

7 研究業績一覽

《 2008 》

1. Ishikawa M, Konta T, Hao Z, Takasaki S, Abiko H, Takahashi T, Ikeda A, Ichikawa K, Shibata Y, Takeishi Y, Kato T, Kawata S, Kubota I : Relationship between antinuclear antibody and microalbuminuria in general population : The Takahata Study. *Clin Exp Nephrol*, in press.
2. Sakurada K, Saino M, Mouri W, Sato A, Kitanaka C, Kayama T : Nestin expression in central nervous system germ cell tumors. *Neurosurg Rev*, in press.
3. Iijima H, Emi M, Wada M, Daimon M, Toriyama S, Koyano S, Sato H, Hopkins PN, Hunt SC, Kubota I, Kawata S, Kato T : Association of an intronic haplotype of the LIPC gene with hyper-alphalipoproteinemia in two independent populations. *J Hum Genet* 2008;53:193-200
4. Koyano S, Emi M, Saito T, Makino N, Toriyama S, Ishii M, Kubota I, Kato T, Kawata S : Common null variant, Arg192Stop, in a G-protein coupled receptor, olfactory receptor 1B1, associated with decreased serum cholinesterase activity. *Hepato Res*, in press.
5. Wada M, Nagasawa H, Kurita K, Koyama S, Arawaka S, Kawanami T, Tajima K, Daimon M, Kato T: Cerebral small vessel disease and C-reactive protein : Results of a cross-sectional study in community-based Japanese elderly. *J Neurol Sci* 2008;264:43-49
6. Konta T, Emi M, Toriyama S, Ariumi H, Ishii M, Takasaki S, Ikeda A, Ichikawa K, Shibata Y, Takabatake N, Takeishi Y, Kato T, Kawata S, Kubota I : Association of CC chemokine ligand 5 genotype with urinary albumin excretion in non-diabetic Japanese general population: The Takahata Study. *J Hum Gene* 2008; 53:267-274.
7. Kawasaki R, Tielsch JM, Wang JJ, Wong TY, Mitchell P, Tano Y, Tominaga M, Oizumi T, Daimon M, Kato T, Kawata S, Kayama T, Yamashita H : The metabolic syndrome and retinal microvascular signs in a Japanese population : The Funagata study. *Br J Ophthalmol* 92:161-166,2008

《 2007 》

1. Fujiwara S, Takeishi Y, Isoyama S, Aono G, Takizawa K, Honda H, Otomo T, Mitsuoka M, Itoh Y, Terashima M, Kubota I, Meguro T : Responsiveness to dobutamine stimulation in patients with left ventricular apical ballooning syndrome. *Am J Cardiol* 2007 Nov 15; 100 (10): 1600-1603
2. Takabatake N, Toriyama S, Takeishi Y, Shibata Y, Konta T, Inoue S, Abe S, Igarashi A, Tokairin Y, Ishii M, Koyano S, Emi M, Kato T, Kawata S, Kubota I : A nonfunctioning single nucleotide polymorphism gene family is associated with the forced expiratory volume in the first second/the forced vital capacity values of pulmonary function test in a Japanese population. *Biochem Biophys Res Commun* 2007 Dec 21; 364 (3): 662-667
3. Takahashi T, Konta T, Takasaki S, Ichikawa K, Takeishi Y, Kubota I : An angiotensin II type-I receptor blocker, olmesartan medoxomil, attenuates lipid peroxidation in renal injury induced by subtotal nephrectomy. *Clin Exp Nephrol* 2007 Sep ; 11 (3): 202-208
4. Niizeki T, Takeishi Y, Takabatake N, Shibata Y, Konta T, Kato T, Kawata S, Kubota I : Circulating levels of heart-type fatty acid-binding protein in a general Japanese population. *Circ J* 2007 Sep; 71 (9): 1452-1457
5. Takeishi Y, Toriyama S, Takabatake N, Shibata Y, Konta T, Emi M, Kato T, Kawata S, Kubota I : Linkage disequilibrium analyses of natriuretic peptide precursor B locus reveal risk haplotype conferring high plasma BNP levels. *Biochem Biophys Res Commun* 2007 Aug; 362: 480-484
6. Kitahara T, Takeishi Y, Arimoto T, Niizeki T, Koyama Y, Sasaki T, Suzuki S, Nozaki N, Hirono O, Nitobe J, Watanabe T, Kubota I : Serum carboxy-terminal telopeptide of type I collagen (ICTP) predicts cardiac events in chronic heart failure patients with preserved left ventricular systolic function. *Circ J* 2007 Jun; 71 (6): 929-935
7. Koyama Y, Takeishi Y, Arimoto T, Niizeki T, Shishido T, Takahashi H, Nozaki N, Hirono O, Tsunoda Y, Nitobe J, Watanabe T, Kubota I : High serum level of pentosidine, an advanced glycation end product (AGE), is a risk factor of patients with heart failure. *J Cardiac Fail* 2007 Apr; 13 (3): 199-206
8. Hao Z, Konta T, Takasaki S, Abiko H, Ishikawa M, Takahashi T, Ikeda A, Ichikawa K, Kawata S, Kato T, Kubota I : The association between microalbuminuria and metabolic syndrome in the general population in Japan: The Takahata study. *Intern Med* 2007 Apr; 46 (7): 341-346
9. Niizeki T, Takeishi Y, Arimoto T, Takabatake N, Nozaki N, Hirono O, Watanabe T, Nitobe J, Harada M, Suzuki S, Koyama Y, Kitahara T, Sasaki T, Kubota I : Heart-type fatty acid-binding protein is more sensitive than troponin T to detect the ongoing myocardial damage in chronic heart failure patients. *J Cardiac Fail* 2007 Mar; 13 (2): 120-127

7 研究業績一覽

10. Konta T, Hao Z, Takasaki S, Abiko H, Ishikawa M, Takahashi T, Ikeda A, Ichikawa K, Kato T, Kawata S, Kubota I : Clinical utility of trace proteinuria for microalbuminuria screening in the general population. *Clin Exp Nephrol* 2007 Mar; 11 (1): 51-55
11. Takeishi Y, Niizeki T, Arimoto T, Nozaki N, Hirono O, Nitobe J, Watanabe T, Takabatake N, Kubota I : Serum resistin is associated with high risk in patients with congestive heart failure. *Circ J* 2007 Apr; 71 (4): 460-464
12. Arimoto T, Takeishi Y, Niizeki T, Nozaki N, Hirono O, Watanabe T, Nitobe J, Tsunoda Y, Suzuki S, Koyama Y, Kitahara T, Okada A, Takahashi K, Kubota I : Cardiac sympathetic denervation and ongoing myocardial damage for prognosis in early stages of heart failure. *J Card Fail* 2007 Feb; 13 (1): 34-41
13. Koyama Y, Takeishi Y, Takahashi H, Shishido T, Arimoto T, Niizeki T, Harada M, Suzuki S, Kitahara T, Sasaki T, Kubota I : Azelnidipine inhibits H₂O₂-induced cell death in neonatal rat cardiomyocytes. *Cardiovasc Drugs Ther* 2007 Feb; 21 (1): 69-72
14. Hirama N, Shibata Y, Otake K, Machiya J, Wada T, Inoue S, Abe S, Takabatake N, Sata M, Kubota I : Increased surfactant protein-D and foamy macrophages in smoking-induced mouse emphysema. *Respirology* 2007 Mar; 12 (2): 191-201
15. Harada M, Takeishi Y, Arimoto T, Niizeki T, Kitahara T, Goto K, Walsh RA, Kubota I : Diacylglycerol kinase zeta attenuates pressure overload-induced cardiac hypertrophy. *Circ J* 2007 Feb; 71 (2): 276-282
16. Sata M, Takabatake N, Inoue S, Shibata Y, Abe S, Machiya J, Wada T, Ji G, Kido T, Matsuura T, Muramatsu MA, Kubota I : Intronic single-nucleotide polymorphisms in Bcl-2 are associated with chronic obstructive pulmonary disease severity. *Respirology* 2007 Jan; 12 (1): 34-41
17. Wada T, Sata M, Sato J, Tokairin Y, Machiya J, Hirama N, Arao T, Inoue S, Takabatake N, Shibata Y, Kubota I : Clarithromycin suppresses invasiveness of human lung adenocarcinoma cells. *Chemotherapy* 2007 ; 53(2): 77-84
18. Machiya J, Shibata Y, Yamauchi K, Hirama N, Wada T, Inoue S, Abe S, Takabatake N, Sata M, Kubota I : Enhanced expression of MafB inhibits macrophage apoptosis induced by cigarette smoke exposure. *Am J Respir Cell Mol Biol* 2007 Apr; 36 (4): 418-426
19. Niizeki T, Takeishi Y, Arimoto T, Takahashi H, Shishido T, Koyama Y, Goto K, Walsh RA, Kubota I : Cardiac specific overexpression of diacylglycerol kinase ζ attenuates left ventricular remodeling and improves survival after myocardial infarction. *Am J Physiol Heart Circ Physiol* 2007 Feb ; 292 (2): H1105-H1112
20. Nagasawa H, Wada M, Arawaka S, Kawanami T, Kurita K, Daimon M, Adachi M, Hosoya T, Emi M, Muramatsu M, Kato T : A polymorphism of the aldehyde dehydrogenase 2 gene is a risk factor for multiple lacunar infarcts in Japanese men : the Takahata Study. *European Journal of Neurology* 2007;14:428-434
21. Wada M, Nagasawa H, Kurita K, Koyama S, Arawaka S, Kawanami T, Tajima K, Daimon M, Kato T : Microalbuminuria is a risk factor for cerebral small vessel disease in community-based elderly subjects. *Journal of the Neurological Sciences* 2007;255:27-34
22. Oizumi T, Daimon M, Jimbu Y, Kameda W, Arawaka N, Yamaguchi H, Ohnuma H, Sasaki H, Kato T : A palatinose-based balanced formula improves glucose tolerance, serum free fatty acid levels and body fat composition. *Tohoku J Exp Med* 2007;212:91-99
23. Daimon M, Sato H, Oizumi T, Toriyama S, Saito T, Karasawa S, Jimbu Y, Wada K, Kameda W, Susa S, Yamaguchi H, Emi M, Muramatsu M, Kubota I, Kawata S, Kato T : Association of the PIK3C2G gene polymorphisms with type 2 DM in a Japanese population. *Biochem Biophys Res Commun.* 2008 Jan 18;365(3):466-471.
24. Nakagami T, Tominaga M, Nishimura R, Daimon M, Oizumi T, Yoshiike N, Tajima N : Combined use of fasting plasma glucose and glycated hemoglobin A1c in a stepwise fashion to detect undiagnosed diabetes mellitus. *Tohoku J Exp Med* 2007 Sep;213(1):25-32
25. Saito T, Misawa S, Kawata S : Fatty liver and non-alcoholic steatohepatitis. *Internal Med* 2007;46:101-103
26. Suzuki A, Togashi H, Haga H, Saito K, Saito T, Takahashi K, Sugai Y, Kawata S : Characteristics of three case of hepatocellular carcinoma showing enhanced technetium-99m-diethylenetriamin epentaacetic acid-galactosyl human serum albumin accumulation by single photon emission computed tomography analysis. *Hepato Res* 2007;37:628-636
27. Nishise Y, Saito T, Sugahara K, Ito J, Saito K, Togashi H, Nagano-Fujii M, Hotta H, Kawata S : Risk of hepatocellular carcinoma and secondary structure of hepatitis C virus (HCV) NS3 protein amino-terminus among patients infected with HCV subtype 1b. *J infect Dis* 2007;196:1006-1009

