

# 分子医学

## 学術論文

- 1) Breault JE, Shiina H, Igawa M, Ribeiro-Filho LA, Deguchi M, Enokida H, Urakami S, Terashima M, Nakagawa M, Kane CJ, Carroll PR, Dahiya R: Methylation of the  $\gamma$ -catenin gene is associated with poor prognosis of renal cell carcinoma. *Clinical Cancer Research* 11: 557-564, 2005
- 2) Ogishima T, Shiina H, Breault JE, Tabatabai L, Bassett WW, Enokida H, Li LC, Kawakami T, Urakami S, Ribeiro-Filho LA, Terashima M, Fujime M, Igawa M, Dahiya R: Increased heparanase expression is caused by promoter hypomethylation and up-regulation of transcriptional factor early growth response-1 in human prostate cancer. *Clinical Cancer Research* 11:1028-1036, 2005
- 3) Shiina H, Breault JE, Bassett WW, Enokida H, Urakami S, Li LC, Okino ST, Deguchi M, Kaneuchi M, Terashima M, Yoneda T, Shigeno K, Carroll PR, Igawa M, Dahiya R: Functional loss of the  $\gamma$ -catenin gene through epigenetic and genetic pathways in human prostate cancer. *Cancer Research* 65: 2130-2138, 2005
- 4) Terashima M, Takahashi M, Yoshimura H, Mitani T, Nariai Y, Tanigawa Y: Suppressive effect of epigallocatechin-3-gallate, a constituent of green tea, on platelet-derived growth factor-BB signaling pathway in rat A7r5 cells. *Shimane Journal of Medical Science* 22: 1-6, 2004-2005
- 5) Terashima M, Osago H, Hara N, Tanigawa Y, Shimoyama M, Tsuchiya M: Purification, characterization and molecular cloning of glycosylphosphatidylinositol-anchored arginine-specific ADP-ribosyltransferases from chicken. *Biochemical Journal* 389: 853-861, 2005
- 6) Mitani T, Terashima M, Yoshimura H, Nariai Y, Tanigawa Y: TGF- $\beta$ 1 enhances degradation of IFN- $\gamma$ -induced iNOS protein via proteasomes in RAW 264.7 cells. *Nitric Oxide* 13: 78-87, 2005
- 7) Yoshimura H, Nariai Y, Terashima M, Mitani T, Tanigawa Y: Taurine suppresses platelet-derived growth factor (PDGF) receptor phosphorylation by protein tyrosine phosphatase-mediated dephosphorylation in vascular smooth muscle cells. *Biochimica et Biophysica Acta* 1745: 350-360, 2005

- 8) Ogishima T, Shiina H, Breault JE, Terashima M, Honda S, Enokida H, Urakami S, Tokizane T, Kawakami T, Ribeiro-Filho LA, Fujime M, Kane CJ, Carroll PR, Igawa M, Dahiya R: Promoter CpG hypomethylation and transcription factor EGR1 hyperactivate heparanase expression in bladder cancer. *Oncogene* 24: 6765-6772, 2005
- 9) Nagai A, Ryu JK, Terashima M, Tanigawa Y, Wakabayashi K, McLarnon JG, Kobayashi S, Masuda J, Kim SU: Neuronal cell death induced by cystatin C *in vivo* and in cultured human CNS neurons is inhibited with cathepsin B. *Brain Research* 1066: 120-128, 2005
- 10) Enokida H, Shiina H, Urakami S, Terashima M, Ogishima T, Li LC, Kawahara M, Nakagawa M, Kane CJ, Carroll PR, Igawa M, Dahiya R: Smoking influences aberrant CpG hypermethylation of multiple genes in human prostate carcinoma. *Cancer* 106: 79-86, 2006
- 11) Urakami S, Shiina H, Enokida H, Kawakami T, Tokizane T, Ogishima T, Tanaka Y, Li LC, Ribeiro-Filho LA, Terashima M, Kikuno N, Adachi H, Yoneda T, Kishi H, Shigeno K, Konety BR, Igawa M, Dahiya R: Epigenetic inactivation of Wnt inhibitory factor-1 plays an important role in bladder cancer through aberrant canonical Wnt/ $\beta$ -catenin signaling pathway. *Clinical Cancer Research* 12: 383-391, 2006
- 12) 長井篤, 野津吉友, 福間恵美, 寺嶋正治, 山口修平, 柴田宏, 益田順一: プロテアーゼとプロテアーゼインヒビター. - 髄液中システインプロテアーゼおよびシスタチンC濃度と中枢神経疾患の関連性 - 島根医学検査 34: 1-8, 2006

#### 学会発表

- 1) 長井篤, 寺嶋正治, 竹内裕美, 谷河精規, 村川洋子, 益田順一, 小林祥泰: 神経・筋疾患生検筋における a disintegrin and metalloprotease (ADAM)12 発現の免疫組織化学的検討. 第 102 回日本内科学会総会. 大阪, 2005 年 4 月
- 2) Terashima M, Takahashi M, Yoshimura H, Mitani T, Nariai Y, Tanigawa Y: Suppressive effect of epigallocatechin-3-gallate, a constituent of green tea, on platelet-derived growth factor-BB signaling pathway in rat A7r5 cells – optimal

