

< 生命医科学域 >

目 次

<生命医科学域>

神経内分泌学	3
解剖学・発生学	3
神経生物学	4
診断病理学	5
実験病理学	8
腎・血管病理学	8
システム神経科学	10
認知行動神経科学	10
分子細胞生物学	11
遺伝子制御学	11
分子腫瘍学	12
生理化学	12
分子薬理学	13
分子神経生物学	14
分子ウイルス学	15
微生物学	16
免疫学	16
遺伝医学	17
分子遺伝疫学・社会健康医学	19
再生幹細胞生物学	22
医工学	23
実験動物学	23
医学物理学	24
放射線生物学	26
生命反応化学	28
環境生物学	29
環境微生物学	30
環境保健学（産業精神医学・宇宙医学）	31
長寿医学寄附講座	32

神経内分泌学

1) 英文論文

1. Yamamoto N, Akamatsu N, Sakuraba H, Matsuno K, Hosoya R, Nogami H, Kasahara K, Mitsuyama S, Arai M. Novel Bernard-Soulier syndrome variants caused by compound heterozygous mutations (case I) or a cytoplasmic tail truncation (case II) of GPIb α . *Thromb Res* 131(4):e160-167, 2013
2. Wang W, Nakadate K, Masugi-Tokita M, Shutoh E, Aziz W, Tarusawa E, Lorincz A, Molnar E, Kesaf S, Li YQ, Fukazawa Y, Nagao S, Shigemoto R. Distinct cerebellar engrams in short-term and long-term motor learning. *Proc Natl Acad Sci U S A* doi: 10.1073/pnas.1315541111, 2013

3) 英文著書

1. Yoshida S, Nogami H, Hisano S. Chapter12. Diurnal expression of vesicular glutamate transporters in the rat pineal gland and its relationship to melatonin secretion. ; in "New Developments in Melatonin Research (1st edition)" (edited by Acuna-Castroviejo D), Nova Science Publishers (New York) 2013; pp233-243

4) 英文以外の著書

1. 久野節二. 第1章. 感性認知脳科学とは; "感性認知脳科学への招待 (第1版)" (編集 筑波大学感性認知脳科学研究プロジェクト), 筑波大学出版会 (つくば) 2013; pp179-183
2. 久野節二. 第5章. はかる. 脳科学 (生理計測) ; "感性工学ハンドブック (第1版)" (編集 椎塚久雄), 朝倉書店 (東京) 2013; pp317-129

解剖学・発生学

1) 英文論文

1. Ano S, Morishima Y, Ishii Y, Yoh K, Yageta Y, Ohtsuka S, Matsuyama M, Kawaguchi M, Takahashi S, Hizawa N. Transcription factors GATA-3 and ROR γ t are important for determining the phenotype of allergic airway inflammation in a murine model of asthma. *J Immunol* 190(3):1056-1065, 2013
2. Fujishiro SH, Nakano K, Mizukami Y, Azami T, Arai Y, Matsunari H, Ishino R, Nishimura T, Watanabe M, Abe T, Furukawa Y, Umeyama K, Yamanaka S, Ema M, Nagashima H,

- Hanazono Y. Generation of naive-like porcine-induced pluripotent stem cells capable of contributing to embryonic and fetal development. *Stem Cells Dev* 22(3):473-482, 2013
3. Hamanaka S, Ooehara J, Morita Y, Ema H, Takahashi S, Miyawaki A, Otsu M, Yamaguchi T, Onodera M, Nakauchi H. Generation of transgenic mouse line expressing Kusabira Orange throughout body, including erythrocytes, by random segregation of provirus method. *Biochem Biophys Res Commun* 435(4):586-591, 2013
 4. Hasegawa Y, Daitoku Y, Sekiguchi K, Tanimoto Y, Mizuno-Iijima S, Mizuno S, Kajiwara N, Ema M, Miwa Y, Mekada K, Yoshiki A, Takahashi S, Sugiyama F, Yagami K. Novel ROSA26 Cre-reporter knock-in C57BL/6N mice exhibiting green emission before and red emission after Cre-mediated recombination. *Exp Anim* 62(4):295-304, 2013
 5. Katsumata T, Oishi H, Sekiguchi Y, Nagasaki H, Daassi D, Tai PH, Ema M, Kudo T, Takahashi S. Bioluminescence imaging of β cells and intrahepatic insulin gene activity under normal and pathological conditions. *PLoS One* 8(4):e60411, 2013
 6. Kudo T, Sato T, Hagiwara K, Kozuma Y, Yamaguchi T, Ikehara Y, Hamada M, Matsumoto K, Ema M, Murata S, Ohkohchi N, Narimatsu H, Takahashi S. C1galt1-deficient mice exhibit thrombocytopenia due to abnormal terminal differentiation of megakaryocytes. *Blood* 122(9):1649-1657, 2013
 7. Nishimoto M, Katano M, Yamagishi T, Hishida T, Kamon M, Suzuki A, Hirasaki M, Nabeshima Y, Nabeshima Y, Katsura Y, Satta Y, Deakin JE, Graves JA, Kuroki Y, Ono R, Ishino F, Ema M, Takahashi S, Kato H, Okuda A. In vivo function and evolution of the eutherian-specific pluripotency marker UTF1. *PLoS One* 8(7):e68119, 2013
 8. Oishi H, Tsubaki T, Miyazaki T, Ono M, Nose M, Takahashi S. A bacterial artificial chromosome transgene with polymorphic Cd72 inhibits the development of glomerulonephritis and vasculitis in MRL-Faslpr lupus mice. *J Immunol* 190(5):2129-2137, 2013
 9. Shimbo M, Ando S, Sugiura N, Kimata K, Ichijo H. Moderate repulsive effects of E-unit-containing chondroitin sulfate (CSE) on behavior of retinal growth cones. *Brain Res* 1491:34-43, 2013