-
28. Okumoto K, Saito T, Onodera M, Sakamoto A, Tanaka M, Hattori E, Haga H, Ito JI, Sugahara K, Saito K, Togashi H, Kawata S : Serum levels of stem cell factor and thrombopoietin are markedly decreased in fulminant hepatic failure patients with a poor prognosis. *J Gastroenterol Hepatol* 2007;22:1265-1270
 29. Ishihama K, Yamakawa M, Semba S, Takeda H, Kawata S, Kimura S, Kimura W : Expression of HDAC1 and CBP /p300 in human colorectal carcinoma. *J Clin Pathol* 2007;60:1205-1210
 30. Kawagoe J, Ohmichi M, Ohta T, Takahashi K, Kurachi H : Mechanism of the divergent effects of estrogen on the cell proliferation of human umbilical endothelial versus aortic smooth muscle cells. *Endocrinology* 2007;148(12):6092-6099
 31. Yin L, Morishige K, Takahashi T, Hashimoto K, Ogata S, Tsutsumi S, Takata K, Ohta T, Kawagoe J, Takahashi K, Kurachi H : Fasudil inhibits vascular endothelial growth factor induced angiogenesis *in vitro* and *in vivo*. *Mol Cancer Ther* 2007;6(5):1517-1525
 32. Takahashi K, Mori-Abe A, Takata K, Ohta T, Kawagoe J, Tsutsumi S, Ohmichi M, Kurachi H : Raloxifene improves the ovariectomy-induced impairment in endothelium-dependent vasodilatation. *Menopause* 2007; 14(4):656-661
 33. Watanabe S, Sakurada K, Mori W, Sato S, Kayama T : Supplementary motor area syndrome with frontal glioma. *Brain Nerve* 2007 Jul;59(7):793-6.
 34. Sakurada K, Sato S, Sonoda Y, Kokubo Y, Saito S, Kayama T : Surgical resection of tumors located in subcortex of language area. *Acta Neurochir (Wien)* 2007 Feb;149(2):123-9;discussion 129-30. Epub 2006 Sep 29.
 35. Suzuki A, Fukusawa T, Shiraishi H, Oshino S, Aoshima T, Otani K : No association between the TPH A218C polymorphism and personality traits in Japanese healthy subjects. *Progress in Neuro-Psychopharmacology & Biological Psychiatry* 2007; 31 :395-398
 36. Ishii G, Suzuki A, Oshino S, Shiraishi H, Otani K : CYP2C19 polymorphism affects personality traits of Japanese females. *Neuroscience Letters* 2007; 411: 77-80
 37. Ishii G, Suzuki A, Oshino S, Shiraishi H, Matsumoto Y, Otani K, Goto K : Association study of catechol-O-methyltransferase Val58Met polymorphism with personality traits in Japanese healthy volunteers. *European Psychiatry* 2007; 22 :462-465
 38. Suzuki A, Matsumoto Y, Ishii G, Oshino S, Goto K, Otani K : No association between the -3081A/T polymorphism in the norepinephrine transporter gene promoter and personality traits in healthy subjects. *Neuroscience Letters* 2007; 425: 192-194
 39. Matsumoto Y, Suzuki A, Ishii G, Oshino S, Otani K, Goto K : The -181A/C polymorphism in the excitatory amino acid transporter-2 gene promoter affects the personality traits of reward dependence in healthy subjects. *Neuroscience Letters* 2007; 427: 99-102
 40. Goto K, Hozumi Y, Nakano T, Saino S, Kondo H : Cellular biology and pathophysiology of diacylglycerol kinase family, an enzyme responsible for lipid second messenger metabolism: morphological aspects in tissues and organs. *Int Rev Cytol* 2007; 264:25-63.
 41. Takeishi Y, Goto K, Kubota I : Role of diacylglycerol kinase in cellular regulatory processes : A new regulator for cardiomyocyte hypertrophy. *Pharmacol Ther* 2007; 115: 352-359
 42. Evangelisti C, Tazzari PL, Riccio M, Fiume R, Hozumi Y, Fala F, Goto K, Manzoli L, Cocco L, Martelli AM : Nuclear diacylglycerol kinase-zeta is a negative regulator of cell cycle progression in C2C12 mouse myoblasts. *FASEB J* 2007; 21: 3297-3307.
 43. Kobayashi N, Hozumi Y, Ito T, Hosoya T, Kondo H, Goto K : Differential subcellular targeting of diacylglycerol kinase isozymes in transfected cells and the activity-dependent subcellular localization. *Eur J Cell Biol* 2007; 86: 433-444.
 44. Evangelisti C, Bortol R, Fala F, Tabellini G, Goto K, Martelli AM : Nuclear diacylglycerol kinases : emerging downstream regulators in cell signaling networks. *Histol Histopathol* 2007 ;22: 573-579.
 45. Fujimoto N, Nakajima O, Kitamura S, Ohta S : In vivo function of the 5'flanking region of mouse estrogen receptor beta gene. *J Steroid Biochem Mol Biol* 2007 105:57-62
 46. Rahman M, Nara H, Onoda T, Araki A, Li J, Hosino T and Asano H : Cloning and characterization of an isoform of interleukin-21. *FEBS Lett* 2007 Aug 21;581(21):4001-9. Epub 2007 Jul 25.
 47. Onoda T, Rahman M, Nara H, Araki A, Makabe K, Tsumoto K, Kumagai I, Kudo T, Ishii N, Tanaka N, Sugamura K, Hayasaka K and Asano H : Human CD4+ central and effector memory T cell produce IL-21; Effect on cytokine-driven proliferation of CD4+ T cell subsets. *Int Immunol* 2007 Oct;19(10):1191-9. Epub 2007 Aug 13.
 48. Kitanaka C, Kato K, Tanaka Y : Ras protein expression and autophagic tumor cell death in neuroblastoma. *Am J Surg Pathol* 2007;31:153-155.
-

7 研究業績一覽

49. Tamura H, Hirono O, Okuyama H, Liu L, Nishiyama S, Takeishi Y, Kayama T, Kubota I : Elevated serum fibrin-monomer levels are associated with high long-term cerebrovascular event rates in acute ischemic stroke patients. *Circ J* 2007 ;71(10):1573-9
50. Igarashi M, Hirata A, Yamaguchi H, Sugae N, Kadomoto-Antsuki Y, Nozaki H, Jimbu Y, Tominaga M : Characterization of activation of MAP kinase superfamily in vasculature from diabetic rats. *Journal of Atherosclerosis and Thrombosis* 2007;14(5):235-244

