

< 生命医科学域 >

神経内分泌学

a) 英文論文

1. Lee MC, Okamoto M, Liu YF, Inoue K, Matsui T, Nogami H, Soya H. Voluntary resistance running with short distance enhances spatial memory related to hippocampal BDNF signaling. *J Appl Physiol* 113(8):1260-1266, 2012
2. Nogami H, Soya H, Hiraoka Y, Aiso S, Hisano S. Epidermal growth factor-activated extracellular signal-regulated kinase suppresses growth hormone expression and stimulates proliferation in MtT/E cells. *J Neuroendocrinol* 24(2):357-365, 2012
3. Ozaki S, Hisano S, Iwamoto Y. Potency of animal models in Kansei Engineering - A basic approach from neuroscience. *Kansei Engineering International Journal* 11:127-132, 2012
4. Sanada K, Sugimoto K, Shutoh F, Hisano S. Lemon odor reduces stress-induced neuronal activation in the emotion expression system: an animal model study. *Kansei Engineering International Journal* 11:115-120, 2012
5. Yoshida S, Hisano S. Vesicular glutamate transporter 2 expression in the rat pineal gland: detailed analysis of expression pattern and regulatory mechanism. *Kansei Engineering International Journal* 11:133-137, 2012

解剖学・発生学

a) 英文論文

1. Avci HX, Lebrun C, Wehrlé R, Doulazmi M, Chatonnet F, Morel MP, Ema M, Vodjdani G, Sotelo C, Flamant F, Dusart I. Thyroid hormone triggers the developmental loss of axonal regenerative capacity via thyroid hormone receptor $\alpha 1$ and krüppel-like factor 9 in Purkinje cells. *Proc Natl Acad Sci U S A* 109(35):14206-14211, 2012
2. Fujita A, Yoh K, Shimohata H, Morito N, Ojima M, Okamura M, Takahashi S, Yamagata K. A novel diabetes mellitus mouse model, MafA-deficient and beta cell-specific MAFK-overexpressing hybrid transgenic mice, developed severe diabetic nephropathy and improved with TCV-116 (candesartan cilexetil) treatment. *Exp Anim* 61(1):49-57, 2012
3. Inoue A, Matsumoto I, Tanaka Y, Umeda N, Tanaka Y, Mihara M, Takahashi S, Sumida T. Murine tumor necrosis factor alpha-induced adipose-related protein (tumor necrosis factor alpha-induced protein 9) deficiency leads to arthritis via interleukin-6 overproduction with enhanced NF- κ B, STAT-3 signaling, and dysregulated apoptosis of macrophages. *Arthritis Rheum* 64(12):3877-3885, 2012
4. Kondo Y, Iizuka M, Wakamatsu E, Yao Z, Tahara M, Tsuboi H, Sugihara M, Hayashi T, Yoh K, Takahashi S, Matsumoto I, Sumida T. Overexpression of T-bet gene regulates murine autoimmune arthritis. *Arthritis Rheum* 64(1):162-172, 2012
5. Lebrun C, Avci HX, Wehrlé R, Doulazmi M, Jaudon F, Morel MP, Rivals I, Ema M, Schmidt S,

- Sotelo C, Vodjdani G, Dusart I. Klf9 is necessary and sufficient for Purkinje cell survival in organotypic culture. *Mol Cell Neurosci* 54:9-21, 2013, doi: 10.1016/j.mcn.2012.11.010., 2012
6. Matsumoto K, Azami T, Otsu A, Takase H, Ishitobi H, Tanaka J, Miwa Y, Takahashi S, Emma M. Study of normal and pathological blood vessel morphogenesis in Flt1-tdsRed BAC Tg mice. *Genesis* 50(7):561-571, 2012
 7. Nagamine S, Tamba M, Ishimine H, Araki K, Shiomi K, Okada T, Ohto T, Kunita S, Takahashi S, Wismans RG, van Kuppevelt TH, Masu M, Keino-Masu K. Organ-specific sulfation patterns of heparan sulfate generated by extracellular sulfatases Sulf1 and Sulf2 in mice. *J Biol Chem* 287(12):9579-9590, 2012
 8. Oishi H, Itoh S, Matsumoto K, Ishitobi H, Suzuki R, Emma M, Kojima T, Uchida K, Kato M, Miyata T, Takahashi S. Delayed cutaneous wound healing in Fam129b/Minerva-deficient mice. *J Biochem* 152(6):549-555, 2012
 9. Sano K, Katsuta O, Shirae S, Kubota Y, Emma M, Suda T, Nakamura M, Hirashima M. Flt1 and Flk1 mediate regulation of intraocular pressure and their double heterozygosity causes the buphthalmia in mice. *Biochem Biophys Res Commun* 420(2):422-427, 2012
 10. Sekiguchi Y, Owada J, Oishi H, Katsumata T, Ikeda K, Kudo T, Takahashi S. Noninvasive monitoring of β -cell mass and fetal β -cell genesis in mice using bioluminescence imaging. *Exp Anim* 61(4):445-451, 2012
 11. Takase H, Matsumoto K, Yamadera R, Kubota Y, Otsu A, Suzuki R, Ishitobi H, Mochizuki H, Kojima T, Takano S, Uchida K, Takahashi S, Emma M. Genome-wide identification of endothelial cell-enriched genes in the mouse embryo. *Blood* 120(4):914-923, 2012
 12. Tojo M, Takebe A, Takahashi S, Tanaka K, Imamura T, Miyazono K, Chiba T. Smad7-deficient mice show growth retardation with reduced viability. *J Biochem* 151(6):621-631, 2012
 13. Yoh K, Morito N, Ojima M, Shibuya K, Yamashita Y, Morishima Y, Ishii Y, Kusakabe M, Nishikii H, Fujita A, Matsunaga E, Okamura M, Hamada M, Suto A, Nakajima H, Shibuya A, Yamagata K, Takahashi S. Overexpression of ROR γ t under control of the CD2 promoter induces polyclonal plasmacytosis and autoantibody production in transgenic mice. *Eur J Immunol* 42(8):1999-2009, 2012

神経生物学

a)英文論文

1. Ishikawa C, Shiga T. Massage changes babies' body, brain and behavior. *Kansei Engineering International J* 11:109-114, 2012
2. Iwakura T, Sakoh M, Tsutiya A, Yamashita N, Ohtani A, Tsuda MC, Ogawa S, Tsukahara S, Nishihara M, Shiga T, Goshima Y, Kato T, Ohtani-Kaneko R. Collapsin response mediator protein 4 affects the number of tyrosine hydroxylase-immunoreactive neurons in the sexually dimorphic nucleus in female mice. *Dev Neurobiol* doi: 10.1002/dneu.22076., 2012

3. Kobayashi A, Senzaki K, Ozaki S, Yoshikawa M, Shiga T. Runx1 promotes neuronal differentiation in dorsal root ganglion. *Mol Cell Neurosci* 49(1):23-31, 2012
4. Li F, Ohtani A, Senzaki K, Shiga T. Receptor-dependent regulation of dendrite formation of noradrenaline and dopamine in non-GABAergic cerebral cortical neurons. *Dev Neurobiol* doi: 10.1002/dneu.22065., 2012
5. Masuda T, Sakuma C, Taniguchi M, Kanemoto A, Yoshizawa M, Satomi K, Tanaka H, Takeuchi K, Ueda S, Yaginuma H, Shiga T. Development of the dorsal ramus of the spinal nerve in the chick embryo: a close relationship between development and expression of guidance cues. *Brain Res* 1480:30-40, 2012
6. Yamamuro T, Hori M, Nakagawa Y, Hayashi T, Sakamoto S, Ohnishi J, Takeuchi S, Mihara Y, Shiga T, Murakami K, Urayama O. Tickling stimulation causes the up-regulation of the kallikrein family in the submandibular gland of the rat. *Behav Brain Res* doi: 10.1016/j.bbr.2012.09.001., 2012

