-nitrosourea-treated *K19-C2mE* transgenic mice. *Cancer Sci*, 99:2356-2364, 2008.
15. Howlett M, Giraud AS, Lescesen H, Jackson CB, Kalantzis A, Driel IR, Robb L, Hoek MB, Ernst M, Minamoto T, Boussioutas A, Oshima H, Oshima M, and Judd LM. The interleukin-6 family cytokine interleukin-11 regulates homeostatic epithelial cell turnover and promotes gastric tumor development. *Gastroenterol*, 136:967-977, 2009.