◀ 2006 ▶

1. Arimoto T, Takeishi Y, Takahashi H, Shishido T, Niizeki T, Koyama Y, Shiga R, Nozaki N, Nakajima O, Nishimaru K, Abe J, Endoh M, Walsh RA, Goto K, Kubota I : Cardiac-specific overexpression of diacylglycerol kinase ζ prevents Gq protein-coupled receptor agonist-induced cardiac hypertrophy in transgenic mice. *Circulation* 2006; 113 (1): 60-66
2. Niizeki T, Takeishi Y, Arimoto T, Okuyama H, Nozaki N, Hirono O, Tsunoda Y, Watanabe T, Nitobe J, Miyashita T, Takahashi H, Koyama Y, Kubota I : Hyperuricemia associated with high cardiac event rates in the elderly with chronic heart failure. *J Cardiol* 2006; 47 (5): 219-228
3. Okuyama H, Hirono O, Liu L, Takeishi Y, Kayama T, Kubota I : Higher levels of serum fibrin-monomer reflect hypercoagulable state and thrombus formation in the left atrial appendage in patients with acute ischemic stroke. *Circ J* 2006; 70 (8): 971-976
4. Shishido T, Nozaki N, Takahashi H, Arimoto T, Niizeki T, Koyama Y, Abe J, Takeishi Y, Kubota I : Central role of endogenous Toll-like receptor-2 activation in regulating inflammation, reactive oxygen species production, and subsequent neointimal formation after vascular injury. *Biochem Biophys Res Commun* 2006; 345: 1446-1453
5. Konta T, Hao Z, Abiko H, Ishikawa M, Takahashi T, Ikeda A, Ichikawa K, Takasaki S, Kubota I : Prevalence and risk factor analysis of microalbuminuria in Japanese general population : The Takahata study. *Kidney Int* 2006; 70 (4): 751-756
6. Takabatake N, Shibata Y, Abe S, Wada T, Machiya J, Igarashi A, Tokairin Y, Ji G, Sato H, Sata M, Takeishi Y, Emi M, Muramatsu M, Kubota I : A single nucleotide polymorphism in the CCL1 gene predicts acute exacerbations in chronic obstructive pulmonary disease. *Am J Respir Crit Care Med* 2006; 174: 875-885
7. Adachi Y, Oyaizu H, Taketani S, Minamino K, Yamaguchi K, Shultz LD, Iwasaki M, Tomita M, Suzuki Y, Nakano K, Koike Y, Yasumizu R, Sata M, Hiramata N, Kubota I, Fukuhara S, Ikehara S : Treatment and transfer of emphysema by a new bone marrow transplantation method from normal mice to Tsk mice and vice versa. *Stem Cells* 2006; 24 (9): 2071-2077
8. Fukui T, Takeda H, Shu HJ, Ishihama K, Otake S, Suzuki Y, Nishise S, Ito N, Sato T, Togashi H, Kawata S : Investigation of Musashi-1 expressing cells in the murine model of dextran sodium sulfate-induced colitis. *Dig Dis Sci* 2006;51:1260 -1268
9. Okumoto K, Saito T, Haga H, Hattori E, Ishii R, Karasawa T, Suzuki A, Misawa K, Sanjo M, Ito J, Sugahara K, Saito K, Togashi H, Kawata S : Characteristics of rat bone marrow cells differentiated into a liver cell lineage and dynamics of the transplanted cells in the injured liver. *J Gastroenterol* 2006;41:62-69
10. Nishise S, Takeda Y, Takeda H, Ishihama K, Fukui T, Kawata S : Complement activation is involved in biological responses to leukocyte adsorptive apheresis. *Dig Dis Sci* 2006;51:934-941
11. Takeda T, Watanabe H, Saito T, Saito K, Takeda H, Togashi H, Fujii J, Takasago Y, Kawata S : Impaired portal circulation resulting from L-arginine deficiency in patients with lysinuric protein intolerance. *Gut* 2006;55:1526-1527
12. Togashi H, Takahashi K, Onodera Y, Adachi T, Suzuki A, Karasawa T, Ishii R, Sugahara K, Okumoto K, Ito J, Saito T, Okada A, Sugai Y, Kawata S : Separate analysis of asialoglycoprotein receptors in the right and left hepatic lobes using (99m) Tc-GSA SPECT in patients with acute hepatic damage. *Hepatol Res* 2006;36:130-138
13. Kimura T, Saito T, Yoshimura M, Yixuan S, Baba M, Ji G, Muramatsu M, Kawata S : Association of transforming growth factor(TGF)- β 1 functional polymorphisms with natural clearance of hepatitis C virus. *J Infect Dis* 2006;193:1371-1374
14. Arawaka S, Wada M, Goto S, Karube H, Sakamoto M, Ren Chang-Hong, Koyama S, Nagasawa H, Kimura H, Kawanami T, Kurita K, Tajima K, Daimon M, Baba M, Kido T, Saino S, Goto K, Asao H, Kitanaka C, Takashita E, Hongo S, Nakamura T, Kayama T, Suzuki Y, Kobayashi K, Katagiri T, Kurokawa K, Kurimura M, Toyoshima I, Niizato K, Tsuchiya K, Iwatsubo T, Muramatsu M, Matsumine H, Kato T : The role of G-protein-coupled receptor kinase 5 in pathogenesis of sporadic Parkinson's disease.

-
- The Journal of Neuroscience 2006; 26(36):9227-9238
15. Kawasaki R, Wang Jie Jin, Rochtchina Elena, Taylor Bronwen, Wong Tien Yin, Tominaga M, Kato T, Daimon M, Oizumi T, Kawata S, Kayama T, Yamashita H, Paul Mitchell : Cardiovascular risk factors and retinal microvascular signs in an adult Japanese population : The Funagata study. *Ophthalmology* 2006; 113(8):1378-1384
 16. Daimon M, Ji Guijin, Oizumi T, Kido T, Baba M, Jimbu Y, Kameda W, Susa S, Yamaguchi H, Ohnuma H, Muramatsu M, Kato T : Association of nephrin gene polymorphisms with type 2 diabetes in a Japanese population. *Diabetes Care* 2006; 29(5):1117-1119
 17. Oizumi T, Daimon M, Wada K, Jimbu Y, Kameda W, Susa S, Yamaguchi H, Ohnuma H, Kato T : A proposal for the cutoff point of waist circumference for the diagnosis of metabolic syndrome in the Japanese population. *Circulation Journal* 2006; 70(12):1663
 18. Orisaka M, Nakai K, Tominaga M, Suwabe A : Risk factors for development of pre-diabetic state from normoglycemia. *Tohoku J Exp Med* 2006;210:279-283
 19. Igarashi M, Hirata A, Kadomoto Y, Tominaga M : Dual blockade of enalapril and losartan reduces proteinuria by its anti-inflammatory effect in hypertensive patients with type 2 diabetes. *Endocrine J* 2006;53:493-501
 20. Takabatake N, Shibata Y, Abe S, Wada T, Machiya J, Igarashi A, Tokairin Y, Ji G, Sato H, Sata M, Takeishi Y, Emi M, Muramatsu M, Kubota I : A single nucleotide polymorphism in the CCL1 gene predicts acute exacerbations in chronic obstructive pulmonary disease. *Am J Respir Crit Care Med* 2006;174(8):875-885
 21. Doshida M, Ohmichi M, Tsutsumi S, Kawagoe J, Takahashi T, Du B, Mori-Abe A, Ohta T, Saitoh - Sekiguchi M, Takahashi K, Kurachi H : Raloxifene increases proliferation and up-regulates telomerase activity in human umbilical vein endothelial cells. *J Biol Chem* 2006;281:24270-24278
 22. Oyama-Kato M, Ohmichi M, Takahashi K, Suzuki S, Henmi N, Yokoyama Y, Kurachi H : Change in pulse wave velocity throughout normal pregnancy and its value in predicting pregnancy-induced hypertension : A longitudinal study. *Am J Obstet Gynecol* 2006;195:464-469
 23. Du B, Takahashi K, Ishida GM, Nakahara K, Saito H, Kurachi H : Usefulness of intraovarian artery pulsatility and resistance indices measurement on the day of follicle aspiration for the assessment of oocyte quality. *Fertil Steril* 2006;85:366-370
 24. Takemura S, Kayama T, Kuge A, Ali H, Kokubo Y, Sato S, Kamii H, Goto K, Yoshimoto T : Correlation between copper/zinc superoxide dismutase and the proliferation of neural stem cells in aging and following focal cerebral ischemia. *J Neurosurg* 2006;104:129-136
 25. Matsumori Y, Northington FJ, Hong SM, Kayama T, Sheldon RA, Vexler ZS, Ferriero DM, Weinstein PR, Liu J : Reduction of caspase-8 and -9 cleavage is associated with increased c-FLIP and increased binding of Apaf-1 and Hsp70 after neonatal hypoxic/ischemic injury in mice overexpressing Hsp70. *Stroke* 2006;37:507-512
 26. Tomiyama A, Serizawa S, Tachibana K, Sakurada K, Samejima H, T.K, Kitanaka C : Critical Role for Mitochondrial Oxidative Phosphorylation in the Activation of Tumor Suppressors Bax and Bak. *Journal of the National Cancer Institute* 2006;98:1462-1473
 27. Okuyama H, Hirono O, Liu L, Takeishi Y, Kayama T, Kubota I : Higher levels of serum fibrin-monomer reflect hypercoagulable state and thrombus formation in the left atrial appendage in patients with acute ischemic stroke. *Circ J* 2006;70:971- 976
 28. Ling L, Hirono O, Okuyama H, Takeishi Y, Kayama T, Kubota I : Ratio of peak early to late diastolic filling velocity of the left ventricular inflow is associated with left atrial appendage thrombus formation in elderly patients with acute ischemic stroke and sinus rhythm. *J Cardiol* 2006;48:75-84
 29. Otagiri T, Sugai K, Kijima K, Arai H, Sawaishi Y, Shimohata M, Hayasaka K : Periaxin mutation in Japanese patients with Charcot-Marie-Tooth disease. *J Hum Genet* 2006;51(7):625-628
 30. Shirahata E, Iwasaki H, Takagi M, Lin C, Bennett V, Okamura Y, Hayasaka K : Ankyrin-G regulates inactivation gating of the neuronal sodium channel, Nav1.6. *J Neurophysiol* 2006;96:1347-1357
 31. Shiraishi H, Suzuki A, Fukasawa T, Aoshima T, Ujiie Y, Ishii G, Otani K : Monoamine oxidase A gene promoter polymorphism affects novelty seeking and reward dependence in healthy study participants. *Psychiatric Genetics* 2006;16(2):55-58
 32. Niizeki T, Takeishi Y, Arimoto T, Takahashi H, Shishido T, Koyama Y, Goto K, Walsh RA, Kubota I : Cardiac specific overexpression of diacylglycerol kinase zeta attenuates left ventricular remodeling and improves survival after myocardial infarction. *Am. J. Physiol. Heart Circ. Physiol* 2006;292:H1105-1112
 33. Evangelisti C, Riccio M, Faenza I, Zini N, Hozumi Y, Goto K, Cocco L, Martelli AM : Subnuclear
-