- dose and time point for administration. 第 78 回日本生化学会大会. 神戸, 2005 年 10 月
- 3) Mitani T, Terashima M, Yoshimura H, Nariai Y, Tanigawa Y: TGF- $\beta$ 1 enhances degradation of IFN- $\gamma$ -induced iNOS protein via proteasomes in RAW 264.7 cells. 第 78 回日本生化学会大会. 神戸, 2005 年 10 月
  - 4) Yoshimura H, Nariai Y, Terashima M, Mitani T, Tanigawa Y: Suppressive effect of taurine on platelet-derived growth factor (PDGF) BB-induced cell proliferation via decreasing PDGF- $\beta$  receptor phosphorylation in vascular smooth muscle cells. 第 78 回日本生化学会大会. 神戸, 2005 年 10 月
  - 5) Nariai Y, Terashima M, Mitani T, Yoshimura H, Tanigawa Y: TGF- $\beta$ 1 suppresses cAMP-induced nitric oxide synthase expression by decreasing the translocation of protein kinase A into the nucleus in murine macrophage cell line RAW 264.7 cells. 第 78 回日本生化学会大会. 神戸, 2005 年 10 月
  - 6) 長井篤, シェク・アブドラ, 寺嶋正治, 村川洋子, 小林祥泰, 益田順一, 山口修平: 神経・筋疾患における a disintegrin and metalloprotease (ADAM), NCAM 発現の検討. 第 103 回日本内科学会総会. 横浜, 2006 年 4 月
  - 7) 寺嶋正治, 高橋 舞, Terence Davis, 原 伸正, 長子晴美, 三谷俊史, 成相裕子, 下山 誠, 土屋美加子, 谷河精規: アルギニン特異的 ADP-リボース転移酵素 Art7 遺伝子群の解析と発現. 第 47 回日本生化学会中国・四国支部例会. 松江, 2006 年 5 月
  - 8) 成相裕子, 谷河精規, 寺嶋正治, 三谷俊史, 吉村仁志, 高橋 舞: TGF- $\beta$ 1 による活性化 PKA の核内移行抑制効果の解析. 第 47 回日本生化学会中国・四国支部例会. 松江, 2006 年 5 月
  - 9) 三谷俊史, 寺嶋正治, 吉村仁志, 成相裕子, 高橋 舞, 谷河精規: Nitric oxide の iNOS 翻訳後調節におよぼす分子機構. 第 47 回日本生化学会中国・四国支部例会. 松江, 2006 年 5 月
  - 10) 長子晴美, 寺嶋正治, 原 伸正, 山田和夫, 土屋美加子: ADP-リボシル化タンパク質検出のための抗 ADP-リボシルアルギニン抗体の作成. 第 47 回日本生化学会中国・四国支部例会. 松江, 2006 年 5 月
  - 11) Terashima M, Takahashi M, Davis T, Osago H, Hara N, Shimoyama M, Tsuchiya M, Tanigawa Y: Molecular characterization and expression of the Art7 genes for glycosylphosphatidylinositol-anchored arginine-specific ADP-ribosyltransferases. 20th International Congress of Biochemistry and Molecular Biology and 11th

FAOBMB Congress, Kyoto, Japan, June 18-23, 2006

- 12) Mitani T, Terashima M, Yoshimura H, Nariai Y, Takahashi M, Tanigawa Y: NO enhances degradation of iNOS protein induced by LPS plus IFN- $\gamma$  via ubiquitin-proteasome pathway in RAW 264.7 cells. 20th International Congress of Biochemistry and Molecular Biology and 11th FAOBMB Congress, Kyoto, Japan, June 18-23, 2006
- 13) Yoshimura H, Nariai Y, Terashima M, Mitani T, Takahashi M, Tanigawa Y: Suppressive effect of taurine on platelet-derived growth factor (PDGF) BB-induced proliferation of vascular smooth muscle cells. 20th International Congress of Biochemistry and Molecular Biology and 11th FAOBMB Congress, Kyoto, Japan, June 18-23, 2006
- 14) Nariai Y, Terashima M, Mitani T, Yoshimura H, Takahashi M, Tanigawa Y: TGF- $\beta$ 1 suppresses LPS-induced translocation of NF- $\kappa$ B into the nucleus in murine macrophage cell line RAW 264.7 cells. 20th International Congress of Biochemistry and Molecular Biology and 11th FAOBMB Congress, Kyoto, Japan, June 18-23, 2006
- 15) Takahashi M, Terashima M, Nagai A, Nariai Y, Mitani T, Tanigawa Y: Interaction of ubiquitin-like protein Fau/UbL with cystatin protease inhibitor cystatin C. 20th International Congress of Biochemistry and Molecular Biology and 11th FAOBMB Congress, Kyoto, Japan, June 18-23, 2006
- 16) Osago H, Terashima M, Hara N, Yamada K, and Tsuchiya M: Anti-ADP-ribosylarginine antibody for detection of endogenous target protein of Art. 20th International Congress of Biochemistry and Molecular Biology and 11th FAOBMB Congress, Kyoto, Japan, June 18-23, 2006