診断病理学

a) 英文論文

1. Kawamura T, Usui J, Kaseda K, Takada K, Ebihara I, Ishizu T, Iitsuka T, Sakai K, Takemura K, Kobayashi M, Koyama A, Kanemoto K, Sumazaki R, Uesugi N, Noguchi M, Nagata M, Suka M, Yamagata K. Primary membranoproliferative glomerulonephritis on the decline: decreased rate from the 1970s to the 2000s in Japan. *Clin Exp Nephrol* doi: 10.1007/s10157-012-0690-7., 2012
2. Kondo Y, Iijima T, Noguchi M. Evaluation of immunohistochemical staining using whole-slide imaging for HER2 scoring of breast cancer in comparison with real glass slides. *Pathol Int* 62(9):592-599, 2012
3. Nagata C, Kobayashi H, Sakata A, Satomi K, Minami Y, Morishita Y, Ohara R, Yoshikawa H, Arai Y, Nishida M, Noguchi M. Increased expression of OCIA domain containing 2 during stepwise progression of ovarian mucinous tumor. *Pathol Int* 62(7):471-476, 2012
4. Shiba-Ishii A, Noguchi M. Aberrant stratifin overexpression is regulated by tumor-associated CpG demethylation in lung adenocarcinoma. *Am J Pathol* 180(4):1653-1662, 2012
5. Tachibana K, Minami Y, Shiba-Ishii A, Kano J, Nakazato Y, Sato Y, Goya T, Noguchi M. Abnormality of the hepatocyte growth factor/MET pathway in pulmonary adenocarcinogenesis. *Lung Cancer* 75(2):181-188, 2012
6. Watanabe M, Tamaoka A, Morishita Y, Noguchi M. Cilnidipine Lowers Plasma Leptin of Patients with Obese Hypertension Associated with Cerebrovascular Disorder. *Open Access Scientific Reports* 1(11):529-602, 2012

b) 英文以外の論文

1. 木村友, 及川剛, 池田篤, 吉野喬, 末富崇, 宮崎淳, 島居徹, 橋本孝, 杉田真, 野口雅之, 西山博. 陰莖原発紡錘形細胞肉腫の1例. 泌尿器科紀要 58(6):299-305, 2012
2. 佐藤泰樹, 南優子, 野口雅之. 肺癌の新しい病理組織分類—その意義と意図. 医学のあゆみ 240(13):1041-1044, 2012
3. 竹内朋代, 森下由紀雄, 野口雅之. バイオバンク構築における病理の役割【共同研究の起点として機能する我が国のバイオバンクの実例】大学病院を中心とした地域レベルのバンキングシステム構築の試み. 病理と臨床 30(6):646-653, 2012
4. 野口雅之. 肺癌の病理—特に肺腺癌の分類の現状について—. 肺癌 52(3):339-345, 2012
5. 野口雅之. 【肺腺癌の分類】肺腺癌新国際分類(IASLC,ATS,ERS)の概要.肺腺癌の診断と治療—新しい分類と臨床治療の変化—. 病理と臨床 30(5):484-487, 2012
6. 南優子, 野口雅之. 【肺腺癌の分類】上皮内腺癌と微少浸潤性腺癌. 肺腺癌の診断と治療—新しい分類と臨床治療の変化—. 病理と臨床 30(5):488-491, 2012

実験病理学

a)英文論文

1. Ido K, Ohwada T, Yasutomi E, Yoshinaga T, Arai T, Kato M and Sawada K. Screening quality for Ca(2+)-activated potassium channel in IonWorks Quattro is greatly improved by using BAPTA-AM and ionomycin. *J Pharmacol Toxicol Methods*. doi: 10.1016/j.vascn.2012.10.005. , 2012
2. Itoh F, Itoh S, Adachi T, Ichikawa K, Matsumura Y, Takagi T, Festing M, Watanabe T, Weinstein M, Karlsson S, Kato M. Smad2/Smad3 in endothelium is indispensable for vascular stability via S1PR1 and N-cadherin expressions. *Blood* 119(22):5320-5328, 2012
3. Oishi H, Itoh S, Matsumoto K, Ishitobi H, Suzuki R, Ema M, Kojima T, Uchida K, Kato M, Miyata T, Takahashi S. Delayed cutaneous wound healing in Fam129b/Minerva-deficient mice. *J Biochem* 152(6):549-555, 2012

腎・血管病理学

a)英文論文

1. Furuya K, Yasumori K, Takeo S, Sakino I, Uesugi N, Momosaki S, Muranaka T. Lung CT: Part 1, Mimickers of lung cancer--spectrum of CT findings with pathologic correlation. *AJR Am J Roentgenol* 199(4):W454-463, 2012
2. Iijima K, Someya T, Ito S, Nozu K, Nakanishi K, Matsuoka K, Ohashi H, Nagata M, Kamei K, Sasaki S. Focal segmental glomerulosclerosis in patients with complete deletion of one WT1 allele. *Pediatrics* 129(6):e1621-1625, 2012
3. Kawamura T, Usui J, Kaseda K, Takada K, Ebihara I, Ishizu T, Iitsuka T, Sakai K, Takemura K,

- Kobayashi M, Koyama A, Kanemoto K, Sumazaki R, Uesugi N, Noguchi M, Nagata M, Suka M, Yamagata K. Primary membranoproliferative glomerulonephritis on the decline: decreased rate from the 1970s to the 2000s in Japan. *Clin Exp Nephrol* doi: 10.1007/s10157-012-0690-7., 2012
4. Mizushima I, Yamada K, Fujii H, Inoue D, Umehara H, Yamagishi M, Yamaguchi Y, Nagata M, Matsumura M, Kawano M. Clinical and histological changes associated with corticosteroid therapy in IgG4-related tubulointerstitial nephritis. *Mod Rheumatol* 22(6):859-870, 2012
 5. Taneda S, Honda K, Uchida K, Nitta K, Yumura W, Oda H, Nagata M. Histological heterogeneity of glomerular segmental lesions in focal segmental glomerulosclerosis. *Int Urol Nephrol* 44(1):183-196, 2012
 6. Ueno T, Takeda K, Nagata M. Remission of proteinuria and preservation of renal function in patients with renal AA amyloidosis secondary to rheumatoid arthritis. *Nephrol Dial Transplant* 27(2):633-639, 2012
 7. Yamaguchi Y, Kanetsuna Y, Honda K, Yamanaka N, Kawano M, Nagata M, Japanese study group on IgG4-related nephropathy. Characteristic tubulointerstitial nephritis in IgG4-related disease. *Hum Pathol* 43(4):536-549, 2012
 8. Yokoyama H, Sugiyama H, Sato H, Taguchi T, Nagata M, Matsuo S, Makino H, Watanabe T, Saito T, Kiyohara Y, Nishi S, Iida H, Morozumi K, Fukatsu A, Sasaki T, Tsuruya K, Kohda Y, Higuchi M, Kiyomoto H, Goto S, Hattori M, Hataya H, Kagami S, Yoshikawa N, Fukasawa Y, Ueda Y, Kitamura H, Shimizu A, Oka K, Nakagawa N, Ito T, Uchida S, Furuichi K, Nakaya I, Umemura S, Hiromura K, Yoshimura M, Hirawa N, Shigematsu T, Fukagawa M, Hiramatsu M, Terada Y, Uemura O, Kawata T, Matsunaga A, Kuroki A, Mori Y, Mitsui K, Yoshida H. Renal disease in the elderly and the very elderly Japanese: analysis of the Japan Renal Biopsy Registry (J-RBR). *Clin Exp Nephrol* 16(6):903-920, 2012

b) 英文以外の論文

1. 上杉憲子. 【腎臓症候群(第 2 版)上-その他の腎臓疾患を含めて-】 先天性・遺伝性腎疾患 遺伝性腎疾患 家族性 LCAT 欠損症. 日本臨床 別冊(腎臓症候群(上)):323-327, 2012
2. 上杉憲子. フィブロネクチン腎症. 日本臨床 別冊(腎臓症候群 (上)):33-37, 2012
3. 小林凡子, 長田道夫. 【ネフローゼ症候群治療の最前線】 ネフローゼ症候群とポドサイトパッチ. 腎と透析 72(6):803-809, 2012
4. 長田道夫, 山本格. 特集 2 研究手法の進歩がもたらした腎臓病学の新たな知見:序. 腎と透析 72:199-201, 2012
5. 山村なつみ, 長田道夫. 【周産期と腎】 腎臓の発達と胎内環境. 周産期医学 42(9):1153-1156, 2012

システム神経科学

a) 英文論文

1. Iwamoto Y, Umetsu D, Ozaki S. Evaluation of driver-vehicle matching using neck muscle activity and vehicle dynamics. *Kansei Engineering International Journal* 11(3):147-154, 2012
2. Mizuhiki T, Inaba K, Setogawa T, Toda K, Ozaki S, Shidara M. The influence of passband limitation on the waveform of extracellular action potential. *Neurosci Res* 72(3):214-220, 2012
3. Mizuhiki T, Richmond BJ, Shidara M. Encoding of reward expectation by monkey anterior insular neurons. *J Neurophysiol* 107(11):2996-3007, 2012
4. Ohyama K, Sugase-Miyamoto Y, Matsumoto N, Shidara M, Sato C. Stimulus-related activity during conditional associations in monkey perirhinal cortex neurons depends on upcoming reward outcome. *J Neurosci* 32(48):17407-17419, 2012
5. Ozaki S, Hisano S, Iwamoto Y. Potency of animal models in KANSEI engineering: a basic approach from neuroscience. *Kansei Engineering International Journal* 11(3):127-132, 2012
6. Toda K, Sugase-Miyamoto Y, Mizuhiki T, Inaba K, Richmond BJ, Shidara M. Differential encoding of factors influencing predicted reward value in monkey rostral anterior cingulate cortex. *PLoS One* 7(1):e30190, 2012

d) 英文以外の著書

1. 尾崎繁. 第4章. 筋収縮; "はじめの一步のイラスト生理学 (改訂第2版)" (編集 照井直人), 羊土社 (東京) 2012; pp39-44
2. 尾崎繁. 第9章. 運動; "はじめの一步のイラスト生理学 (改訂第2版)" (編集 照井直人), 羊土社 (東京) 2012; pp79-88