7 研究業績一覽

- localization and differentiation-dependent increased expression of DGK-zeta in C2C12 mouse myoblasts. *J. Cell Physiol* 2006;209:370-378
34. Sasaki H, Hozumi Y, Hasegawa H, Ito T, Takagi M, Ogino T, Watanabe M, Goto K : Gene expression and localization of diacylglycerol kinase isozymes in the rat spinal cord and dorsal root ganglia. *Cell Tissue Res* 2006;326:35-42
 35. Nomura Y, Fujiwara H, Ito K, Fuchigami H, Sato M, Takahashi E, Hozumi Y, Goto K, Feng Z, Nakamura T : HIF-1 alpha as a target for drug design in ischemic injury: effect of cobalt treatment on mitochondrial DNA damage in cells exposed H2O2. *Letters in Drug Design & Discovery*.2006;3:72-174
 36. Takemura S, Kayama T, Kuge A, Ali H, Kokubo Y, Sato S, Kamii H, Goto K, Yoshimoto T : Correlation between copper/zinc superoxide dismutase and the proliferation of neural stem cells in aging and following foal cerebral ischemia. *J. Neurosurg* 2006;104:129-136
 37. Nakano T, Hozumi Y, Ali H, Saino-Saito S, Kamii H, Sato S, Kayama T, Watanabe M, Kond H, Goto K: Diacylglycerol kinase zeta is involved in the process of cerebral infarction. *Eur. J. Neurosci* 2006;23:1427-1435
 38. Arimoto T, Takeishi Y, Takahashi H, Shishido T, Niizeki T, Koyama Y, Shiga R, Nozaki N, Nakajima O, Nishimaru K, Abe J, Endo M, Walsh RA, Goto K, Kubota I: Cardiac-specific overexpression of diacylglycerol kinase ζ prevents Gq protein-coupled receptor agonist-induced cardiac hypertrophy in transgenic mice. *Circulation* 2006;113:60-66
 39. Nakajima O, Okano S, Harada H, Kusaka T, Gao X, Hosoya T, Suzuki N, Takahashi S, Yamamoto M : Transgenic rescue of erythroid 5-aminolevulinic synthase-deficient mice results in the formation of ring sideroblasts and siderocytes. *Genes Cells* 2006;11:685-700
 40. Takahashi E, Takano T, Nomura Y, Okano S, Nakajima O, Sato M : In vivo oxygen imaging using green fluorescent protein. *Am J Physiol Cell Physiol* 2006 291:781-787
 41. Onoda T, Rahman M, Nara H, Araki A, Asao H ; Analysis of human IL-21 expression. *International proceedings of 6th International Cytokine Conference*. 2006;113:119
 42. Tomiyama A, Serizawa S, Tachibana K, Sakurada K, Samejima H, Kuchino Y, Kitanaka C : Critical role for mitochondrial oxidative phosphorylation in the activation of tumor suppressors Bax and Bak. *J Natl Cancer Inst* 2006;98:1462-1473.
 43. Ling L, Hirono O, Okuyama H, Takeishi Y, Kayama T, Kubota I : Ratio of peak early to late diastolic filling velocity of the left ventricular inflow is associated with left atrial appendage thrombus formation in elderly patients with acute ischemic stroke and sinus rhythm. *J Cardiol* 2006; 48 (2): 75-84
 44. Arawaka N, Daimon M, Oizumi T, Jimbu Y, Kameda W, Yamaguchi H, Ohnuma H, Tominaga M, Kato T : Correlation between change in body weight rather than current body weight and change in serum adiponectin levels in a Japanese population: The Funagata study. *Metabolism* 2006;55:324-330
 45. Koyama S, Arawaka S, Ren C-H, Wada M, Kawamani T, Kurita K, Kato M, Nagai M, Aoki M, Itoyama Y, Sobue G, Chan PH, Kato T : Alteration of familial ALS-linked mutant SOD1 solubility with disease progression : Its modulation by the proteasome and Hsp70. *Biochemical and Biophysical Research Communications* 2006;343:719-730
 46. Oyanagi K, Kawakami E, Kikuchi-Horie K, Ohara K, Ogata k, Takahama S, Wada M, Kihira T, Yasui M : Magnesium deficiency over generation in rats with special references to the pathogenesis of the parkinsonism-dementia complex and amyotrophic lateral sclerosis of Guam. *Neuropathology* 2006;26:115-128
 47. Adachi M, kawanami T, Ohshima H, Hosoya T : Characteristic signal changes in the pontine base on T2-and multishot diffusion-weighted images in spinocerebellar ataxia type 1. *Neuroradiology* 2006;48:8-13
 48. Kato Y, Kurimura M, Yahata Y, Tajima K, Kato T : Vogt-Koyanagi-Harada's disease presenting polymorphonuclear pleocytosis in the cerebrospinal fluid at the early active stage. *Internal Medicine* 2006;45:779-781
 49. Adacthi M, kawanami T, Ohshima F, Kato T : Upper midbrain profile sign and cingulated sulcus sign : MRI findings on sagittal images in idiopathic normal-pressure hydrocephalus, Alzheimer's disease and progressive supranuclear palsy. *Radiat Med* 2006;24:568-572

◀ 2005 ▶

1. Takahashi H, Takeishi Y, Seidler T, Arimoto T, Akiyama H, Hozumi Y, Koyama Y, Shishido T, Tsunoda Y, Niizeki T, Nozaki N, Abe J, Hasenfuss G, Goto K, Kubota I : Adenovirus-mediated overexpression of diacylglycerol kinase- ζ inhibits endothelin-1-induced cardiomyocyte hypertrophy. *Circulation* 2005;111: 1510-1516

-
2. Takabatake N, Sata M, Abe S, Inoue S, Saito H, Yuki H, Shibata Y, Kubota I : Impaired systemic cell-mediated immunity and increased susceptibility to acute respiratory tract infections in patients with COPD. *Resp Med* 2005;99:485-492
 3. Arimoto T, Takeishi Y, Shiga R, Fukui A, Tachibana H, Nozaki N, Hirono O, Nitobe J, Miyamoto T, Hoit BD, Kubota I : Prognostic value of elevated circulating heart-type fatty acid binding protein in patients with congestive heart failure. *J Card Fail* 2005;11:56-60
 4. Takabatake N, Arao T, Sata M, Abe S, Inoue S, Shibata Y, Takeishi Y, Kubota I : Involvement of pulmonary endothelial cell injury in the pathogenesis of pulmonary fibrosis: clinical assessment by ¹²³I-MIBG lung scintigraphy. *Eur J Nucl Med Imaging* 2005;32:221-228
 5. Watanabe T, Takeishi Y, Hirono O, Itoh M, Matsui M, Nakamura K, Tamada Y, Kubota I : C-reactive protein elevation predicts the occurrence of atrial structural remodeling in patients with paroxysmal atrial fibrillation. *Heart Vessels* 2005;20:45-49
 6. Tasaki K, Wakabayashi I, Shishido T, Takasaki S, Takeishi Y, Kubota I, Ito T, Katano Y, Tomoike H : Diminution of angiotensin II-induced contraction of the abdominal aorta isolated from Watanabe heritable hyperlipidemic rabbits. *J Smooth Muscle Res* 2005;41:87-97
 7. Niizeki T, Takeishi Y, Arimoto T, Takahashi T, Okuyama H, Takabatake N, Nozaki N, Hirono O, Tsunoda Y, Shishido T, Takahashi H, Koyama Y, Fukao A, Kubota I : Combination of heart-type fatty acid binding protein and brain natriuretic peptide can reliably risk stratify patients hospitalized for chronic heart failure. *Circ J* 2005;69:922-927
 8. Niizeki T, Takeishi Y, Arimoto T, Okuyama H, Takabatake N, Tachibana H, Nozaki N, Hirono O, Tsunoda Y, Miyashita T, Fukui A, Takahashi H, Koyama Y, Shishido T, Kubota I : Serum heart-type fatty acid binding protein predicts cardiac events in elderly patients with chronic heart failure. *J Cardiol* 2005;46:9-15
 9. Watanabe T, Suzuki J, Yamawaki H, Sharma VK, Sheu S-S, Berk BC : Losartan metabolite EXP3179 activates Akt and endothelial nitric oxide synthase via vascular endothelial growth factor receptor-2 in endothelial cells : angiotensin II type1 receptor-independent effects of EXP3179. *Circulation* 2005;112:1798-1805
 10. Takabatake N, Sata M, Inoue S, Shibata Y, Abe S, Wada T, Machiya J, Ji G, Matsuura T, Takeishi Y, Muramatsu M, Kubota I : A novel polymorphism in secretory phospholipase A2-IIID is associated with body weight loss in chronic obstructive pulmonary disease. *Am J Respir Crit Care Med* 2005;172:1097-1104
 11. Arimoto T, Takeishi Y, Niizeki T, Takabatake N, Okuyama H, Fukui A, Tachibana H, Nozaki N, Hirono O, Tsunoda Y, Miyashita T, Shishido T, Takahashi H, Koyama Y, Kubota I : Cystatin C, a novel measure of renal function, is an independent predictor of cardiac events in patients with heart failure. *J Card Fail* 2005;11:595-601
 12. Takabatake N, Arao T, Sata M, Inoue S, Abe S, Shibata Y, Kubota I : Circulating levels of soluble Fas ligand in cachexic patients with COPD are higher than those in non-cachexic patients with COPD. *Intern Med* 2005;44:1137-1143
 13. Arimoto T, Takeishi Y, Niizeki T, Koyama Y, Okuyama H, Nozaki N, Hirono O, Tsunoda Y, Miyashita T, Shishido T, Okada A, Takahashi K, Kubota I : Ongoing myocardial damage relates to cardiac sympathetic nervous disintegrity in patients with heart failure. *Ann Nucl Med* 2005;19:535-540
 14. Takahashi H, Takeishi Y, Arimoto T, Shishido T, Konta T, Koyama Y, Niizeki T, Kubota I : Pitavastatin inhibits cardiac hypertrophy in a rat model of progressive renal injury. *J Cardiovasc Pharmacol* 2005;46:487-493
 15. Hirose M, Takeishi Y, Miyamoto T, Kubota I, Laurita KR, Chiba S : Mechanism for atrial tachyarrhythmia in chronic volume overload-induced dilated atria. *J Cardiovasc Electrophysiol* 2005;16:760-769
 16. Inoue S, Sata M, Inage M, Kato S, Kubota I : Three cases of pulmonary actinomycosis diagnosed by fiberoptic bronchoscopy. *J Bronchol* 2005;12:273-274
 17. Kameda W, Daimon M, Oizumi T, Jimbu Y, Kimura M, Hirata A, Yamaguchi H, Ohnuma H, Igarashi M, Tominaga M, Kato T : Association of decrease in serum dehydroepiandrosterone sulfate levels with the progression to type2 diabetes in men of a Japanese population : The Funagata Study. *Metabolism* 2005;54:669-676
 18. Ren C-H, Wada M, Koyama S, Kimura H, Arawaka S, Kawanami T, Kurita K, Kadoya T, Aoki M, Itoyama Y, Kato T : Neuroprotective effect of oxidized galectin-1 in a transgenic mouse model of amyotrophic lateral sclerosis. *Exp Neurol* 2005;194:203-21
-