神経生物学

1) 英文論文

1. 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* 73(7):502-517, 2013
2. Kobayashi N, Homma S, Okada T, Masuda T, Sato N, Nishiyama K, Sakuma C, Shimada T, Yaginuma H. Elucidation of target muscle and detailed development of dorsal motor neurons in chick embryo spinal cord. *J Comp Neurol* 521(13):2987-3002, 2013
 3. 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* 73(5):370-383, 2013
 4. Masuda T, Taniguchi M, Sakuma C, Yamagishi T, Ueda S, Kawaguchi M, Yaginuma H. Development of the dorsal ramus of the spinal nerve in the mouse embryo: involvement of semaphorin 3A in dorsal muscle innervation. *Congenit Anom (Kyoto)* 53(3):122-126, 2013
 5. 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* 236(1):236-243, 2013
 6. Yoshikawa M, Murakami Y, Senzaki K, Masuda T, Ozaki S, Ito Y, Shiga T. Coexpression of Runx1 and Runx3 in mechanoreceptive dorsal root ganglion neurons. *Dev Neurobiol* 73(6):469-479, 2013

2) 英文以外の著書

1. 志賀隆. 第5章 第1節. 個体発生の神経科学：脳はどのように作られるのか；"感性認知脳科学への招待（第1版）"（編集 筑波大学感性認知脳科学研究プロジェクト），筑波大学出版会（つくば）2013；pp116-129

診断病理学

1) 英文論文

1. Iwakawa R, Takenaka M, Kohno T, Shimada Y, Totoki Y, Shibata T, Tsuta K, Nishikawa R, Noguchi M, Sato-Otsubo A, Ogawa S, Yokota J. Genome-wide identification of genes with amplification and/or fusion in small cell lung cancer. *Genes Chromosomes Cancer* 52(9):802-816, 2013
2. 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* 17(2):248-254, 2013
3. Kojima M, Nishikii H, Takizawa J, Aoki S, Noguchi M, Chiba S, Ando K, Nakamura N. MYC rearrangements are useful for predicting outcomes following rituximab and chemotherapy: multicenter analysis of Japanese patients with diffuse large B-cell lymphoma. *Leuk Lymphoma* 54(10):2149-2154, 2013
 4. Nakazato Y, Maeshima AM, Ishikawa Y, Yatabe Y, Fukuoka J, Yokose T, Tomita Y, Minami Y, Asamura H, Tachibana K, Goya T, Noguchi M. Interobserver agreement in the nuclear grading of primary pulmonary adenocarcinoma. *J Thorac Oncol* 8(6):736-743, 2013
 5. Niho S, Kenmotsu H, Sekine I, Ishii G, Ishikawa Y, Noguchi M, Oshita F, Watanabe S, Nakajima R, Tada H, Nagai K. Combination chemotherapy with irinotecan and cisplatin for large-cell neuroendocrine carcinoma of the lung: a multicenter phase II study. *J Thorac Oncol* 8(7):980-984, 2013
 6. Nitta S, Kawai K, Onozawa M, Ando S, Miyazaki J, Nagata C, Noguchi M, Yamasaki K, Uchida K, Iwamoto T, Nishiyama H. Intratubular trophoblasts in the contralateral testis caused elevation of serum human chorionic gonadotropin following complete remission of stage II testicular tumor: a case report. *Jpn J Clin Oncol* 43(1):83-86, 2013
 7. Sakurai H, Morishima Y, Itoguchi N, Ohtsuka S, Yamadori I, Oto T, Ishii Y, Sakamoto T, Noguchi M, Hizawa N. Broncho-bronchiolitis obliterans after living-donor lung transplantation: a unique manifestation of chronic allograft rejection. *Transplantation* 96(4):e29-30, 2013
 8. Satomi K, Morishita Y, Murata Y, Shiba-Ishii A, Sugano M, Noguchi M. Epidermal growth factor receptor abnormalities in atypical teratoid/rhabdoid tumors and an unusual case with gene amplification. *Pathol Res Pract* 209(8):521-526, 2013
 9. Tasaka N, Matsumoto K, Satoh T, Minaguchi T, Onuki M, Ochi H, Tanaka YO, Sakata A, Noguchi M, Yoshikawa H. Therapeutic effect of dienogest on adenocarcinoma arising from endometriosis: a case report. *Springerplus* 2:618, 2013
 10. Thunnissen E, Belien JA, Kerr KM, Chung JH, Flieder DB, Noguchi M, Yatabe Y, Hwang DM, Lely RJ, Hartemink KJ, Meijer-Jorna LB, Tsao MS. In compressed lung tissue microscopic sections of adenocarcinoma in situ may mimic papillary adenocarcinoma. *Arch Pathol Lab Med* 137(12):1792-1797, 2013
 11. Travis WD, Brambilla E, Noguchi M, Nicholson AG, Geisinger K, Yatabe Y, Ishikawa Y,