神経生理学

a) 英文論文

1. Iwamoto Y, Umetsu D, Ozaki S. Evaluation of driver-vehicle matching using neck muscle activity and vehicle dynamics. *Kansei Engineering International Journal* 11(3):147-154, 2012
2. Ozaki S, Hisano S, Iwamoto Y. Potency of animal models in KANSEI engineering: a basic approach from neuroscience. *Kansei Engineering International Journal* 11(3):127-132, 2012

分子細胞生物学

a) 英文論文

1. Yamaguchi Y, Naiki T, Irie K. Stau1 regulates Dvl2 expression during myoblast differentiation. *Biochem Biophys Res Commun* 417(1):427-432, 2012

遺伝子制御学

a) 英文論文

1. Nishimura T, Kaneko S, Kawana-Tachikawa A, Tajima Y, Goto H, Zhu D, Nakayama-Hosoya K, Iriguchi S, Uemura Y, Shimizu T, Takayama N, Yamada D, Nishimura K, Ohtaka M, Watanabe N, Takahashi S, Iwamoto A, Koseki H, Nakanishi M, Eto K, Nakauchi H. Generation of rejuvenated antigen-specific T cells by reprogramming to pluripotency and redifferentiation. *Cell Stem Cell* doi: 10.1016/j.stem.2012.11.002., 2012

診断生化学

a) 英文論文

1. Fujimoto Y, Nakagawa Y, Shingyouchi A, Tokushige N, Nakanishi N, Satoh A, Matsuzaka T, Ishii KA, Iwasaki H, Kobayashi K, Yatoh S, Suzuki H, Yahagi N, Urayama O, Yamada N, Shimano H. Dicer has a crucial role in the early stage of adipocyte differentiation, but not in lipid synthesis, in 3T3-L1 cells. *Biochem Biophys Res Commun* 420(4):931-936, 2012
2. Iwasaki H, Naka A, Iida KT, Nakagawa Y, Matsuzaka T, Ishii KA, Kobayashi K, Takahashi A, Yatoh S, Yahagi N, Sone H, Suzuki H, Yamada N, Shimano H. TFE3 regulates muscle metabolic gene expression, increases glycogen stores, and enhances insulin sensitivity in mice. *Am J Physiol Endocrinol Metab* 302(7):E896-902, 2012
3. Lerner AG, Upton JP, Praveen PV, Ghosh R, Nakagawa Y, Igarria A, Shen S, Nguyen V, Backes BJ, Heiman M, Heintz N, Greengard P, Hui S, Tang Q, Trusina A, Oakes SA, Papa FR. IRE1 α induces thioredoxin-interacting protein to activate the NLRP3 inflammasome and promote programmed cell death under irremediable ER stress. *Cell Metab* 16(2):250-264, 2012
4. Matsuzaka T, Atsumi A, Matsumori R, Nie T, Shinozaki H, Suzuki-Kemuriyama N, Kuba M, Nakagawa Y, Ishii K, Shimada M, Kobayashi K, Yatoh S, Takahashi A, Takekoshi K, Sone H, Yahagi N, Suzuki H, Murata S, Nakamura M, Yamada N, Shimano H. Elovl6 promotes nonalcoholic steatohepatitis in mice and humans. *Hepatology* 56 (6):2199-2208, 2012
5. Naka A, Iida KT, Nakagawa Y, Iwasaki H, Takeuchi Y, Satoh A, Matsuzaka T, Ishii KA, Kobayashi K, Yatoh S, Shimada M, Yahagi N, Suzuki H, Sone H, Yamada N, Shimano H. TFE3 inhibits myoblast differentiation in C2C12 cells via down-regulating gene expression of myogenin. *Biochem Biophys Res Commun* doi: 10.1016/j.bbrc.2012.11.094., 2012
6. Yamamuro T, Hori M, Nakagawa Y, Hayashi T, Sakamoto S, Ohnishi J, Takeuchi S, Mihara Y, Shiga T, Murakami K, Urayama O. Tickling stimulation causes the up-regulation of the kallikrein family in the submandibular gland of the rat. *Behav Brain Res* doi: 10.1016/j.bbr.2012.09.001., 2012

分子腫瘍学

a) 英文論文

1. Oishi H, Itoh S, Matsumoto K, Ishitobi H, Suzuki R, Ema M, Kojima T, Uchida K, Kato M, Miyata T, Takahashi S. Delayed cutaneous wound healing in Fam129b/Minerva-deficient mice. *J Biochem* 152(6):549-555, 2012
2. Shimazui T, Yoshikawa K, Miyazaki J, Kojima T, Inai H, Ando S, Uemura H, Uchida K, Nishiyama H. Systemic transduction of p16INK4A antitumor peptide inhibits the growth of MBT-2 mouse bladder tumor cell line grafts. *Int J Oncol* doi: 10.3892/ijo.2012.1752., 2012 .
3. Takase H, Matsumoto K, Yamadera R, Kubota Y, Otsu A, Suzuki R, Ishitobi H, Mochizuki H, Kojima T, Takano S, Uchida K, Takahashi S, Ema M. Genome-wide identification of endothelial cell-enriched genes in the mouse embryo. *Blood* 120(4):914-923, 2012

生理化学

a) 英文論文

1. Chen Q, Hongu T, Sato T, Zhang Y, Ali W, Cavallo JA, van der Velden A, Tian H, Di Paolo G, Nieswandt B, Kanaho Y, Frohman MA. Key roles for the lipid signaling enzyme phospholipase d1 in the tumor microenvironment during tumor angiogenesis and metastasis. *Sci Signal* 5(249):ra79, 2012
2. Hasegawa H, Noguchi J, Yamashita M, Okada R, Sugimoto R, Furuya M, Unoki T, Funakoshi Y, Baba T, Kanaho Y. Phosphatidylinositol 4-phosphate 5-kinase is indispensable for mouse spermatogenesis. *Biol Reprod* 86(5):136 (1-12), 2012
3. Kanaho Y, Sato T, Hongu T, Funakoshi Y. Molecular mechanisms of fMLP-induced superoxide generation and degranulation in mouse neutrophils. *Adv Biol Regul* doi: 10.1016/j.jbior.2012.09.001., 2012
4. Kanaho Y, Unoki T. Regulation and functions of the lipid kinase PIP5K γ 661 at synapses. *Adv Biol Regul* 52(1):59-65, 2012
5. Makyio H, Ohgi M, Takei T, Takahashi S, Takatsu H, Katoh Y, Hanai A, Ueda T, Kanaho Y, Xie Y, Shin HW, Kamikubo H, Kataoka M, Kawasaki M, Kato R, Wakatsuki S, Nakayama K. Structural basis for Arf6-MKLP1 complex formation on the Flemming body responsible for cytokinesis. *EMBO J* 31(11):2590-2603, 2012
6. Neely GG, Rao S, Costigan M, Mair N, Racz I, Milinkeviciute G, Meixner A, Nayanala S, Griffin RS, Belfer I, Dai F, Smith S, Diatchenko L, Marengo S, Haubner BJ, Novatchkova M, Gibson D, Maixner W, Pospisilik JA, Hirsch E, Whishaw IQ, Zimmer A, Gupta V, Sasaki J, Kanaho Y, Sasaki T, Kress M, Woolf CJ, Penninger JM. Construction of a global pain systems network highlights phospholipid signaling as a regulator of heat nociception. *PLoS Genet* 8(12):e1003071, 2012

7. Unoki T, Matsuda S, Kakegawa W, Van NT, Kohda K, Suzuki A, Funakoshi Y, Hasegawa H, Yuzaki M, Kanaho Y. NMDA receptor-mediated PIP5K activation to produce PI(4,5)P(2) is essential for AMPA receptor endocytosis during LTD. *Neuron* 73(1):135-148, 2012

分子薬理学

a) 英文論文

1. Chtanova T, Hampton HR, Waterhouse LA, Wood K, Tomura M, Miwa Y, Mackay CR, Brink R, Phan TG. Real-time interactive two-photon photoconversion of recirculating lymphocytes for discontinuous cell tracking in live adult mice. *J Biophotonics* doi: 10.1002/jbio.201200175, 2012
2. Kita M, Yoneda K, Hirayama Y, Yamagishi K, Saito Y, Sugiyama Y, Miwa Y, Ohno O, Morita M, Suenaga K, Kigoshi H. Fluorescent alyronine a: intracellular accumulation and disassembly of actin cytoskeleton in tumor cells. *Chembiochem* 13(12):1754-1758, 2012
3. Kudo K, Momotake A, Tanaka JK, Miwa Y, Arai T. Environmental polarity estimation in living cells by use of quinoxaline-based full-colored solvatochromic fluorophore PQX and its derivatives. *Photochem Photobiol Sci* 11(4):674-678, 2012
4. Matsumoto K, Azami T, Otsu A, Takase H, Ishitobi H, Tanaka J, Miwa Y, Takahashi S, Ema M. Study of normal and pathological blood vessel morphogenesis in Flt1-tdsRed BAC Tg mice. *Genesis* 50(7):561-571, 2012
5. Shibata ACE, Fujiwara TK, Chen L, Suzuki KGN, Ishikawa Y, Nemoto YL, Miwa Y, Kalay Z, Chadda R, Naruse K, Kusumi A. Archipelago architecture of the focal adhesion: membrane molecules freely enter and exit from the focal adhesion zone. *Cytoskeleton* 69(6):380-392, 2012
6. Suzuki KG, Kasai RS, Hirose KM, Nemoto YL, Ishibashi M, Miwa Y, Fujiwara TK, Kusumi A. Transient GPI-anchored protein homodimers are units for raft organization and function. *Nat Chem Biol* 8(9):774-783, 2012