7 研究業績一覽

19. Kato T, Ren C-H, Wada M, Kawanami T : Galectin-1 as a potential therapeutic agent for amyotrophic lateral sclerosis. *Curr Drug Targets* 2005;6:407-418
20. Sato T, Nakanishi T, Yamamoto Y, Andersen PM, Ogawa Y, Fukada K, Zhou Z, Aoike F, Sugai F, Nagano S, Hirata S, Ogawa M, Nakano R, Ohi T, Kato T, Nakagawa M, Hamasaki T, Shimizu A, Sakoda S : Rapid disease progression correlates with instability of mutant SOD1 in familial ALS. *Neurology* 2005;65:1954-1957
21. Adachi T, Togashi H, Suzuki A, Kasai S, Ito J, Sugahara K, Kawata S : NAD(P)H oxidase plays a crucial role in PDGF-induced proliferation of hepatic stellate cells. *Hepatology* 2005;41:1272-1281
22. Honda T, Tamura G, Endoh Y, Nishizuka S, Kawata S, Motoyama T : Expression of tumor suppressor and tumor-related proteins in differentiated carcinoma, undifferentiated carcinoma with tubular component and pure undifferentiated carcinoma of the stomach. *Jpn J Clin Oncol* 2005;35:580-586
23. Okumoto K, Saito T, Hattori E, Ito JI, Suzuki A, Misawa K, Sanjo M, Takeda T, Sugahara K, Saito K, Togashi H, Kawata S : Expression of Notch signalling markers in bone marrow cells that differentiate into a liver cell lineage in a rat transplant model. *Hepatology Res* 2005;31:7-12
24. Okumoto K, Saito T, Hattori E, Ito JI, Suzuki A, Misawa K, Ishii R, Karasawa T, Haga H, Sanjo M, Takeda T, Sugahara K, Saito K, Togashi H, Kawata S : Differentiation of rat bone marrow cells cultured on artificial basement membrane containing extracellular matrix into a liver cell lineage. *J Hepatol* 2005;43:110-116
25. Otake S, Takeda H, Suzuki Y, Fukui T, Watanabe S, Ishihama K, Saito T, Togashi H, Nakamura T, Matsuzawa Y, Kawata S : Association of visceral fat accumulation and plasma adiponectin with colorectal adenoma : evidence for participation of insulin resistance. *Clin Cancer Res* 2005;11:3642-3646
26. Tsuge k, Takeda H, Kawata S, Maeda K, Yamakawa M : Characterization of dendritic cells in differentiated thyroid cancer. *J Pathol* 2005;205:565-576
27. Watanabe H, Saito T, Karasawa T, Kudo S, Nakano K, Ito JI, Sugahara K, Saito K, Togashi H, Kawata S : Reduction of serum ghrelin concentration during interferon- α therapy in patients with chronic hepatitis C. *Hepatology Res* 2005;33:14-18
28. Kijima K, Numakura C, Goto T, Takahashi T, Otagiri T, Umetsu K, Hayasaka K : Small heat shock protein 27 mutation in a Japanese patient with distal hereditary motor neuropathy. *J Hum Genet* 2005;50:473-476
29. Kijima K, Numakura C, Izumino H, Umetsu K, Nezu A, Shiiki T, Ogawa M, Ishizaki Y, Kitamura T, Shozawa Y, Hayasaka K : Mitochondrial GTPase mitofusin 2 mutation in Charcot-Marie-Tooth neuropathy type2A. *J Hum Genet* 2005;116:23-27
30. Koike H, Hirayama M, Yamamoto M, Hattori N, Umehara F, Arimura K, Ikeda S, Ando Y, Nakazato M, Kaji R, Hayasaka K, Nakagawa M, Sakoda S, Matsumura K, Onodera O, Baba M, Yasuda H, Saito T, Kira J, Nakashima K, Oka N, Sobue G : Age-associated axonal features in HNPP with 17p11.2 deletion in Japan. *J Neurol Neurosurg Ps* 2005;76:1109-1114
31. Iijima M, Yamamoto M, Hirayama M, Tanaka F, Katsuno M, Mori K, Koike H, Hattori N, Arimura K, Nakagawa M, Yoshikawa H, Hayasaka K, Onodera O, Baba M, Yasuda H, Saito T, Nakazato M, Nakashima K, Kira J, Kaji R, Oka N, Sobue G : Clinical and electrophysiologic correlates of IVIg responsiveness in CIDP. *Neurology* 2005;64:1471-1475
32. Sonoda Y, Sakurada K, Saino M, Kondo R, Sato S, Kayama T : Multimodal strategy for managing meningiomas in the elderly. *Acta Neurochir* 2005;147:131-136
33. Matsumori Y, Shwuhuey MH, Aoyama K, Yang F, Kayama T, Sheldon RA, Vexler ZS, Ferriero DM, Weinstein PR, Liu J : Hsp70 overexpression sequesters AIF and reduces neonatal hypoxic/ischemic brain injury. *Journal of cerebral blood flow and metabolism* 2005;25:899-910
34. Matsumori Y, Kayama T, Kokubo Y, Tsuchiya D : Heat Shock Protein 70 protects the neonatal brains against ischemic stress. *Yamagata Medical Journal* 2005;23:129-138
35. Igarashi H, Takahashi T, Takahashi E, Tezuka N, Nakahara K, Takahashi K, Kurachi H : Aged mouse oocytes fail to readjust intracellular adenosine triphosphates at fertilization. *Biol Reprod* 2005;72(5):1256-1261
36. Takahashi K, Miura S, Mori-Abe A, Kawagoe J, Takata K, Ohmichi M, Kurachi H : Impact of menopause on the augmentation of arterial stiffness with aging. *Gynecol Obstet Invest* 2005;60(3):162-166
37. Takahashi T, Ohmichi M, Kawagoe J, Ohshima C, Doshida M, Ohta T, Saitoh M, Mori-Abe A, Du B, Igarashi H, Takahashi K, Kurachi H : Growth factors change nuclear distribution of estrogen receptor- α via mitogen-activated protein kinase or phosphatidylinositol 3-kinase cascade in a human breast cancer cell line. *Endocrinology* 2005;146(9):4082-4089

-
38. Igarashi M, Jimbu Y, Hirata A, Tominaga M : Characterization of plasma brain natriuretic peptide level in patients with Type2 diabetes. *Endocrine Journal* 2005;52:353-362
 39. Kameda W, Daimon M, Oizumi T, Jimbu Y, Kimura M, Hirata A, Yamaguchi H, Ohnuma H, Igarashi M, Tominaga M, Kato T : Association of decrease in serum dehydroepiandrosterone sulfate levels with the progression to type 2 diabetes in men of a Japanese population. The Fungata Study. *Metabolism* 2005;54:669-676
 40. Lin C, Nagai M, Ishigaki D, Hayasaka K, Endoh M, Ishii K : Crosstalk between β_1 -adrenoceptor and ET_A receptor in modulation of the slow component of delayed rectifier K^+ currents. *Naunyn-Schmiedeberg's Arch Pharmacol* 2005;371:133-140
 41. Chu L, Endoh M : Wortmannin inhibits the myofilament Ca^{2+} sensitization induced by endothelin-1. *Eur J Pharmacol* 2005;507:135-143
 42. Chu L, Zhang J-X, Norota I, Endoh M : Differential action of a protein tyrosine kinase inhibitor, genistein, on the positive inotropic effect of endothelin-1 and norepinephrine in canine ventricular myocardium. *Br J Pharmacol* 2005;144:430-442
 43. Chu L, Zhang J-X, Norota I, Endoh M : Receptor subtypes mediating the inotropic effects and Ca^{2+} signaling induced by endothelin-1 through crosstalk with norepinephrine in canine ventricular myocardium. *J Pharmacol Sci* 2005;97:417-428
 44. Chu L, Norota I, Endoh M : Differential inhibition by the Rho kinase inhibitor Y-27632 of the increases in contractility and Ca^{2+} transients induced by endothelin-1 in rabbit ventricular myocytes. *Naunyn-Schmiedeberg's Arch Pharmacol* 2005;371:185-194
 45. Takahashi R, Endoh M : Dual regulation of myofilament Ca^{2+} sensitivity by levosimendan in normal and acidotic conditions in aequorin-loaded canine venreicular myocardium. *Brit J Pharmacol* 2005;145:1143-1152
 46. Cheng G, Ikeda Y, Iuchi Y, Fujii J : Detection of S-glutathionylated proteins by glutathione S-transferase overlay. *Arch Biochem Biophys* 2005;435:42-49
 47. Nagaoka Y, Otsu K, Okada F, Sato K, Ohba Y, Kotani N, Fujii J : Specific inactivation of cysteine protease-type cathepsin by singlet oxygen generated from naphthalene endoperoxides. *Biochem Biophys Res Commun* 2005;331:215-223
 48. Otsu K, Sato K, Ikeda Y, Imai H, Nakagawa Y, Ohba Y, Fujii J : An abortive apoptotic pathway induced by singelt oxygen is due to the suppression of caspase activation. *Biochem J* 2005;389:197-223
 49. Ishii T, Matsuki S, Iuchi Y, Okada F, Toyosaki S, Tomita Y, Ikeda Y, Fujii J : Accelerated impairment of spermatogenic cells in sod1-knockout mice under heat stress. *Free Radic Res* 2005;39:697-705
 50. Suto D, Sato K, Ohba Y, Yoshimura T, Fujii J : Suppression of the pro-apoptotic function of cytochrome c by singlet oxygen via a haem redox state-independent mechanism. *Biochem J* 2005;392:3999-406
 51. Kelly VP, Suzuki T, Nakajima O, Arai T, Tamai Y, Takahashi S, Nishimura S, Yamamoto M : The distal sequence element of the selenocysteine tRNA gene is a tissue-dependent enhancer essential for mouse embryogenesis. *Mol Cell Biol* 2005;25:3658-3669
 52. Takahashi E, Takano T, Numata A, Hayashi N, Okano S, Nakajima O, Nomura Y, Sato M : Genetic oxygen sensor : GFP as an indicator of intracellular oxygenation. *Adv Exp Med Biol* 2005;566:39-44
 53. Toya M, Hozumi Y, Ito T, Takeda M, Sakane F, Kanoh H, Saito H, Hiroi M, Kurachi H, Kondo H, Goto K : Gene expression,cellular localization and enzymatic activity of diacylglycerol kinase isozymes in rat ovary and placenta. *Cell Tissue Res* 2005;320:525-533
 54. Katagiri Y, Ito T, Saino-Saito S, Hozumi Y, Suwabe A, Otake K, Sata M, Kondo H, Sakane F, Kanoh H, Kubota I, Goto K : Expression and localization of diaylglycerol kinase isozymes and enzymatic features in rat lung. *Am J Physiol Lung Cell Mol Physiol* 2005;288:L1171-1178
 55. Daimon M, Kido T, Baba M, Oizumi T, Jimbu Y, Kameda W, Yamaguchi H, Ohnuma H, Tominaga M, Muramatsu M, Kato T : Association of the ABCA1 gene polymorphisms with type 2 DM in a Japanese population. *Biochem Biophys Res Comm* 2005;Vol.329:205-210
 56. Ikezawa Y, Yamatani K, Ohnuma H, Daimon M, Manaka H, Sasaki H : Insulin inhibits glucagon-induced glycogenolysis normally in perivenous hepatocytes of Wistar fatty rats. *Diabetes Res Clin Pract* 2005; 69:120-123
 57. Tajima K, Harada H, Karube H, Yamamoto H, Honma R, Hiroshima Y, Shimizu K, Yamamoto M, Kato Y, Akiba J, Yamada K, Kurane I, Kato T : Early detection of a case of dengue fever in Yamagata University Hospital. *Yamagata Med J* 2005;23:125-128
 58. Adachi M, Kawanami T, Ohshima H, Hosoya T : Cerebellar atrophy attributed to cerebellitis in two