- Wistuba I, Flieder DB, Franklin W, Gazdar A, Hasleton PS, Henderson DW, Kerr KM, Nakatani Y, Petersen I, Roggli V, Thunnissen E, Tsao M. Diagnosis of lung adenocarcinoma in resected specimens: implications of the 2011 International Association for the Study of Lung Cancer/American Thoracic Society/European Respiratory Society classification. *Arch Pathol Lab Med* 137(5):685-705, 2013
12. Travis WD, Brambilla E, Noguchi M, Nicholson AG, Geisinger K, Yatabe Y, Ishikawa Y, Wistuba I, Flieder DB, Franklin W, Gazdar A, Hasleton PS, Henderson DW, Kerr KM, Petersen I, Roggli V, Thunnissen E, Tsao M. Diagnosis of lung cancer in small biopsies and cytology: implications of the 2011 International Association for the Study of Lung Cancer/American Thoracic Society/European Respiratory Society classification. *Arch Pathol Lab Med* 137(5):668-684, 2013
13. Usui S, Minami Y, Shiozawa T, Iyama S, Satomi K, Sakashita S, Sato Y, Noguchi M. Differences in the prognostic implications of vascular invasion between lung adenocarcinoma and squamous cell carcinoma. *Lung Cancer* 82(3):407-412, 2013

2) 英文以外の論文

1. 菊池慎二, 佐伯祐典, 北沢伸祐, 小林敬祐, 山本純, 薄井真悟, 井口けさ人, 後藤行延, 酒井光昭, 鬼塚正孝, 佐藤幸夫, 本間晋介, 南優子, 野口雅之. 術前導入ゲフィチニブ療法を施行した cStageI-IIA 肺腺癌の 1 例 免疫組織化学的検討. *肺癌* 53(5):600, 2013

4) 英文以外の著書

1. 石川雄一, 元井紀子, 野口雅之. 1. 肺癌の分類 (病理と分子) 1. 新しい IASLC/ATS/ERS 肺癌分類について教えてください。14. 現在の組織分類にはどのような問題がありますか? ; "肺癌診療 Q&A 一つ上をいく診療の実践 (第 2 版)" (編集 弦間昭彦), 中外医学社 (東京) 2013; pp2-5, pp39-43
2. 薄井真悟, 南優子, 野口雅之. 肺がん病理診断の問題点と新提案; "日本医師会雑誌" 日本医師会 2013; pp33-37
3. 野口雅之. 肺腺癌の病理診断で知っておくべき事; "診断病理" 日本病理学会 (東京) 2013; pp1-7

実験病理学

1) 英文論文

1. Ido K, Ohwada T, Yasutomi E, Yoshinaga T, Arai T, Kato M, 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* 67(1):16-24, 2013
2. Okita Y, Kamoshida A, Suzuki H, Itoh K, Motohashi H, Igarashi K, Yamamoto M, Ogami T, Koinuma D, Kato M. Transforming growth factor- β induces transcription factors MafK and Bach1 to suppress expression of the heme oxygenase-1 gene. *J Biol Chem* 288(28):20658-20667, 2013
3. Yoon JH, Jung SM, Park SH, Kato M, Yamashita T, Lee IK, Sudo K, Nakae S, Han JS, Kim OH, Oh BC, Sumida T, Kuroda M, Ju JH, Jung KC, Park SH, Kim DK, Mamura M. Activin receptor-like kinase5 inhibition suppresses mouse melanoma by ubiquitin degradation of Smad4, thereby derepressing eomesodermin in cytotoxic T lymphocytes. *EMBO Mol Med* 5(11):1720-1739, 2013