分子神経生物学

a) 英文論文

1. Nagamine S, Tamba M, Ishimine H, Araki K, Shiomi K, Okada T, Ohto T, Kunita S, Takahashi S, Wismans RG, van Kuppevelt TH, Masu M, Keino-Masu K. Organ-specific sulfation patterns of heparan sulfate generated by extracellular sulfatases Sulf1 and Sulf2 in mice. *J Biol Chem* 287(12):9579-9590, 2012
2. Nikipoulou I, Oikonomou N, Karouzakis E, Sevastou I, Nikolaidou-Katsaridou N, Zhao Z, Mersinias V, Armaka M, Xu Y, Masu M, Mills GB, Gay S, Kollias G, Aidinis V. Autotaxin expression from synovial fibroblasts is essential for the pathogenesis of modeled arthritis. *J Exp Med* 209(5):925-933, 2012

3. Wang R, Iwakura Y, Araki K, Keino-Masu K, Masu M, Wang XY, Takei N, Higashiyama S, Nawa H. ErbB2 dephosphorylation and anti-proliferative effects of neuregulin-1 in ErbB2-overexpressing cells; re-evaluation of their low-affinity interaction. *Sci Rep* doi: 10.1038/srep01402., 2012

分子ウイルス学

a)英文論文

1. Kato SI, Nagata K, Takeuchi K. Cell tropism and pathogenesis of measles virus in monkeys. *Front Microbiol* 3:14, 2012
2. Kawaguchi A, Matsumoto K, Nagata K. YB-1 functions as a porter to lead influenza virus ribonucleoprotein complexes to microtubules. *J Virol* 86(20):11086-11095, 2012
3. Kawamura M, Kusano A, Furuya A, Hanai N, Tanigaki H, Tomita A, Horiguchi A, Nagata K, Itazawa T, Adachi Y, Okabe Y, Miyawaki T, Kohno H. New sandwich-type enzyme-linked immunosorbent assay for human MxA protein in a whole blood using monoclonal antibodies against GTP-binding domain for recognition of viral infection. *J Clin Lab Anal* 26(3):174-183, 2012
4. Komatsu T, Nagata K. Replication-uncoupled histone deposition during adenovirus DNA replication. *J Virol* 86(12):6701-6711, 2012
5. Okuwaki M, Sumi A, Hisaoka M, Saotome-Nakamura A, Akashi S, Nishimura Y, Nagata K. Function of homo- and hetero-oligomers of human nucleoplasmin/nucleophosmin family proteins NPM1, NPM2 and NPM3 during sperm chromatin remodeling. *Nucleic Acids Res* 40(11):4861-4878, 2012
6. Onomoto K, Jogi M, Yoo JS, Narita R, Morimoto S, Takemura A, Sambhara S, Kawaguchi A, Osari S, Nagata K, Matsumiya T, Namiki H, Yoneyama M, Fujita T. Critical role of an antiviral stress granule containing RIG-I and PKR in viral detection and innate immunity. *PLoS One* 7(8):e43031, 2012
7. Samad MA, Komatsu T, Okuwaki M, Nagata K. B23/nucleophosmin is involved in regulation of adenovirus chromatin structure at late infection stages, but not in virus replication and transcription. *J Gen Virol* 93(6):1328-1338, 2012
8. Takeuchi K, Nagata N, Kato SI, Ami Y, Suzaki Y, Suzuki T, Sato Y, Tsunetsugu-Yokota Y, Mori K, Van Nguyen N, Kimura H, Nagata K. Wild-type measles virus with the hemagglutinin protein of the edmonston vaccine strain retains wild-type tropism in macaques. *J Virol* 86(6):3027-3037, 2012

微生物学

a) 英文論文

1. Morikawa K, Takemura AJ, Inose Y, Tsai M, Nguyen Thi le T, Ohta T, Msadek T. Expression of a cryptic secondary sigma factor gene unveils natural competence for DNA transformation in *Staphylococcus aureus*. *PLoS Pathog* 8(11):e1003003, 2012
2. Ohniwa RL, Kitabayashi K, Morikawa K. Alternative cardiolipin synthase Cls1 compensates for stalled Cls2 function in *Staphylococcus aureus* under conditions of acute acid stress. *FEMS Microbiol Lett* doi: 10.1111/1574-6968.12037., 2012

免疫学

a) 英文論文

1. Nakahashi-Oda C, Tahara-Hanaoka S, Honda S, Shibuya K, Shibuya A. Identification of phosphatidylserine as a ligand for the CD300a immunoreceptor. *Biochem Biophys Res Commun* 417(1):646-650, 2012
2. Nakahashi-Oda C, Tahara-Hanaoka S, Shoji M, Okoshi Y, Nakano-Yokomizo T, Ohkohchi N, Yasui T, Kikutani H, Honda S, Shibuya K, Nagata S, Shibuya A. Apoptotic cells suppress mast cell inflammatory responses via the CD300a immunoreceptor. *J Exp Med* 209(8):1493-1503, 2012
3. Usui K, Honda S, Yoshizawa Y, Nakahashi-Oda C, Tahara-Hanaoka S, Shibuya K, Shibuya A. Isolation and characterization of naive follicular dendritic cells. *Mol Immunol* 50(3):172-176, 2012
4. Yoh K, Morito N, Ojima M, Shibuya K, Yamashita Y, Morishima Y, Ishii Y, Kusakabe M, Nishikii H, Fujita A, Matsunaga E, Okamura M, Hamada M, Suto A, Nakajima H, Shibuya A, Yamagata K, Takahashi S. Overexpression of ROR γ t under control of the CD2 promoter induces polyclonal plasmacytosis and autoantibody production in transgenic mice. *Eur J Immunol* 42(8):1999-2009, 2012

b) 英文以外の論文

1. 金谷穰, 鍋倉宰, 渋谷和子, 渋谷彰. Immune Regulation in Hematological Malignancies 急性GVHD発症における活性化免疫受容体DNAM-1の重要な役割. *臨床血液* 53(5):497-503, 2012
2. 渋谷彰, 金丸和正. 【ウイルス感染と免疫・アレルギー】アレルギーと抑制性免疫グロブリン様受容体. *アレルギーの臨床* 32(12):1111-1116, 2012
3. 田原聡子, 渋谷彰. 【アレルギー治療標的としてのシグナル受容体】アレルギー反応を抑制する新しい受容体, Allergin-1. *臨床免疫・アレルギー科* 58(2):197-203, 2012

遺伝医学

a) 英文論文

1. Hirota T, Takahashi A, Kubo M, Tsunoda T, Tomita K, Sakashita M, Yamada T, Fujieda S, Tanaka S, Doi S, Miyatake A, Enomoto T, Nishiyama C, Nakano N, Maeda K, Okumura K, Ogawa H, Ikeda S, Noguchi E, Sakamoto T, Hizawa N, Ebe K, Saeki H, Sasaki T, Ebihara T, Amagai M, Takeuchi S, Furue M, Nakamura Y, Tamari M. Genome-wide association study identifies eight new susceptibility loci for atopic dermatitis in the Japanese population. *Nat Genet* 44(11):1222-1226, 2012
2. Horiuchi Y, Iida S, Koga M, Ishiguro H, Iijima Y, Inada T, Watanabe Y, Someya T, Ujike H, Iwata N, Ozaki N, Kunugi H, Tochigi M, Itokawa M, Arai M, Niizato K, Iritani S, Kakita A, Takahashi H, Nawa H, Arinami T. Association of SNPs linked to increased expression of SLC1A1 with schizophrenia. *Am J Med Genet B Neuropsychiatr Genet* 159B(1):30-37, 2012
3. Ono M, Hamada Y, Horiuchi Y, Matsuo-Takasaki M, Imoto Y, Satomi K, Arinami T, Hasegawa M, Fujioka T, Nakamura Y, Noguchi E. Generation of induced pluripotent stem cells from human nasal epithelial cells using a Sendai virus vector. *PLoS One* 7(8):e42855, 2012
4. Saito M, Kamoda T, Nishimura K, Miyazono Y, Kanai Y, Kato Y, Iwabuchi A, Fukushima H, Hamada H, Arinami T, Sumazaki R, Noguchi E. Association of adiponectin polymorphism with cord blood adiponectin concentrations and intrauterine growth. *J Hum Genet* 57(2):109-114, 2012
5. Uezato A, Kimura-Sato J, Yamamoto N, Iijima Y, Kunugi H, Nishikawa T. Further evidence for a male-selective genetic association of synapse-associated protein 97 (SAP97) gene with schizophrenia. *Behav Brain Funct* 8:2, 2012
6. Watanabe Y, Egawa J, Iijima Y, Nunokawa A, Kaneko N, Shibuya M, Arinami T, Ujike H, Inada T, Iwata N, Tochigi M, Kunugi H, Itokawa M, Ozaki N, Hashimoto R, Someya T. A two-stage case-control association study between the tryptophan hydroxylase 2 (TPH2) gene and schizophrenia in a Japanese population. *Schizophr Res* 137(1-3):264-266, 2012
7. Yoshida M, Shiroiwa K, Mouri K, Ishiguro H, Supriyanto I, Ratta-Apha W, Eguchi N, Okazaki S, Sasada T, Fukutake M, Hashimoto T, Inada T, Arinami T, Shirakawa O, Hishimoto A. Haplotypes in the expression quantitative trait locus of interleukin-1 β gene are associated with schizophrenia. *Schizophr Res* 140(1-3):185-191, 2012