7 研究業績一覽

patients. *Magn Reson Med Sci* 2005;4:103-107

59. Maeda K, Takahashi T, Saitoh C, Watarai K, Wada K, Tajima K, Harada Y, Hiroshima Y, Yamakawa M : Interdigitating cell sarcoma—A report of an autopsy case and literature review—. *J Clin Exp Hematopathol* 2005;45:37-44
60. Nagasawa H, Kurita K, Wada M, Kawanami T, Kato T: Blood transfusion-induced irreversible brain damage. *J Neurol* 2005;252:1541-1542

◀ 2004 ▶

1. Shishido T, Tasaki K, Takeishi Y, Takasaki S, Miyamoto T, Itoh M, Takahashi H, Kubota I, Ito T, Katano Y, Wakabayashi I, Tomoike H : Chronic hypertriglyceridemia in young Watanabe heritable hyperlipidemic rabbits accelerates endothelial and medial smooth muscle dysfunction. *Life Sci* 2004;74:1487-1501
2. Miyamoto T, Takeishi Y, Tazawa S, Inoue M, Aoyama T, Takahashi H, Arimoto T, Shishido T, Tomoike H, Kubota I : Fatty acid metabolism assessed by ¹²⁵I-iodophenyl-9-methylpentadecanoic acid (9MPA) and expression of fatty acid utilization enzymes in volume-overloaded hearts. *Eur J Clin Invest* 2004;34:176-181
3. Takeishi Y, Minamihaba O, Yamauchi S, Arimoto T, Hirono O, Takahashi H, Akiyama H, Miyamoto T, Nitobe J, Nozaki N, Tachibana H, Okuyama M, Fukui A, Kubota I, Okada A, Takahashi K : Dynamic ¹²³I BMIPP single-photon emission computed tomography in patients with congestive heart failure : Effect of angiotensin II type-1receptor blockade. *Clin Cardiol* 2004;27:204-210
4. Kaniz F, Hirono O, Masakane I, Nitobe J, Kaneko K, Zhang X, Takeishi Y, Kubota I : Dynamic assessment of myocardial involvement in patients with end-stage renal disease by ultrasonic tissue characterization and serum markers of collagen metabolism. *Clin Cardiol* 2004;27:228-234
5. Takahashi H, Takeishi Y, Miyamoto T, Shishido T, Arimoto T, Konta T, Miyashita T, Ito M, Kubota I : Protein kinase C and extracellular signal regulated kinase are involved in cardiac hypertrophy of rats with progressive renal injury. *Eur J Clin Invest* 2004;34:85-93
6. Arimoto T, Takeishi Y, Fukui A, Tachibana H, Nozaki N, Hirono O, Yamaguchi H, Itoh M, Miyamoto T, Takahashi H, Okada A, Takahashi K, Kubota I : Dynamic ¹²³I-MIBG SPECT reflects sympathetic nervous integrity and predicts clinical outcome in patients with chronic heart failure. *Ann Nucl Med* 2004;18:145-150
7. Miyamoto T, Takeishi Y, Takahashi H, Shishido T, Arimoto T, Tomoike H, Kubota I : Activation of distinct signal transduction pathways in hypertrophied hearts by pressure and volume overload. *Basic Res Cardiol* 2004;99:328-337
8. Tsunoda Y, Nakada S, Tojo T, Miyamoto T, Tomoike H : Beneficial effects of CV-1974 on vascular remodeling induced by long-term volume overload in rabbits. *Yamagata Med J* 2004;22:29-39
9. Tsunoda Y, Takeishi Y, Nozaki N, Kitahara T, Kubota I : Presence of intermittent J waves in multiple leads in relation to episode of atrial and ventricular fibrillation. *J Electrocardiol* 2004;37:311-314
10. Nozaki N, Shishido T, Takeishi Y, Kubota I : Modulation of doxorubicin-induced cardiac dysfunction in toll-like receptor-2-knockout mice. *Circulation* 2004;110:2869-2874
11. Yuuki K, Hosoya Y, Kubota I, Yamaki M : Dynamic and not static change in ventricular repolarization is a substrate of ventricular arrhythmia on chronic ischemic myocardium. *Cardiovasc Res* 2004;63:645-652
12. Tozawa T, Tamura G, Honda T, Nawata S, Kimura W, Makino N, Kawata S, Sugai T, Suto T, Motoyama T : Promoter hypermethylation of DAP-kinase is associated with poor survival in primary biliary tract carcinoma patients. *Cancer Sci* 2004;95:736-740
13. Honda T, Tamura G, Waki T, Kawata S, Terashima M, Nishizuka S, Motoyama T : Demethylation of MAGE promoters during gastric cancer progression. *Br J Cancer* 2004;90:838-843
14. Honda T, Tamura G, Waki T, Kawata S, Nishizuka S, Motoyama T : Promoter hypermethylation of the Chfr gene in neoplastic and non-neoplastic gastric epithelia. *Br J Cancer* 2004;90:2013-2016
15. Okumoto K, Hattori E, Tamura K, Kiso S, Watanabe H, Saito K, Saito T, Togashi H, Kawata S : Possible contribution of circulating transforming growth factor-beta1 to immunity and prognosis in unresectable hepatocellular carcinoma. *Liver Int* 2004;24:21-28
16. Saito T, Ji G, Shinzawa H, Okumoto K, Hattori E, Adachi T, Takeda T, Sugahara K, Ito JI, Watanabe H, Saito K, Togashi H, Ishii K, Matsuura T, Inageda K, Muramatsu M, Kawata S : Genetic variations in humans associated with differences in the course of hepatitis C. *Biochem Biophys Res Commun* 2004;317:335-341

-
17. Saito T, Watanabe H, Shao L, Okumoto K, Hattori E, Sanjo M, Misawa K, Suzuki A, Takeda T, Sugahara K, Ito JI, Saito K, Togashi H, Kawata S : Transmission of hepatitis C virus quasispecies between human adults. *Hepatol Res* 2004;30:57-62
 18. Wada M, Ren C-H, Koyama S, Arawaka S, Kawakatsu S, Kimura H, Nagasawa H, Kawanami T, Kurita K, Daimon M, Hirano A, Kato T : A human granin-like neuroendocrine peptide precursor (proSAAS) immunoreactivity in tau inclusions of Alzheimer's disease and parkinsonism-dementia complex on Guam. *Neurosci Lett* 2004;356:49-52
 19. Kikuchi-Horie K, Kawakami E, Kamata M, Wada M, Hu J-G, Nakagawa H, Ohara K, Watabe K, Oyanagi K : Distinctive expression of midkine in the repair period of rat brain during neurogenesis : Immunohistochemical and immunoelectron microscopic observations. *J Neurosci Res* 2004;75:678-687
 20. Oishi A, Ohmichi M, Takahashi K, Takahashi T, Mori-Abe A, Kawagoe J, Otsu R, Mochizuki Y, Inaba N, Kurachi H : Medroxyprogesterone acetate attenuates estrogen-induced nitric oxide production in human umbilical vein endothelial cells. *Biochem Biophys Res Commun* 2004;324(1):193-198
 21. Du B, Ohmichi M, Takahashi K, Kawagoe J, Ohshima C, Igarashi H, Mori-Abe A, Saitoh M, Ohta T, Ohishi A, Doshida M, Tezuka N, Takahashi T, Kurachi H : Both estrogen and raloxifene protect against β -amyloid-induced neurotoxicity in estrogen receptor α -transfected PC12 cells by activation of telomerase activity via Akt cascade. *J Endocrinol* 2004;183(3):605-615
 22. Takahashi K, Tanaka E, Murakami M, Mori-Abe A, Kawagoe J, Takata K, Ohmichi M, Kurachi H : Long-term hormone replacement therapy delays the age related progression of carotid intima-media thickness in healthy postmenopausal women. *Maturitas* 2004;49:170-177
 23. Saino M, Maruyama T, Sekiya T, Kayama T, Murakami Y : Induction of angiogenesis in human glioma cell lines by antisense RNA from the soluble guanylate cyclase genes, GUCY1A3 and GUCY1B3. *Oncology Reports* 2004;12:47-52
 24. Kijima K, Numakura C, Shirahata E, Sawaishi Y, Shimohata M, Igarashi S, Tanaka T, Hayasaka K : Periaxin mutation causes early-onset but slow-progressive Charcot-Marie-Tooth disease. *J Hum Genet* 2004;49:376-379
 25. Kurihara S, Adachi Y, Imai C, Araki H, Hattori N, Numakura C, Youwei L, Hayasaka K, Sobue G, Nakashima K : Charcot-Marie-Tooth families in Japan with MPZ Thr124Met mutation. *J Neurol Neurosurg Ps* 2004;75:1492-1494
 26. Saito T, Watanabe H, Shao L, Okumoto K, Hattori E, Sanjo M, Misawa K, Suzuki A, Takeda T, Sugahara K, Ito J, Saito K, Togashi H, Kawata S : Transmission of hepatitis C virus quasispecies between human adults. *Hepatol Res* 2004;30:57-62
 27. Ali H, Nakano T, Saino-S S, Hozumi Y, Katagiri Y, Kamii H, Sato S, Kayama T, Kondo H, Goto K : Selective translocation of diacylglycerol kinase zeta in hippocampal neurons under transient forebrain ischemia. *Neurosci Lett* 2004;372:190-195
 28. Goto K, Kondo H : Functional implications of diacylglycerol kinase family. *Advance Enzyme Regul* 2004;44 :187-199
 29. Ito T, Hozumi Y, Saino-S S, Sakane F, Kanoh H, Aoyagi M, Kondo H, Goto K : Cloning and characterization of diacylglycerol kinase iota splice variants in rat brain, *J Biol Chem*. 2004;279:23317-23326
 30. Muto A, Tashiro S, Nakajima O, Hoshino H, Takahashi S, Sakoda E, Ikebe D, Yamamoto M, Igarashi K : The transcriptional programme of antibody class switching involves the repressor Bach2. *Nature* 2004;429:566-71
 31. Otsu K, Ikeda Y, Fujii J : The accumulation of Mn-superoxide dismutase under metal-depleted conditions : An implicated role of zinc ion for cellular redox balance. *Biochem J* 2004;377:241-248
 32. Iuchi Y, Kaneko T, Matsuki S, Ishii T, Ikeda Y, Uchida K, Fujii J : Carbonyl stress and detoxification ability in the male genital tract and testis of rats. *Histochem Cell Biol* 2004;121:123-130
 33. Nagaoka Y, Iuchi Y, Ikeda Y, Fujii J : Glutathione reductase is expressed at high levels in pancreatic islet cells. *Redox Rep* 2004;9:321-324
 34. Yomogida S, Maruya J, Norota I, Ishii K, Endoh M : Differential inhibition by TAK-044 of the inotropic effects of endothelin-1 and endothelin-3. *Eur J Pharmacol* 2004;492:217-224
 35. Chu L, Norota I, Yomogida S, Ishii K, Endoh M : Differential inotropic effects of endothelin-1, angiotensin II, and phenylephrine induced by crosstalk with cAMP-mediated signaling process in dog ventricular myocardium. *J Pharmacol Sci* 2004;96:19-207
 36. Kameda W, Kawanami T, Kurita K, Daimon M, Kayama T, Hosoya T, Kato T : Lateral and medial
-