腎・血管病理学

1) 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* 17(2):248-254, 2013
2. Kriz W, Shirato I, Nagata M, LeHir M, Lemley KV. The podocyte's response to stress: the enigma of foot process effacement. *Am J Physiol Renal Physiol* 304(4):F333-347, 2013
3. Nagata M, Yamaguchi Y. Diabetic nephrotic syndrome 25 years after tumor-forming pancreatitis surgery--reply. *Hum Pathol* 44(2):300, 2013
4. Sakamoto K, Ueno T, Kobayashi N, Hara S, Takashima Y, Pastan I, Matsusaka T, Nagata M. The direction and role of phenotypic transition between podocytes and parietal epithelial cells in focal segmental glomerulosclerosis. *Am J Physiol Renal Physiol* doi: 10.1152/ajprenal.00228.2013., 2013
5. Sugiyama H, Yokoyama H, Sato H, Saito T, Kohda Y, Nishi S, Tsuruya K, Kiyomoto H, Iida H, Sasaki T, Higuchi M, Hattori M, Oka K, Kagami S, Kawamura T, Takeda T, Hataya H,

- Fukasawa Y, Fukatsu A, Morozumi K, Yoshikawa N, Shimizu A, Kitamura H, Yuzawa Y, Matsuo S, Kiyohara Y, Joh K, Nagata M, Taguchi T, Makino H. Japan Renal Biopsy Registry and Japan Kidney Disease Registry: Committee Report for 2009 and 2010. *Clin Exp Nephrol* 17(2):155-173, 2013
6. Takahashi S, Hiromura K, Tsukida M, Ohishi Y, Hamatani H, Sakurai N, Sakairi T, Ikeuchi H, Kaneko Y, Maeshima A, Kuroiwa T, Yokoo H, Aoki T, Nagata M, Nojima Y. Nephrotic syndrome caused by immune-mediated acquired LCAT deficiency. *J Am Soc Nephrol* 24(8):1305-1312, 2013
7. Ueno T, Kobayashi N, Nakayama M, Takashima Y, Ohse T, Pastan I, Pippin JW, Shankland SJ, Uesugi N, Matsusaka T, Nagata M. Aberrant Notch1-dependent effects on glomerular parietal epithelial cells promotes collapsing focal segmental glomerulosclerosis with progressive podocyte loss. *Kidney Int* 83(6):1065-1075, 2013
- 2) 英文以外の論文
1. 臼井丈一, 長田道夫. 【ネフローゼ症候群 診療の新たな潮流】 糸球体係蹄の構造異常からみたネフローゼ症候群. *内科* 112(4):761-766, 2013
2. 小林凡子, 長田道夫. 【CKD(慢性腎臓病)ガイドラインに基づく有効なこれからの実地診療】 実地医家のベッドサイドでの武器とストラテジーの整理のために CKD の実地診療に不可欠の検査の活用とその結果の読みかた・生かしかた CKD 実地診療ガイドラインの中の腎生検病理診断の位置づけ ガイドラインは誰のために書かれたのか? *Medical Practice* 30(11):1893-1895, 2013
3. 小林凡子, 長田道夫. 【CKD と血栓】 血栓と腎の病態 血栓と上皮細胞障害. 血栓と循環 21(2):94-98, 2013
4. 小林凡子, 高島康利, 長田道夫. Clinical nephrology 糸球体障害 足細胞障害と微小循環不全. *Annual Review 腎臓* 2013 :159-164, 2013
5. 坂本和雄, 長田道夫. 【腎アミロイドーシスの新展開】 腎アミロイドーシスの病理組織所見と診断上の問題点. *Nephrology Frontier* 12(1):30-36, 2013
6. 長田道夫. ネフローゼ症候群をきたす腎疾患の病理. 最新医学別冊ネフローゼ症候群 :28-37, 2013
7. 長田道夫, 原怜史. 【分子標的薬時代の膠原病】 膠原病に伴う腎臓病 病理形態の多様性と免疫学的背景. *病理と臨床* 31(7):727-734, 2013
8. 原怜史, 長田道夫. 【全身性エリテマトーデス-免疫異常と腎症の最近の知見】 ループス腎炎の病理組織分類. *腎と透析* 74(1):43-50, 2013

システム神経科学

1) 英文論文

1. Inaba K, Mizuhiki T, Setogawa T, Toda K, Richmond BJ, Shidara M. Neurons in monkey dorsal raphe nucleus code beginning and progress of step-by-step schedule, reward expectation, and amount of reward outcome in the reward schedule task. *J Neurosci* 33(8):3477-3491, 2013
2. Toyoda Y, Shinohara R, Thumkeo D, Kamijo H, Nishimaru H, Hioki H, Kaneko T, Ishizaki T, Furuyashiki T, Narumiya S. EphA4-dependent axon retraction and midline localization of Ephrin-B3 are disrupted in the spinal cord of mice lacking mDia1 and mDia3 in combination. *Genes Cells* 18(10):873-885, 2013
3. Yoshikawa M, Murakami Y, Senzaki K, Masuda T, Ozaki S, Ito Y, Shiga T. Coexpression of Runx1 and Runx3 in mechanoreceptive dorsal root ganglion neurons. *Dev Neurobiol* 73(6):469-479, 2013