分子遺伝疫学・社会健康医学

a) 英文論文

1. Cui R, Iso H, Yamagishi K, Saito I, Kokubo Y, Inoue M, Tsugane S; JPHC Study Group. High serum total cholesterol levels is a risk factor of ischemic stroke for general Japanese population: the JPHC study. *Atherosclerosis* 221(2):565-569, 2012

2. Emerging Risk Factors Collaboration (Yamagishi K, collaborator). Adult height and the risk of cause-specific death and vascular morbidity in 1 million people: individual participant meta-analysis. *Int J Epidemiol* 41(5):1419-1433, 2012
3. Eshak ES, Iso H, Kokubo Y, Saito I, Yamagishi K, Inoue M, Tsugane S; JPHC Study Group. Soft drink intake in relation to incident ischemic heart disease, stroke, and stroke subtypes in Japanese men and women: the Japan Public Health Centre-based study cohort I. *Am J Clin Nutr* 96(6):1390-1397, 2012
4. Folsom AR, Nambi V, Pankow JS, Tang W, Farbaksh K, Yamagishi K, Boerwinkle E. Effect of 9p21 genetic variation on coronary heart disease is not modified by other risk markers. The Atherosclerosis Risk in Communities (ARIC) Study. *Atherosclerosis* 224(2):435-439, 2012
5. Fox CS, Matsushita K, Woodward M, Bilo HJ, Chalmers J, Heerspink HJ, Lee BJ, Perkins RM, Rossing P, Sairenchi T, Tonelli M, Vassalotti JA, Yamagishi K, Coresh J, de Jong PE, Wen CP, Nelson RG; Chronic Kidney Disease Prognosis Consortium. Associations of kidney disease measures with mortality and end-stage renal disease in individuals with and without diabetes: a meta-analysis. *Lancet* 380(9854):1662-1673, 2012
6. Furukawa H, Oka S, Shimada K, Rheumatoid Arthritis-Interstitial Lung Disease (RA-ILD) Study Consortium, Tsuchiya N, Tohma S. *HLA-A*31:01* and methotrexate-induced interstitial lung disease in Japanese rheumatoid arthritis patients: a multidrug hypersensitivity marker? *Ann Rheum Dis* doi: 10.1136/annrheumdis-2012-201944., 2012
7. Furukawa H, Oka S, Shimada K, Sugii S, Ohashi J, Matsui T, Ikenaka T, Nakayama H, Hashimoto A, Takaoka H, Arinuma Y, Okazaki Y, Futami H, Komiya A, Fukui N, Nakamura T, Migita K, Suda A, Nagaoka S, Tsuchiya N, Tohma S. Association of human leukocyte antigen with interstitial lung disease in rheumatoid arthritis: a protective role for shared epitope. *PLoS One* 7(5):e33133, 2012
8. Furuya T, Koga M, Hikami K, Kawasaki A, Tsuchiya N. Effects of *APRIL (TNFSF13)* polymorphisms and splicing isoforms on the secretion of soluble APRIL. *Mod Rheumatol* 22(4):541-549, 2012
9. Hasebe N, Kawasaki A, Ito I, Kawamoto M, Hasegawa M, Fujimoto M, Furukawa H, Tohma S, Sumida T, Takehara K, Sato S, Kawaguchi Y, Tsuchiya N. Association of *UBE2L3* polymorphisms with diffuse cutaneous systemic sclerosis in a Japanese population. *Ann Rheum Dis* 71(7):1259-1260, 2012
10. Hijikata M, Shojima J, Matsushita I, Tokunaga K, Ohashi J, Hang NTL, Horie T, Sakurada S, Hoang NP, Thuong PH, Lien LT, Keicho N. Association of *IFNGR2* gene polymorphisms with pulmonary tuberculosis among the Vietnamese. *Hum Genet* 131(5):675-682, 2012
11. Hirayasu K, Ohashi J, Kashiwase K, Hananantachai H, Naka I, Ogawa A, Takanashi M, Satake M, Nakajima K, Parham P, Arase H, Tokunaga K, Patarapotikul J, Yabe T. Significant association of *KIR2DL3-HLA-C1* combination with cerebral malaria and implications for co-evolution of *KIR* and *HLA*. *PLoS Pathog* 8(3):e1002565, 2012

12. Hitomi Y, Adachi T, Tsuchiya N, Honda Z, Tokunaga K, Tsubata T. Human CD72 splicing isoform responsible for resistance to systemic lupus erythematosus regulates serum immunoglobulin level and is localized in endoplasmic reticulum. *BMC Immunol* 13:72, 2012
13. Imano H, Iso H, Kiyama M., Yamagishi K, Ohira T, Sato S, Noda H, Maeda K, Okada T, Tanigawa T, Kitamura A; CIRCS Investigators. Non-fasting blood glucose and risk of incident coronary heart disease in middle-aged general population: the Circulatory Risk in Communities Study (CIRCS). *Prev Med* 55(6):603-607, 2012
14. Iso H, Maruyama K, Ikehara S, Yamagishi K, Tamakoshi A. Cellular growth factors in relation to mortality from cardiovascular disease in middle-aged Japanese: the JACC study. *Atherosclerosis* 224(1):154-160, 2012
15. Iso H, Noda H, Ikeda A, Yamagishi K, Inoue M, Iwasaki M, Tsugane S; JPHC Study Group. The impact of C-reactive protein on risk of stroke, stroke subtypes, and ischemic heart disease in middle-aged Japanese: the Japan public health center-based study. *J Atheroscler Thromb* 19(8):756-766, 2012
16. Japanese Archipelago Human Population Genetics Consortium, Jinam T, Nishida N, Hirai M, Kawamura S, Oota H, Umetsu K, Kimura R, Ohashi J, Tajima A, Yamamoto T, Tanabe H, Mano S, Suto Y, Kaname T, Naritomi K, Yanagi K, Niikawa N, Omoto K, Tokunaga K, Saitou N. The history of human populations in the Japanese Archipelago inferred from genome-wide SNP data with a special reference to the Ainu and the Ryukyuan populations. *J Hum Genet* 57(12):787-795, 2012
17. Kawasaki A, Furukawa H, Kondo Y, Ito S, Hayashi T, Kusaoi M, Matsumoto I, Tohma S, Takasaki Y, Hashimoto H, Sumida T, Tsuchiya N. Association of *PHRF1-IRF7* region polymorphism with clinical manifestations of systemic lupus erythematosus in a Japanese population. *Lupus* 21(8):890-895, 2012
18. Kawashima M, Ohashi J, Nishida N, Tokunaga K. Evolutionary analysis of classical *HLA* class I and II genes suggests that recent positive selection acted on *DPB1*04:01* in Japanese population. *PLoS One* 7(10):e46806, 2012
19. Li Y, Yamagishi K, Yatsuya H, Tamakoshi A, Iso H. Smoking cessation and COPD mortality among Japanese men and women: the JACC study. *Prev Med* 55(6):639-643, 2012
20. Mahmoodi BK, Matsushita K, Woodward M, Blankestijn PJ, Cirillo M, Ohkubo T, Rossing P, Sarnak MJ, Stengel B, Yamagishi K, Yamashita K, Zhang L, Coresh J, de Jong PE, Astor BC; Chronic Kidney Disease Prognosis Consortium. Associations of kidney disease measures with mortality and end-stage renal disease in individuals with and without hypertension: a meta-analysis. *Lancet* 380(9854):1649-1661, 2012
21. Maruyama M, Ohira T, Imano H, Kitamura A, Kiyama M, Okada T, Maeda K, Yamagishi K, Noda H, Ishikawa Y, Shimamoto T, Iso H. Trends in sudden cardiac death and its risk factors in Japan from 1981 to 2005: the Circulatory Risk in Communities Study (CIRCS). *BMJ Open* 2(2):e000573, 2012