7 研究業績一覽

- medullary infarction : a comparative analysis of 214 patients. *Stroke* 2004;35:694-699
37. Yamaguchi H, Igarashi M, Hirata A, Sugae N, Tsuchiya H, Jimbu Y, Tominaga M, Kato T : Altered PDGE-BB-induced p38 MAP kinase activation in diabetic vascular smooth muscle cells : Roles of protein kinase C- δ . *Arterioscler Thromb Vasc Biol* 2004;24:2095-2101
 38. Yamaguchi H, Igarashi M, Hirata A, Tsuchiya H, Sugiyama K, Morita Y, Jimbu Y, Ohnuma H, Daimon M, Tominaga M, Kato T : Progression of diabetic nephropathy enhances the plasma osteopontin level in type 2 diabetic patients. *Endocr J* 2004;51:499-504
 39. Karasawa S, Kawanami T, Kimura H, Kurita K, Kato T : An unusual case of hypertensive encephalopathy involving the brain stem. *Intern Med* 2004;43:448-449
 40. Kato Y : Mechanism of novel fibronectin receptor monoclonal antibody LAD-4-mediated inhibition of liver metastasis by murine RL σ 1 lymphoma cells. *Yamagata Med J* 2004;22:117-127
 41. Adachi M, Kawanami T, Ohshima H, Sugai Y, Hosoya T : Morning glory sign: a particular MR finding in progressive supranuclear palsy. *Magn Reson Med* 2004;3:125-132

◀ 2003 ▶

1. Miyamoto T, Takeishi Y, Shishido T, Takahashi H, Itoh M, Kubota I, Tomoike H : Role of nitric oxide in the progression of cardiovascular remodeling induced by carotid arterio-venous shunt in rabbits. *Jpn Heart J* 2003;44:127-137
2. Nitobe J, Yamaguchi S, Okuyama M, Nozaki N, Sata M, Miyamoto T, Takeishi Y, Kubota I, Tomoike H : Reactive oxygen species regulate FLICE inhibitory protein (FLIP) and susceptibility to Fas-mediated apoptosis in cardiac myocytes. *Cardiovasc Res* 2003;57:119-128
3. Minamihaba O, Yamaki M, Tomoike H, Kubota I : Severity in myocardial dysfunction contributed to long-term fluctuation of heart rate, rather than short-term fluctuations. *Ann Noninvasive Electrocardiol* 2003;8:132-138
4. Yamaoka-Tojo M, Yamaguchi S, Nitobe J, Abe S, Inoue S, Nozaki N, Okuyama M, Sata M, Kubota I, Nakamura H, Tomoike H : Dual response to Fas ligation in human endothelial cells: apoptosis and induction of chemokines, interleukin-8 and monocyte chemoattractant protein-1. *Coron Artery Dis* 2003;14:89-94
5. Yamauchi S, Takeishi Y, Minamihaba O, Arimoto T, Hirono O, Takahashi H, Miyamoto T, Nitobe J, Nozaki N, Tachibana H, Watanabe T, Fukui A, Kubota I : Angiotensin-converting enzyme inhibition improves cardiac fatty acid metabolism in patients with congestive heart failure. *Nucl Med Commun* 2003;24:901-906
6. Nagai S, Takeishi Y, Kubota I : Low-dose flecainide infusion followed by oral pilsicainide is highly effective and safe for paroxysmal atrial fibrillation. *Cardiovasc Drug Ther* 2003;17:95-97
7. Ono S, Takeishi Y, Yamaguchi H, Abe S, Tachibana H, Sato T, Kubota I : Enhanced regional washout of technetium-99m-sestamibi in patients with coronary spastic angina. *Ann Nucl Med* 2003;17:393-398
8. Kaneko K, Hirono O, Kaniz F, Zhang X, Takeishi Y, Kayama T, Kubota I : Direct evidence that sustained dysfunction of left atrial appendage contributes to the occurrence of cardiogenic brain embolism in patients with paroxysmal atrial fibrillation. *Intern Med* 2003;42:1077-1083
9. Sato J, Sata M, Nakamura H, Inoue S, Wada T, Takabatake N, Otake K, Tomoike H, Kubota I : Role of thymidine phosphorylase on invasiveness and metastasis in lung adenocarcinoma. *Int J Cancer* 2003;106:863-870
10. Yamauchi K, Sata M, Machiya J, Osaka D, Wada T, Abe S, Otake K, Kubota I : Antineutrophil cytoplasmic antibody positive alveolar haemorrhage during propylthiouracil therapy for hyperthyroidism. *Respirology* 2003;8:532-535
11. Suzuki S, Konta T, Koizumi R, Nishida W, Abiko H, Kubota I : Fibrillary glomerulonephritis with hypocomplementemia. *Intern Med* 2003;42:719-722
12. Tachibana H, Yamaguchi H, Abe S, Sato T, Inoue S, Abe S, Yamaki M, Kubota I : Improvement of ventricular arrhythmia by octreotide treatment in acromegalic cardiomyopathy. *Jpn Heart J* 2003;44:1027-1031
13. Arao T, Takabatake N, Sata M, Abe S, Shibata Y, Honma T, Takahashi K, Okada A, Takeishi Y, Kubota I : In vivo evidence of endothelial injury in chronic obstructive pulmonary disease by lung scintigraphic assessment of ^{123}I -metaiodobenzylguanidine. *J Nucl Med* 2003;44:1747-1754
14. Takahashi T, Konta T, Nishida W, Igarashi A, Ichikawa K, Kubota I : Renal cholesterol embolic disease effectively treated with steroid pulse therapy. *Intern Med* 2003;42:1206-1209

-
15. Shishido T, Nozaki N, Yamaguchi S, Nitobe J, Miyamoto T, Takahashi H, Arimoto T, Maeda K, Yamakawa M, Takeuchi O, Akira S, Takeishi Y, Kubota I : Toll-like receptor-2modulates ventricular remodeling after myocardial infarction. *Circulation* 2003;108:2905-2910
 16. Wada M, Ono S, Kadoya T, Kawanami T, Kurita K, Kato T : Decreased galectin-1 immunoreactivity of the skin in amyotrophic lateral sclerosis. *J Neurol Sci* 2003;208:67-70
 17. Nagaoka U, Uchihara T, Iwabuchi K, Konno H, Tobita M, Funata N, Yagishita S, Kato T : Attenuated nuclear shrinkage in neurones with nuclear inclusions of SCA1brains. *J Neurol Neurosurg Psychiat* 2003;74:597-601
 18. Wada M, Kimura M, Daimon M, Kurita K, Kato T, Johmura Y, Johkura K, Kuroiwa Y, Sobue G : An unusual phenotype of McLeod syndrome with late onset axonal neuropathy. *J Neurol Neurosurg Psychiat* 2003;74:1697-1698
 19. Kato T, Kimura H, Daimon M : Is endotoxin an environmental cause of Parkinson's disease? *Neuro-epidemiology* 2003;22:314
 20. Akiyama S, Tamura G, Endoh Y, Fukushima N, Ichihara Y, Aizawa K, Kawata S, Motoyama T : Histogenesis of hepatoid adenocarcinoma of the stomach:Molecular evidence of identical origin with coexistent tubular adenocarcinoma. *Int J Cancer* 2003;106:510-515
 21. Hattori E, Okumoto K, Adachi T, Takeda T, Ito JI, Sugahara K, Watanabe H, Saito K, Saito T, Togashi H, Kawata S : Possible contribution of circulating interleukin-10(IL-10)to anti-tumor immunity and prognosis in patients with unresectable hepatocellular carcinoma. *Hepatol Res* 2003;27:308-313
 22. Okumoto K, Saito T, Hattori E, Ito JI, Adachi T, Takeda T, Sugahara K, Watanabe H, Saito K, Togashi H, Kawata S : Differentiation of bone marrow cells into cells that express liver-specific genes in vitro : implication of the Notch signals in differentiation. *Biochem Biophys Res Commun* 2003;304:691-695
 23. Sugahara K, Togashi H, Takahashi K, Onodera Y, Sanjo M, Misawa K, Suzuki A, Adachi T, Ito J, Okumoto K, Hattori E, Takeda T, Watanabe H, Saito K, Saito T and Kawata S : Separate analysis of aialoglycoprotein receptors in the right and left hepatic lobes using^{99m}Tc-GSA SPECT. *Hepatology* 2003;38:1401-1409
 24. Takeda H, Ishihama K, Fukui T, Fujishima S, Orii T, Nakazawa Y, Shu HJ, Kawata S : Significance of rapid turnover proteins in protein-losing gastroenteropathy. *Hepatogastroenterology* 2003;50:1963-1965
 25. Takeda Y, Hiraishi K, Takeda H, Shiobara N, Shibusawa H, Saniabadi AR, Adachi M, Kawata S : Cellulose acetate beads induce release of interleukin-1receptor antagonist, but not tumour necrosis factor-alpha or interleukin-1beta in human peripheral blood. *Inflamm Res* 2003;52:287-290
 26. Togashi H, Oikawa K, Adachi T, Sugahara K, Ito J, Takeda T, Watanabe H, Saito K, Saito T, Fukui T, Takeda H, Ohya H, Kawata S : Mucosal sulfhydryl compounds evaluation by in vivo electron spin resonance spectroscopy in mice with experimental colitis. *Gut* 2003;52:1291-1296
 27. Watanabe H, Saito T, Shinzawa H, Okumoto K, Hattori E, Adachi T, Takeda T, Sugahara K, Ito JI, Saito K, Togashi H, Suzuki R, Hayashi M, Miyamura T, Matsuura Y, Kawata S : Spontaneous elimination of serum hepatitis C virus (HCV) RNA in chronic HCV carriers: A population-based cohort study. *J Med Virol* 2003 ;71:56 -61
 28. Ogata S, Florese RH, Nagano-Fujii M, Hidajat R, Deng L, Ku Y, Yoon S, Saito T, Kawata S, Hotta H : Identification of hepatitis C virus(HCV)subtype1b strains that are highly, or only weakly, associated with hepatocellular carcinoma on the basis of the secondary structure of an amino-terminal portion of the HCV NS3 protein. *J Clin Microbiol* 2003;41:2835-2841
 29. Daimon M, Oizumi T, Saitoh T, Kameda W, Hirata A, Yamaguchi H, Ohnuma H, Igarashi M, Tominaga M, Kato T : Decreased serum levels of adiponectin are a risk factor for the progression to Type 2 diabetes in the Japanese population : The Funagata study. *Diabetes Care* 2003;26:2015-2020
 30. Tsuchiya D, Hong S, Matsumori Y, Shiina H, Kayama T, Swanson RA, Dillman WH, Liu J, Panter SS, Weinstein PR : Overexpression of rat heat shock protein 70 is associated with reduction of early mitochondrial cytochrome c release and subsequent DNA fragmentation after permanent focal ischemia. *Journal of cerebral blood flow and metabolism* 2003;23:718-727
 31. Kokubo Y, Liu J, Rajdev S, Kayama T, Sharp FR, Weinstein PR : Differential cerebral protein synthesis and heat shock protein 70 expression in the core and penumbra of rat brain after transient focal ischemia. *Neurosurgery* 2003;53:186-19.
 32. Tsuchiya D, Hong S, Matsumori Y, Kayama T, Swanson RA, Dillman WH, Liu J, Panter SS, Weinstein PR : Overexpression of rat heat shock protein70 reduces neuronal injury after transient focal ischemia, transient global ischemia, or kainic acid-induced seizures. *Neurosurgery* 2003;53:1179-87
-