4) 英文以外の著書

1. "感性認知脳科学への招待 (第1版)" (編集 久野節二, 山田一夫, 尾崎繁, 内山俊朗), 筑波大学出版会 (つくば) 2013 (全 201 ページ)
2. 設楽宗孝. 第6章 第3節. モチベーションと意欲の神経科学; "感性認知脳科学への招待 (第1版)" (編集 久野節二, 山田一夫, 尾崎繁, 内山俊朗), 筑波大学出版会 (つくば) 2013; pp182-196

認知行動神経科学

1) 英文論文

1. Matsumoto M, Takada M. Distinct representations of cognitive and motivational signals in midbrain dopamine neurons. *Neuron* 79(5):1011-1024, 2013
2. Nakamagoe K, Fujizuka N, Koganezawa T, Shimizu K, Takiguchi S, Horaguchi T, Ishii K, Tamaoka A. Residual central nervous system damage due to organoarsenic poisoning. *Neurotoxicol Teratol* 37:33-38, 2013
3. Nakamagoe K, Fujizuka N, Koganezawa T, Yamaguchi T, Tamaoka A. Downbeat nystagmus associated with damage to the medial longitudinal fasciculus of the pons: a vestibular balance control mechanism via the lower brainstem paramedian tract neurons. *J Neurol Sci*

328(1-2):98-101, 2013

4. Yamada H, Inokawa H, Matsumoto N, Ueda Y, Enomoto K, Kimura M. Coding of the long-term value of multiple future rewards in the primate striatum. *J Neurophysiol* 109(4):1140-1151, 2013
5. Yamada H, Tymula A, Louie K, Glimcher PW. Thirst-dependent risk preferences in monkeys identify a primitive form of wealth. *Proc Natl Acad Sci U S A* 110(39):15788-15793, 2013

分子細胞生物学

1) 英文論文

1. Kimura Y, Irie K, Irie K. Pbp1 is involved in Ccr4- and Khd1-mediated regulation of cell growth through association with ribosomal proteins Rpl12a and Rpl12b. *Eukaryot Cell* 12(6):864-874, 2013
2. Takashima O, Tsuruta F, Kigoshi Y, Nakamura S, Kim J, Katoh MC, Fukuda T, Irie K, Chiba T. Brap2 regulates temporal control of NF- κ B localization mediated by inflammatory response. *PLoS One* 8(3):e58911, 2013

遺伝子制御学

1) 英文論文

1. Fukuda A, Shimada M, Nakadai T, Nishimura K, Hisatake K. Heterogeneous nuclear ribonucleoprotein R cooperates with mediator to facilitate transcription reinitiation on the c-Fos gene. *PLoS One* 8(8):e72496, 2013
2. Kogawa M, Hisatake K, Atkins GJ, Findlay DM, Enoki Y, Sato T, Gray PC, Kanasaki-Yatsuka Y, Anderson PH, Wada S, Kato N, Fukuda A, Katayama S, Tsujimoto M, Yoda T, Suda T, Okazaki Y, Matsumoto M. The paired-box homeodomain transcription factor Pax6 binds to the upstream region of the TRAP gene promoter and suppresses receptor activator of NF- κ B ligand (RANKL)-induced osteoclast differentiation. *J Biol Chem* 288(43):31299-31312, 2013
3. Shiromoto Y, Kuramochi-Miyagawa S, Daiba A, Chuma S, Katanaya A, Katsumata A, Nishimura K, Ohtaka M, Nakanishi M, Nakamura T, Yoshinaga K, Asada N, Nakamura S, Yasunaga T, Kojima-Kita K, Ito D, Kimura T, Nakano T. GPAT2, a mitochondrial outer membrane protein, in piRNA biogenesis in germline stem cells. *RNA* 19(6):803-810, 2013
4. Tateno H, Matsushima A, Hiemori K, Onuma Y, Ito Y, Hasehira K, Nishimura K, Ohtaka M, Takayasu

- S, Nakanishi M, Ikehara Y, Nakanishi M, Ohnuma K, Chan T, Toyoda M, Akutsu H, Umezawa A, Asashima M, Hirabayashi J. Podocalyxin is a glycoprotein ligand of the human pluripotent stem cell-specific probe rBC2LCN. *Stem Cells Transl Med* 2(4):265-273, 2013
5. Wakao H, Yoshikiyo K, Koshimizu U, Furukawa T, Enomoto K, Matsunaga T, Tanaka T, Yasutomi Y, Yamada T, Minakami H, Tanaka J, Oda A, Sasaki T, Wakao R, Lantz O, Udagawa T, Sekiya Y, Higuchi K, Harada N, Nishimura K, Ohtaka M, Nakanishi M, Fujita H. Expansion of functional human mucosal-associated invariant T cells via reprogramming to pluripotency and redifferentiation. *Cell Stem Cell* 12(5):546-558, 2013