22. Nagao M, Iso H, Yamagishi K, Date C, Tamakoshi A; JACC Study Group. Meat consumption in relation to mortality from cardiovascular disease among Japanese men and women. *Eur J Clin Nutr* 66(6):687-693, 2012
23. Nagao M, Moriyama Y, Yamagishi K, Iso H, Tamakoshi A; JACC Study Group. Relation of serum α - and γ -tocopherol levels to cardiovascular disease-related mortality among Japanese men and women. *J Epidemiol* 22(5):402-410, 2012
24. Nagayoshi M, Tanigawa T, Yamagishi K, Sakurai S, Kitamura A, Kiyama M, Okada T, Maeda K, Ohira T, Imano H, Sato S, Iso H; CIRCS Investigators. Self-reported snoring frequency and incidence of cardiovascular disease: the Circulatory Risk in Communities Study (CIRCS). *J Epidemiol* 22(4):295-301, 2012
25. Naka I, Hikami K, Nakayama K, Koga M, Nishida N, Kimura R, Furusawa T, Natsuhara K, Yamauchi T, Nakazawa M, Ataka Y, Ishida T, Inaoka T, Iwamoto S, Matsumura Y, Ohtsuka R, Tsuchiya N, Ohashi J. A functional SNP upstream of the beta-2 adrenergic receptor gene (*ADRB2*) is associated with obesity in Oceanic populations. *Int J Obes (Lond)* doi: 10.1038/ijo.2012.206, 2012
26. Naka I, Ohashi J, Kimura R, Furusawa T, Yamauchi T, Nakazawa M, Natsuhara K, Ataka Y, Nishida N, Ishida T, Inaoka T, Matsumura Y, Ohtsuka R. *DRD4 VNTR* polymorphism in Oceanic populations. *Anthropol Sci* 12:151-155, 2012
27. Ohira T, Maruyama M, Imano H, Kitamura A, Kiyama M, Okada T, Maeda K, Yamagishi K, Noda H, Cui R, Masuda S, Kimura H, Tachikawa K, Ishikawa Y, Iso H. Risk factors for sudden cardiac death among Japanese: the Circulatory Risk in Communities Study. *J Hypertens* 30(6):1137-1143, 2012
28. Oka S, Furukawa H, Kashiwase K, Tsuchiya N, Tohma S. Identification of a novel HLA allele, *HLA-DQB1*06:51*, in a Japanese rheumatoid arthritis patient. *Tissue Antigens* 80(4):386-387, 2012
29. Onuma H, Tohyama M, Imagawa A, Hanafusa T, Kobayashi T, Kano Y, Ohashi J, Hashimoto K, Osawa H, Makino H, Japan Diabetes Society Committee on Type 1 Diabetes Mellitus Research, Japanese Dermatological Association. High frequency of *HLA B62* in fulminant type 1 diabetes with the drug-induced hypersensitivity syndrome. *J Clin Endocrinol Metab* 97(12):E2277-2281, 2012
30. Tsuchiya N. Genetics of ANCA-associated vasculitis in Japan: a role for *HLA-DRB1*09:01* haplotype. *Clin Exp Nephrol* doi 10.1007/s10157-012-0691-6, 2012
31. Tsujimoto T, Sairenchi T, Iso H, Irie F, Yamagishi K, Tanaka K, Muto T, Ota H. Impact of obesity on incident hypertension independent of weight gain among nonhypertensive Japanese: the Ibaraki Prefectural Health Study (IPHS). *J Hypertens* 30(6):1122-1128, 2012
32. Yamagishi K, Sato S, Kitamura A, Kiyama M, Okada T, Tanigawa T, Ohira T, Imano H, Kondo M, Okubo I, Ishikawa Y, Shimamoto T, Iso H; CIRCS Investigators. Cost-effectiveness and budget impact analyses of a long-term hypertension detection and control program for stroke prevention. *J Hypertens* 30(9):1874-1879, 2012

b) 英文以外の論文

1. 大橋順. Extended Haplotype Homozygosity (EHH)を用いる正の自然選択検出法の検出力比較. 統計数理 60:317-325, 2012
2. 山岸良匡, 大久保一郎, 佐藤眞一, 北村明彦, 木山昌彦, 岡田武夫, 谷川武, 大平哲也, 今野弘規, 近藤正英, 石川善紀, 嶋本喬, 磯博康. 長期的な脳卒中予防対策に関する費用効果分析:自治体の視点から見た分析. 日循予防誌 47:223-229, 2012

c) 英文著書

1. Imano H, Kitamura A, Kiyama M, Ohira T, Cui R, Muraki I, Shimizu Y, Umesawa M, Maeda K, Ido M, Okada T, Nakamura M, Noda H, Yamagishi K, Sato S, Tanigawa T, Ishikawa Y, Iso H. Usefulness of skinfold thickness measurements for determining body fat distribution and disease risk for Japanese men and women. in "Handbook of Anthropometry: Physical measures of human form in health and disease" (edited by Preedy VR), Springer (New York), 2012; pp2667-2678

再生幹細胞生物学

a) 英文論文

1. Nakamura K, Tsurushima H, Marushima A, Nagano M, Yamashita T, Suzuki K, Ohneda O, Matsumura A. A subpopulation of endothelial progenitor cells with low aldehyde dehydrogenase activity attenuates acute ischemic brain injury in rats. *Biochem Biophys Res Commun* 418(1):87-92, 2012
2. Ono M, Hamada Y, Horiuchi Y, Matsuo-Takasaki M, Imoto Y, Satomi K, Arinami T, Hasegawa M, Fujioka T, Nakamura Y, Noguchi E. Generation of induced pluripotent stem cells from human nasal epithelial cells using a Sendai virus vector. *PLoS One* 7(8):e42855, 2012

医工学

a) 英文論文

1. Yanagi K, Fukuda E, Jotatsu Y, Shikano M, Miyake S. Regulatory frameworks for cell therapy products in Japan. *J Artif Organs* 15(4):325-330, 2012
2. Yoshimoto K, Kojima R, Takahashi E, Ichino M, Miyoshi H, Nagasaki Y. 3D cell co-culture system on hydrogel micro-patterned surface fabricated by photolithography. *J Photopolym Sci Technol* 25(1):47-52, 2012

b) 英文以外の論文

1. 柳健一. 新たに承認された血糖降下薬における承認審査期間と製造販売後調査計画の動向. レギュラトリーサイエンス学会誌 2:93-99, 2012

実験動物学

a) 英文論文

1. Harada N, Ito K, Hosoya T, Mimura J, Maruyama A, Noguchi N, Yagami K, Morito N, Takahashi S, Maher JM, Yamamoto M, Itoh K. Nrf2 in bone marrow-derived cells positively contributes to the advanced stage of atherosclerotic plaque formation. *Free Radic Biol Med* 53(12):2256-2262, 2012
2. Ishimaru T, Ishida J, Nakamura S, Hashimoto M, Matsukura T, Nakamura A, Kunita S, Sugiyama F, Yagami K, Fukamizu A. Short-term suppression of the renin-angiotensin system in mice associated with hypertension during pregnancy. *Mol Med Rep* 6(1):28-32, 2012
3. Murata K, Saito C, Ishida J, Hamada J, Sugiyama F, Yagami K, Fukamizu A. Effect of lactation on postpartum cardiac function of pregnancy-associated hypertensive mice. *Endocrinology* doi: 10.1210/en.2012-1789., 2012

医学物理学

a) 英文論文

1. Hashii H, Hashimoto T, Okawa A, Shida K, Isobe T, Hanmura M, Nishimura T, Aonuma K, Sakae T, Sakurai H. Comparison of the effects of high-energy photon beam irradiation (10 and 18 MV) on 2 types of implantable cardioverter-defibrillators. *Int J Radiat Oncol Biol Phys* doi: 10.1016/j.ijrobp.2012.05.043., 2012
2. Hashimoto T, Isobe T, Hashii H, Kumada H, Tada H, Okumura T, Tsuboi K, Sakae T, Aonuma K, Sakurai H. Influence of secondary neutrons induced by proton radiotherapy for cancer patients with implantable cardioverter defibrillators. *Radiat Oncol* 29:7-10, 2012
3. Kase Y, Yamashita W, Matsufuji N, Takada K, Sakae T, Furusawa Y, Yamashita H, Murayama S. Microdosimetric calculation of relative biological effectiveness for design of therapeutic proton beams. *J Radiat Res* doi: 10.1093/jrr/rrs110., 2012
4. Lim M, Yue Q, Isobe T, Matsumura A, Li J, Yang Z, Quan H, Xing H, Gong Q. Proton MR Spectroscopy of Central Neurocytoma Using Short and Long Echo Time: New Proofs for the Existence of Glycine and Glutamate. *Acad Radiol* 19:779-784, 2012
5. Okamoto Y, Okamoto T, Yuka K, Hirano Y, Isobe T, Minami M. Correlation between pennation angle and image quality of skeletal muscle fibre tractography using deterministic diffusion tensor imaging. *J Med Imaging Radiat Oncol* 56(6):622-627, 2012
6. Sakamoto N, Ishikawa E, Nakai Y, Akutsu H, Yamamoto T, Nakai K, Shiigai M, Tsurushima H,

Isobe T, Takano S, Tsuboi K, Matsumura A. Preoperative endovascular embolization for hemangioblastoma in the posterior fossa. *Neurol Med Chir (Tokyo)* 52(12):878-884, 2012