33. Sonoda Y, Kanamori M, Deen DF, Cheng SY, Berger MS, Pieper RO : Overexpression of vascular endothelial growth factor isoforms drives oxygenation and growth but not progression to glioblastoma multiforme in a human model of gliomagenesis. *Cancer Res* 2003;63:1962-1968
34. Hattori N, Yamamoto M, Yoshihara T, Koike H, Nakagawa M, Yoshikawa H, Ohnishi A, Hayasaka K, Onodera O, Baba M, Yasuda H, Saito T, Nakashima K, Kira J, Kaji R, Oka N, Sobue G : Demyelinating and axonal features of Charcot-Marie-Tooth disease with mutations of myelin-related proteins(PMP22, MPZ and Cx32): a clinicopathological study of 205 Japanese patients. *Brain* 2003;126(Pt1):134-151
35. Nishise Y, Fukao A, Takahashi T : Risk factors for Helicobacter pylori infection among a rural population in Japan : relation to living environment and medical history. *J Epidemiol* 2003;13:266-73
36. Hozumi Y, Ito T, Nakano T, Nakagawa T, Aoyagi M, Kondo H, Goto K : Nuclear localization of diacylglycerol kinase ζ in neurons. *Eur J Neurosci* 2003;18:1448-1457
37. Wakabayashi J, Yomogida K, Nakajima O, Yoh K, Takahashi S, Engel JD, Ohneda K, Yamamoto M : GATA-1 testis activation region is essential for Sertoli cell-specific expression of GATA-1 gene in transgenic mouse. *Genes Cells* 2003;8:619-630
38. Moriguchi T, Motohashi H, Hosoya T, Nakajima O, Takahashi S, Ohsako S, Aoki Y, Nishimura N, Tohyama C, Fujii-Kuriyama Y, Yamamoto M : Distinct response to dioxin in an arylhydrocarbon receptor (AHR)-humanized mouse. *Proc Natl Acad Sci USA* 2003;100:5652-5657
39. Morita M, Kobayashi A, Yamashita T, Shimanuki T, Nakajima O, Takahashi S, Ikegami S, Inokuchi K, Yamashita K, Yamamoto M, Fujii-Kuriyama Y : Functional analysis of basic transcription element binding protein by gene targeting technology. *Mol Cell Biol* 2003;23:2489-500
40. Morita M, Ohneda O, Yamashita T, Takahashi S, Suzuki N, Nakajima O, Kawauchi S, Ema M, Shibahara S, Udono T, Tomita K, Tamai M, Sogawa K, Yamamoto M, Fujii-Kuriyama Y : HLF/HIF-2 alpha is a key factor in retinopathy of prematurity in association with erythropoietin. *EMBO J* 2003;22:1134-1146
41. Harigae H, Nakajima O, Suwabe N, Yokoyama H, Furuyama K, Sasaki T, Kaku M, Yamamoto M, Sassa S : Aberrant iron accumulation and oxidized status of erythroid-specific d-aminolevulinic synthase (ALAS2)-deficient definitive erythroblasts. *Blood* 2003 Feb 1;101(3):1188-93.
42. Matsuki S, Iuchi Y, Ikeda Y, Sasagawa I, Tomita Y, Fujii J : Suppression of cytochrome c release and apoptosis in testes with heat stress by minocycline. *Biochem Biophys Res Commun* 2003;312:843-849
43. Endoh M : The therapeutic potential of novel cardiostimulant agents. *Expert Opin Invest Drugs* 2003;12:735-750
44. Endoh M, Chu L, Norota I, Ishii K : Differential inhibitory effect of the phosphatase inhibitor cantharidin on the anti-adrenergic effect of endothelin-1 and carbachol in the canine ventricular myocardium. *Pathophysiol Cardiovasc Disease* 2003;137-151
45. Chu L, Takahashi R, Norota I, Miyamoto T, Takeishi Y, Ishii K, Kubota I, Endoh M : Signal transduction and Ca²⁺ signaling in contractile regulation induced by crosstalk between endothelin-1 and norepinephrine in dog ventricular myocardium. *Circ Res* 2003;92:1024-1032
46. Daimon M, Sugiyama K, Kameda W, Saito T, Oizumi T, Hitara A, Yamaguchi H, Ohnuma H, Igarashi M, Kato T : Increased urinary levels of pentosidine, pyrroline and acrolein adduct in type 2 diabetes. *Endocrine Journal* 2003;50:61-67
47. Daimon M, Oizumi T, Saitoh T, Kameda W, Hirata A, Yamaguchi H, Ohnuma H, Igarashi M, Tominaga M, Kato K : The D allele of the angiotensin-converting enzyme insertion/deletion (I/D) polymorphism is a risk factor for type 2 diabetes in a population-based Japanese sample. *Endocrine J* 2003;50:393-398
48. Igarashi M, Hirata H, Yamauchi T, Yamaguchi H, Tsuchiya H, Ohnuma H, Okuyama Y, Otsu N, Fukuyama H, Shirata T, Takahashi S, Jimbu Y, Tominaga M, Kato T : Clinical utility and approach to estimate postprandial hypertriglyceridemia by a newly designed oral fat-loading test. *J Atheroscler Thromb* 2003;10:314-320
49. Tobisawa S, Hozumi Y, Arawaka S, Koyama S, Wada M, Nagai M, Aoki M, Itoyama Y, Goto K, Kato T : Mutant SOD1 linked to familial amyotrophic lateral sclerosis, but not wild-type SOD1, induced ER stress in COS7 cells and transgenic mice. *Biochem Biophys Res Commun* 2003;303:496-503
50. Daimon M, Oizumi T, Saitoh T, Kameda W, Hirata A, Yamaguchi H, Ohnuma H, Igarashi M, Tominaga M, Kato T : Decreased serum levels of adiponectin are a risk factor for the progression to type 2 diabetes in the Japanese population. *Diabetes Care* 2003;26:2015-2020
51. Kikuchi K, Arawaka S, Koyama S, Kimura H, Ren C-H, Wada M, Kawanami T, Kurita K, Daimon M, Kawakatsu S, Kadoya T, Goto K, Kato T : An N-terminal fragment of proSAAS (a granin-like neuroendocrine peptide precursor) is associated with tau inclusions in Pick's disease. *Biochem Biophys Res*

Commun 2003;308:646-654

52. Igarashi M, Hirata A, Yamaguchi H, Sugae N, Kadomoto Y, Jimbu Y, Daimon M, Kato T, Tominaga M : Mechanism of an inhibitory effect of nipradilol on rat vascular smooth muscle cell growth. *J Atheroscler Thromb* 2003;10:226-233
53. Daimon M, Ji G, Saitoh T, Oizumi T, Tominaga M, Nakamura T, Ishii K, Matsuura T, Inageda K, Matsumine H, Kido T, Htay L, Kamatani N, Muramatsu M, Kato T : Large-scale search of SNPs for type 2 DM susceptibility genes in a Japanese population. *Biochem Biophys Res Commun* 2003;302:751-758
54. Wada M, Kurita K, Tajima K, Kawanami T, Kato T : A case of inflammatory demyelinating polyradiculoneuropathy associated with T-cell lymphoma. *Acta Neurol Scand* 2003;107:62-66
55. Ikezawa Y, Yamatani K, Ohnuma H, Daimon M, Manaka H, Sasaki H: Glucagon-like peptide-1 inhibits glucagon-induced glycogenolysis in perivenous hepatocytes specifically. *Regul Pept* 2003;207-210
56. Susa S, Daimon M, Ono H, Li S, Yoshida T, Kato T : The long, but not the short, presequence of human coproporphyrinogen oxidase is essential for its import and sorting to mitochondria. *Tohoku J Exp Med* 2003;200:39-450