分子腫瘍学

1) 英文論文

1. 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* 42(2):543-548, 2013
2. Sugimoto K, Shiraki K, Takei Y, Ito M, Nobori T, Suzuki H, Dissanayaka SK, Meno K, Asashima M, Uchida K. Serum protein isoform profiles indicate the progression of hepatitis C virus-induced liver diseases. *Int J Mol Med* 31(4):943-950, 2013

2) 英文以外の論文

1. 内田和彦, 目野浩二, 鈴木秀昭, 赤津弘康, 水上勝義, 朝田隆. 【認知症とオミクス解析】軽度認知障害とアルツハイマー病の血液バイオ-マーカー. *Dementia Japan* 27(3):277-288, 2013

生理化学

1) 英文論文

1. Ali WH, Chen Q, Delgiorno KE, Su W, Hall JC, Hongu T, Tian H, Kanaho Y, Di Paolo G, Crawford HC, Frohman MA. Deficiencies of the lipid-signaling enzymes phospholipase D1 and D2 alter cytoskeletal organization, macrophage phagocytosis, and cytokine-stimulated neutrophil recruitment. *PLoS One* 8(1):e55325, 2013
2. Kanaho Y, Sato T, Hongu T, Funakoshi Y. Molecular mechanisms of fMLP-induced superoxide generation and degranulation in mouse neutrophils. *Adv Biol Regul*

- 53(1):128-134, 2013
3. Nguyen TT, Kim YM, Kim TD, Le OT, Kim JJ, Kang HC, Hasegawa H, Kanaho Y, Jou I, Lee SY. Phosphatidylinositol 4-phosphate 5-kinase alpha facilitates Toll-like receptor 4-mediated microglial inflammation through regulation of the Toll/interleukin-1 receptor domain-containing adaptor protein (TIRAP) location. *J Biol Chem* 288(8):5645-5659, 2013
 4. Sanematsu F, Nishikimi A, Watanabe M, Hongu T, Tanaka Y, Kanaho Y, Cote JF, Fukui Y. Phosphatidic acid-dependent recruitment and function of the Rac activator DOCK1 during dorsal ruffle formation. *J Biol Chem* 288(12):8092-8100, 2013
 5. Sato T, Hongu T, Sakamoto M, Funakoshi Y, Kanaho Y. Molecular mechanisms of N-formyl-methionyl-leucyl-phenylalanine-induced superoxide generation and degranulation in mouse neutrophils: phospholipase D is dispensable. *Mol Cell Biol* 33(1):136-145, 2013
 6. Shinkai Y, Yamanaka I, Duong HH, Quynh NT, Kanaho Y, Kumagai Y. Garcinia vilersiana bark extract activates the Nrf2/HO-1 signaling pathway in RAW264.7 cells. *J Toxicol Sci* 38(6):875-878, 2013
 7. Yamazaki M, Yamauchi Y, Goshima Y, Kanaho Y. Phosphatidylinositol 4-phosphate 5-kinase beta regulates growth cone morphology and semaphorin 3A-triggered growth cone collapse in mouse dorsal root ganglion neurons. *Neurosci Lett* 547:59-64, 2013
- 2) 英文以外の論文
1. 長谷川潤, 金保安則. 哺乳動物個体から見るホスファチジルイノシトール 4-リン酸 5-キナーゼの生理機能. 生化学 85(5):362-367, 2013
 2. 本宮綱記, 船越祐司, 金保安則. リン脂質代謝酵素ホスホリパーゼ D2 は腫瘍形成を抑制する. 脂質生化学研究 55:64-66, 2013

分子薬理学

) 英文論文

1. Hasegawa Y, Daitoku Y, Sekiguchi K, Tanimoto Y, Mizuno-Iijima S, Mizuno S, Kajiwara N, Ema M, Miwa Y, Mekada K, Yoshiki A, Takahashi S, Sugiyama F, Yagami K. Novel ROSA26 Cre-reporter knock-in C57BL/6N mice exhibiting green emission before and red emission after Cre-mediated recombination. *Exp Anim* 62(4):295-304, 2013
2. Shibata AC, Chen LH, Nagai R, Ishidate F, Chadda R, Miwa Y, Naruse K, Shirai YM, Fujiwara TK, Kusumi A. Rac1 recruitment to the archipelago structure of the focal adhesion

through the fluid membrane as revealed by single-molecule analysis. *Cytoskeleton (Hoboken)* 70(3):161-177, 2013