7. Saotome K, Ishimori Y, Isobe T, Satou E, Shinoda K, Ookubo J, Hirano Y, Oosuka S, Matsushita A, Miyamoto K, Sankai Y. Comparison of diffusion tensor imaging-derived fractional anisotropy in multiple centers for identical human subjects. *Japanese Journal of Radiation Technology* 68(9):1242-1249, 2012

b) 英文以外の論文

1. 磯辺智範, 森祐太郎, 榮武二, 松原孝祐, 五十嵐隆元. 放射線防護に関する説明のために必要な知識. 日本放射線技術学会雑誌 68(10):1419-1427, 2012
2. 志田晃一, 磯辺智範, 高田健太, 小林大輔, 只野喜一, 高橋英希, 関正志, 横田浩, 櫻井英幸, 榮武二. 医用線形加速装置撤去のための放射化の評価. 医学物理 31(2):33-39, 2012

c) 英文著書

1. Kiger WS 3rd, Kumada H. Part IV Physics 16. Treatment planning; in "Neutron Capture Therapy Principles and Applications (First edition)" (edited by Sauerwein WAG, Moss R, Wittig A, Nagakawa Y), Springer (Germany) 2012; pp287-328

d) 英文以外の著書

1. 磯辺智範. Part1 MR 第1章. MRの成り立ち, 第3章. MR現像から画像化まで, 第10章. アーチファクト, 第12章. そのほか知っておきたい知識-MRS, Part2 超音波 第1章. 超音波の基礎, Part3 眼底写真撮影 第1章. 眼底写真撮影の基礎; "MR・超音波・眼底 基礎知識図解ノート (第1版)" (編集 磯辺智範), 金原出版 (東京) 2012; pp2-9, 32-47, 152-175, 207-211, 252-257, 362-364
2. 磯辺智範. 第1章. 放射線と放射能の基礎知識; "放射線医療技術(31) 図解放射線防護ミニマム基礎知識 (第1版)" (編集 日本放射線技術学会), 望月印刷 (埼玉) 2012; pp1-22
3. 磯辺智範. 1. 基礎医学大要; "3rd edition 診療放射線技師 ブルーノート 基礎編 (第3版)" (編集 富士政広), メジカルビュー社 (東京) 2012; pp1-254
4. 磯辺智範, 榮武二, 櫻井英幸. 第4章. 陽子線, 第5章. 陽子線; "放射線外科治療の進歩 (第1版)" (編集 井上洋), メディカ出版 (大阪) 2012; pp44-50, 81-87
5. 高田健太. 第1章. 超音波の基礎; "MR・超音波・眼底 基礎知識図解ノート(第1版) (第1版)" (編集 磯辺智範), 金原出版 (東京) 2012; pp252-257, 362-364
6. 高田健太, 佐藤英介. 1. 基礎医学大要; "診療放射線技師 グリーンノート 基礎編 (第2版)" (編集 富士政広), メジカルビュー社 (東京) 2012; pp2-68

放射線生物学

a) 英文論文

1. Fukumitsu N, Ishida M, Terunuma T, Mizumoto M, Hashimoto T, Moritake T, Okumura T, Sakae T, Tsuboi K, Sakurai H. Reproducibility of image quality for moving objects using respiratory-gated computed tomography: a study using a phantom model. *J Radiat Res* 53(6):945-953, 2012
2. Fukumitsu N, Oshiro Y, Hashimoto T, Okumura T, Mizumoto M, Moritake T, Tsuboi K, Sakae T, Sakurai H. Verification of beam delivery using fibrosis after proton beam irradiation to the lung tumor. *Lung Cancer* 77(1):83-88, 2012
3. Hashimoto T, Isobe T, Hashii H, Kumada H, Tada H, Okumura T, Tsuboi K, Sakae T, Aonuma K, Sakurai H. Influence of secondary neutrons induced by proton radiotherapy for cancer patients with implantable cardioverter defibrillators. *Radiat Oncol* 7:10, 2012
4. Kanemoto A, Ishikawa H, Mizumoto M, Okumura T, Hashimoto T, Oshiro Y, Fukumitsu N, Tsuboi K, Sakae T, Sakurai H. Proton beam therapy for liver metastasis from breast cancer: Five case reports and a review of the literatures. *International Cancer Conference Journal* 1:210-214, 2012
5. Mizumoto M, Okumura T, Hashimoto T, Fukuda K, Oshiro Y, Fukumitsu N, Abei M, Kawaguchi A, Hayashi Y, Ohkawa A, Hashii H, Kanemoto A, Moritake T, Tohno E, Tsuboi K, Sakae T, Sakurai H. Evaluation of liver function after proton beam therapy for hepatocellular carcinoma. *Int J Radiat Oncol Biol Phys* 82(3):e529-535, 2012
6. Moritake T, Fujita H, Yanagisawa M, Nakawatari M, Imadome K, Nakamura E, Iwakawa M, Imai T. Strain-dependent damage in mouse lung after carbon ion irradiation. *Int J Radiat Oncol Biol Phys* 84(1):e95-e102, 2012
7. Oshiro Y, Mizumoto M, Okumura T, Hashimoto T, Fukumitsu N, Ohkawa A, Kanemoto A, Hashii H, Ohno T, Sakae T, Tsuboi K, Sakurai H. Results of proton beam therapy without concurrent chemotherapy for patients with unresectable stage III non-small cell lung cancer. *J Thorac Oncol* 7(2):370-375, 2012
8. Takano S, Kato Y, Yamamoto T, Kaneko MK, Ishikawa E, Tsujimoto Y, Matsuda M, Nakai K, Yanagiya R, Morita S, Tsuboi K, Matsumura A. Immunohistochemical detection of IDH1 mutation, p53, and internexin as prognostic factors of glial tumors. *J Neurooncol* 108(3):361-373, 2012
9. Tsuboi K. DNA-PK targeting virotherapy, a promising approach. *Transl Cancer Res* 1(1):2-3, 2012

c) 英文著書

1. Ishikawa E, Takano S, Ohno T, Tsuboi K. Chapter 9. Adoptive cell transfer therapy for malignant glioma; in "Advances in Experimental Medicine and Biology, Glioma" (edited by Yamanaka R), Landes Bioscience (Austin) and Springer Science + Business Media, LLC (New York) 2012; pp109-120

生物物理化学

a)英文論文

1. Hall D. Semi-automated methods for simulation and measurement of amyloid fiber distributions obtained from transmission electron microscopy experiments. *Anal Biochem* 421(1):262-277, 2012
2. Hall D, Edskes H. Computational modeling of the relationship between amyloid and disease. *Biophys Rev* 4(3):205-222, 2012
3. Hall D, Huang L. On the use of size exclusion chromatography for the resolution of mixed amyloid aggregate distributions: I. equilibrium partition models. *Anal Biochem* 426(1):69-85, 2012

生命反応化学

a)英文論文

1. Aiba Y, Honda Y, Han Y, Komiyama M. Introduction of multiphosphonate ligand to peptide nucleic acid for metal ion conjugation. *Artif DNA PNA XNA* 3(2):73-79, 2012
2. Aiba Y, Komiyama M. Artificial site-selective DNA cutters to manipulate single-stranded DNA. *Polym. J.* 52:413-435, 2012
3. Gao Z, Zhi C, Bando Y, Golberg D, Komiyama M, Serizawa T. Efficient disentanglement of boron nitride nanotubes using water-soluble polysaccharides for proteins immobilization. *RSC Adv.* 2:6200-6208, 2012
4. Ishizuka T, Komiyama M, Xu Y. G-rich sequence-specific recognition and scission of human genome by PNA/DNA hybrid G-quadruplex formation. *Angew Chem Int Ed Engl* 51(29):7198-7202, 2012
5. Ishizuka T, Xu Y, Komiyama M. A chemistry-based method to detect individual telomere length at a single chromosome terminus. *J Am Chem Soc* doi: 10.1021/ja308481c., 2012
6. Katada H, Harumoto T, Shigi N, Komiyama M. Chemical and biological approaches to improve the efficiency of homologous recombination in human cells mediated by artificial restriction DNA cutter. *Nucleic Acids Res* 40(11):e81, 2012
7. Komiyama M, Sumaoka J. Design and applications of artificial restriction DNA cutters for site-selective scission of genomes. *Bull. Chem. Soc. Jpn.* 85:533-544, 2012
8. Kuzuya A, Tanaka K, Katada H, Komiyama M. Enzyme treatment-free and ligation-independent cloning using caged primers in polymerase chain reactions. *Molecules* 17(1):328-340, 2012
9. Murakami T, Sumaoka J, Komiyama M. Sensitive RNA detection by combining 3-way junction formation and primer generation-rolling circle amplification. *Nucleic Acids Res* 40(3):e22, 2012
10. Noguchi E, Shigi N, Komiyama M. Intracellular localization of PNA in human cells upon its introduction by electroporation. *Nat Prod Commun* 7(3):349-352, 2012

11. Yamazaki T, Aiba Y, Yasuda K, Sakai Y, Yamanaka Y, Kuzuya A, Ohya Y, Komiyama M. Clear-cut observation of PNA invasion using nanomechanical DNA origami devices. *Chem Commun (Camb)* 48(92):11361-11363, 2012

環境生物学

a) 英文論文

1. Hirose R, Miura T, Sha R, Shinkai Y, Tanaka-Kagawa T, Kumagai Y. A method for detecting covalent modification of sensor proteins associated with 1,4-naphthoquinone-induced activation of electrophilic signal transduction pathways. *J Toxicol Sci* 37(5):891-898, 2012
2. Kanda H, Toyama T, Shinohara-Kanda A, Iwamatsu A, Shinkai Y, Kaji T, Kikushima M, Kumagai Y. S-Mercuration of rat sorbitol dehydrogenase by methylmercury causes its aggregation and the release of the zinc ion from the active site. *Arch Toxicol* 86(11):1693-1702, 2012
3. Kumagai Y, Shinkai Y, Miura T, Cho AK. The chemical biology of naphthoquinones and its environmental implications. *Annu Rev Pharmacol Toxicol* 52:221-247, 2012
4. Nishida M, Sawa T, Kitajima N, Ono K, Inoue H, Ihara H, Motohashi H, Yamamoto M, Suematsu M, Kurose H, van der Vliet A, Freeman BA, Shibata T, Uchida K, Kumagai Y, Akaike T. Hydrogen sulfide anion regulates redox signaling via electrophile sulfhydration. *Nat Chem Biol* 8(8):714-724, 2012
5. Shinkai Y, Iwamoto N, Miura T, Ishii T, Cho AK, Kumagai Y. Redox cycling of 1,2-naphthoquinone by thioredoxin1 through Cys32 and Cys35 causes inhibition of its catalytic activity and activation of ASK1/p38 signaling. *Chem Res Toxicol* 25(6):1222-1230, 2012
6. Shinkai Y, Kaji T. Cellular defense mechanisms against lead toxicity in the vascular system. *Biol Pharm Bull* 35(11):1885-1891, 2012
7. Yamada H, Akahoshi N, Kamata S, Hagiya Y, Hishiki T, Nagahata Y, Matsuura T, Takano N, Mori M, Ishizaki Y, Izumi T, Kumagai Y, Kasahara T, Suematsu M, Ishii I. Methionine excess in diet induces acute lethal hepatitis in mice lacking cystathionine γ -lyase, an animal model of cystathioninuria. *Free Radic Biol Med* 52(9):1716-1726, 2012

d) 英文以外の著書

1. 熊谷嘉人. 環境中親電子リガンドの細胞内侵入とそれに伴うシグナル伝達の模倣および攪乱; 実験医学「活性酸素・ガス状分子による恒常性制御と疾患」 30, 羊土社(東京)2012; pp70-75
2. 熊谷嘉人. GAPDHの功罪; 細胞工学「活性酸素シグナル制御とレドックスホメオスタシス」 131, 学研メディカル秀潤社(東京) 2012; pp196-197

環境分子生物学

a) 英文論文

1. Ishii T, Warabi E, Yanagawa T. Novel roles of peroxiredoxins in inflammation, cancer and innate immunity. *J Clin Biochem Nutr* 50(2):91-105, 2012
2. Okada K, Warabi E, Sugimoto H, Horie M, Gotoh N, Tokushige K, Hashimoto E, Utsunomiya H, Takahashi H, Ishii T, Yamamoto M, Shoda J. Deletion of Nrf2 leads to rapid progression of steatohepatitis in mice fed atherogenic plus high-fat diet. *J Gastroenterol* doi: 10.1007/s00535-012-0659-z., 2012
3. Okada K, Warabi E, Sugimoto H, Horie M, Tokushige K, Ueda T, Harada N, Taguchi K, Hashimoto E, Itoh K, Ishii T, Utsunomiya H, Yamamoto M, Shoda J. Nrf2 inhibits hepatic iron accumulation and counteracts oxidative stress-induced liver injury in nutritional steatohepatitis. *J Gastroenterol* 47(8):924-935, 2012
4. Yanagisawa R, Warabi E, Inoue KI, Yanagawa T, Koike E, Ichinose T, Takano H, Ishii T. Peroxiredoxin I null mice exhibits reduced acute lung inflammation following ozone exposure. *J Biochem* 152(6):595-601, 2012

環境微生物学

a) 英文論文

1. Kato SI, Nagata K, Takeuchi K. Cell tropism and pathogenesis of measles virus in monkeys. *Front Microbiol* 3:14, 2012
2. Takeuchi K, Nagata N, Kato SI, Ami Y, Suzaki Y, Suzuki T, Sato Y, Tsunetsugu-Yokota Y, Mori K, Van Nguyen N, Kimura H, Nagata K. Wild-type measles virus with the hemagglutinin protein of the edmonston vaccine strain retains wild-type tropism in macaques. *J Virol* 86(6):3027-3037, 2012

分子発生生物学

a) 英文論文

1. Mukaigasa K, Nguyen LTP, Li L, Nakajima H, Yamamoto M, Kobayashi M. Genetic evidence of an evolutionarily conserved role for Nrf2 in the protection against oxidative stress. *Mol Cell Biol* 32(21):4455-4461, 2012

b) 英文以外の論文

1. 田中佐代子, 小林麻己人, 三輪佳宏. 科学者によるサイエンスイラストレーション作成の実態. 芸術研究報 32:59-70, 2012

環境保健学（産業精神医学・宇宙医学）

a) 英文論文

1. Sasahara S, Tomotsune Y, Ohi Y, Suzuki S, Seki A, Sakano J, Yamazaki Y, Matsuzaki I. Life experiences are important factors of making stronger SOC (Sense of Coherence) on the workers in Tsukuba Research Park City (TRPC). *World Acad Sci Eng Technol* 68:103-107, 2012

b) 英文以外の論文

1. 小林直紀, 笹原信一郎, 友常祐介, 道喜将太郎, 商真哲, 大井雄一, 羽岡健史, 梅田忠敬, 吉野聡, 松崎一葉. メンタルヘルス不全に伴う病気休業と休復職に関する規則・制度との関連に関する研究. 産業衛生学雑誌 54(6):286-293, 2012
2. 笹原信一郎, 友常祐介, 小林直紀, 道喜将太郎, 商真哲, 大井雄一, 羽岡健史, 梅田忠敬, 吉野聡, 松崎一葉. うつ病の増加に伴う病気休暇ならびに病気休職期間と金銭補償期間との関連に関する予備的研究 ～労使双方により良い休職制度を目指して～. 体力栄養免疫学雑誌 22:74-81, 2012
3. 羽岡健史, 鈴木瞬, 小林直紀, 宇佐見和哉, 友常祐介, 吉野聡. リワークプログラム利用中のストレス関連要因の変化. 臨床精神医学 41(12):1749-1755, 2012

長寿医学寄附講座

a) 英文論文

1. Sasahara S, Tomotsune Y, Ohi Y, Suzuki S, Seki A, Sakano J, Yamazaki Y, Matsuzaki I. Life experiences are important factors of making stronger SOC(Sense of Coherence) on the workers in Tsukuba Research Park City(TRPC). *World Acad Sci Eng Technol* 68:103-107, 2012

b) 英文以外の論文

1. 笹原信一郎, 友常祐介, 小林直紀, 道喜将太郎, 商真哲, 大井雄一, 羽岡健史, 梅田忠敬, 吉野聡, 松崎一葉. うつ病の増加に伴う病気休暇ならびに 病気休職期間と金銭補償期間との関連に関する予備的研究～労使双方により良い休職制度を目指して～. 体力・栄養・免疫学雑誌 22:74-81, 2012

d) 英文以外の著書

1. 笹原信一郎. 心の折れない部下の育て方. メディアファクトリー新書 2012年 (全189ページ)
2. 望月昭英. 意識障害; "病気と薬パーフェクトBOOK2012「薬局」2012増刊号" (編集 横田千津子, 池田宇一, 監修・編集 大越教夫), 南山堂 (東京) 2012; pp193-194
3. 望月昭英. 知覚障害; "病気と薬パーフェクトBOOK2012「薬局」2012増刊号" (編集 横田千津子, 池田宇一, 監修・編集 大越教夫), 南山堂 (東京) 2012; pp202-203

循環生理学

a) 英文論文

1. Nakamagoe K, Mamada N, Shiigai M, Shimizu K, Koganezawa T, Tamaoka A. Recurrent isolated abducens nerve paresis associated with persistent trigeminal artery variant. *Intern Med* 51(16):2213-2216, 2012
2. Nakamagoe K, Shimizu K, Koganezawa T, Tamaoka A. Downbeat nystagmus due to a paramedian medullary lesion. *J Clin Neurosci* 19(11):1597-1599, 2012
3. Sabino-Silva R, Ceroni A, Koganezawa T, Michelini LC, Machado UF, Antunes VR. Baroreceptor-mediated activation of sympathetic nerve activity to salivary glands. *Physiol Behav* 107(3):390-396, 2012

医学英語教育

a) 英文論文

1. Purdue Brian K. Instant Academic Writing Organization and Format in a Digital Language Lab: First, Copy and Paste. *Studies in Foreign Language Education (外国語教育論集)*. 34:79-94, 2012