4) 英文以外の著書

1. 三輪佳宏, 田中順子. 見る脂質のページ<最先端可視化技術がもたらすサイエンスへのインパクト Visualization does not need legends> 生きたマウス体内の多次元蛍光生体イメージング. "The Lipid 24(1)" 2013:pp4-10

分子神経生物学

1) 英文論文

1. Akamatsu M, Takuma H, Yamashita T, Okada T, Keino-Masu K, Ishii K, Kwak S, Masu M, Tamaoka A. A unique mouse model for investigating the properties of amyotrophic lateral sclerosis-associated protein TDP-43, by in utero electroporation. *Neurosci Res* 77(4):234-241, 2013
2. 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* 3:1402, 2013

2) 英文以外の論文

1. 榎和子, 榎正幸. ヘパラン硫酸微細構造の組織特異性とその決定機構. 医学のあゆみ 245(7):600-602, 2013

3) 英文著書

1. Masu M. Emerging roles of heparan sulfate in axon guidance; in "Cortical Development: Neural Diversity and Neocortical Organization (1st edition)" (edited by Kageyama R, Yamamori T), Springer-Verlag (Tokyo) 2013; pp203-214
2. Masu M, Koike S, Okada T, Keino-Masu K. Studies on autotaxin signaling in endocytic vesicle biogenesis and embryonic development using whole embryo culture and electroporation; in "Lysophospholipid Receptors: Signaling and Biochemistry (1st edition)" (edited by Chun J, Hla T, Spiegel S, Moolenaar W), John Wiley & Son Inc. (Hoboken, NJ, USA) 2013; pp121-136

分子ウイルス学

1) 英文論文

1. Binh NT, Wakai C, Kawaguchi A, Nagata K. The N-terminal region of influenza virus polymerase PB1 adjacent to the PA binding site is involved in replication but not transcription of the viral genome. *Front Microbiol* 4:398, 2013
2. Binh NT, Wakai C, Kawaguchi A, Nagata K. Involvement of the N-terminal portion of influenza virus RNA polymerase subunit PB1 in nucleotide recognition. *Biochem Biophys Res Commun* doi: 10.1016/j.bbrc.2013.12.071, 2013
3. Czene A, Németh E, Zóka IG, Jakab-Simon NI, Körtvélyesi T, Nagata K, Christensen HE, Gyurcsik B. The role of the N-terminal loop in the function of the colicin E7 nuclease domain. *J Biol Inorg Chem* 18(3):309-321, 2013
4. Czene A, Tóth E, Gyurcsik B, Otten H, Poulsen JC, Lo Leggio L, Larsen S, Christensen HE, Nagata K. Crystallization and preliminary crystallographic analysis of an Escherichia coli-selected mutant of the nuclease domain of the metallonuclease colicin E7. *Acta Crystallogr Sect F Struct Biol Cryst Commun* 69(Pt 5):551-554, 2013
5. Haruyama T, Nagata K. Anti-influenza virus activity of Ginkgo biloba leaf extracts. *J Nat Med* 67(3):636-642, 2013
6. Hisaoka M, Nagata K, Okuwaki M. Intrinsically disordered regions of nucleophosmin/B23 regulate its RNA binding activity through their inter- and intra-molecular association. *Nucleic Acids Res* doi: 10.1093/nar/gkt897, 2013
7. Komaki-Yasuda K, Okuwaki M, Nagata K, Kawazu S, Kano S. Identification of a novel and unique transcription factor in the intraerythrocytic stage of Plasmodium falciparum. *PLoS One* 8(9):e74701, 2013
8. Komatsu T, Sekiya T, Nagata K. DNA replication-dependent binding of CTCF plays a critical role in adenovirus genome functions. *Sci Rep* 3:2187, 2013
9. Oaks JJ, Santhanam R, Walker CJ, Roof S, Harb JG, Ferenchak G, Eisfeld AK, Van Brocklyn JR, Briesewitz R, Saddoughi SA, Nagata K, Bittman R, Caligiuri MA, Abdel-Wahab O, Levine R, Arlinghaus RB, Quintas-Cardama A, Goldman JM, Apperley J, Reid A, Milojkovic D, Ziolo MT, Marcucci G, Ogretmen B, Neviani P, Perrotti D. Antagonistic activities of the immunomodulator and PP2A-activating drug FTY720 (Fingolimod, Gilenya) in Jak2-driven hematologic malignancies. *Blood* 122(11):1923-1934, 2013
10. Ueshima S, Nagata K, Okuwaki M. Upstream binding factor-dependent and pre-rRNA

transcription-independent association of pre-rRNA processing factors with rRNA gene.
Biochem Biophys Res Commun doi: 10.1016/j.bbrc.2013.11.039, 2013

微生物学

1) 英文論文

1. Ohniwa RL, Muchaku H, Saito S, Wada C, Morikawa K. Atomic force microscopy analysis of the role of major DNA-binding proteins in organization of the nucleoid in Escherichia coli. *PLoS One* 8(8):e72954, 2013
2. Ueta M, Wada C, Daifuku T, Sako Y, Bessho Y, Kitamura A, Ohniwa RL, Morikawa K, Yoshida H, Kato T, Miyata T, Namba K, Wada A. Conservation of two distinct types of 100S ribosome in bacteria. *Genes Cells* 18(7):554-574, 2013
3. Vong LB, Yoshitomi T, Morikawa K, Saito S, Matsui H, Nagasaki Y. Oral nanotherapeutics: effect of redox nanoparticle on microflora in mice with dextran sodium sulfate-induced colitis. *J Gastroenterol* doi: 10.1007/s00535-013-0836-8, 2013

免疫学

1) 英文論文

1. Arai S, Maehara N, Iwamura Y, Honda S, Nakashima K, Kai T, Ogishi M, Morita K, Kurokawa J, Mori M, Motoi Y, Miyake K, Matsuhashi N, Yamamura K, Ohara O, Shibuya A, Wakeland EK, Li QZ, Miyazaki T. Obesity-associated autoantibody production requires AIM to retain the immunoglobulin M immune complex on follicular dendritic cells. *Cell Rep* 3(4):1187-1198, 2013
2. Danisch S, Qiu Q, Seth S, Ravens I, Dorsch M, Shibuya A, Shibuya K, Förster R, Bernhardt G. CD226 interaction with CD155 impacts on retention and negative selection of CD8 positive thymocytes as well as T cell differentiation to follicular helper cells in Peyer's Patches. *Immunobiology* 218(2):152-158, 2013
3. Georgiev H, Danisch S, Chambers BJ, Shibuya A, Förster R, Bernhardt G. To the editor: TIGIT versus CD226: hegemony or coexistence? *Eur J Immunol* doi: 10.1002/eji.201343925., 2013
4. Nagai K, Tahara-Hanaoka S, Morishima Y, Tokunaga T, Imoto Y, Noguchi E, Kanemaru K, Imai M, Shibayama S, Hizawa N, Fujieda S, Yamagata K, Shibuya A. Expression and

- function of Allergin-1 on human primary mast cells. *PLoS One* 8(10):e76160, 2013
5. Takagaki K, Satoh K, Honda S, Shibuya A. Molecular characterization of the dimer formation of Fc α / μ receptor (CD351). *Mol Immunol* 56(1-2):23-27, 2013
 6. Yamashita Y, Abe F, Hirochika R, Tahara-Hanaoka S, Shibuya A, Shibuya K. Establishment and characterization of a novel anti-DNAM-1 monoclonal antibody. *Monoclon Antib Immunodiagn Immunother* 32(1):60-64, 2013
 7. Yoshizawa Y, Honda S, Shibuya A. Involvement of Fc α / μ R (CD351) in autoantibody production. *Mol Immunol* doi: 10.1016/j.molimm.2013.10.002, 2013
- 4) 英文以外の著書
1. 小田ちぐさ, 渋谷彰. 第1章 敗血症の基礎研究の進め方 第3節[3]免疫学的にみた敗血症の病態と研究動向; "敗血症の診断／治療の実状と病態・メカニズムをふまえた開発戦略(第1版)"(編集 金原繁), (株)技術情報協会(東京)2013; pp96-100

遺伝医学

- 1) 英文論文
1. Fukushima H, Fukushima T, Sakai A, Suzuki R, Nakajima-Yamaguchi R, Kobayashi C, Iwabuchi A, Saito M, Yoshimi A, Nakao T, Kato K, Tsuchida M, Takahashi H, Koike K, Kiyokawa N, Noguchi E, Sumazaki R. Polymorphisms of MTHFR Associated with Higher Relapse/Death Ratio and Delayed Weekly MTX Administration in Pediatric Lymphoid Malignancies. *Leuk Res Treatment* doi: 10.1155/2013/238528, 2013
2. Furukawa M, Tochigi M, Otowa T, Arinami T, Inada T, Ujike H, Watanabe Y, Iwata N, Itokawa M, Kunugi H, Hashimoto R, Ozaki N, Kakiuchi C, Kasai K, Sasaki T. An association analysis of the cardiomyopathy-associated 5 (CMYA5) gene with schizophrenia in a Japanese population. *Psychiatr Genet* 23(4):179-180, 2013
3. Hayashi M, Hirota T, Saeki H, Nakagawa H, Ishiujii Y, Matsuzaki H, Tsunemi Y, Kato T, Shibata S, Sugaya M, Sato S, Tada Y, Doi S, Miyatake A, Ebe K, Noguchi E, Ebihara T, Amagai M, Esaki H, Takeuchi S, Furue M, Tamari M. Genetic polymorphism in the TRAF3IP2 gene is associated with psoriasis vulgaris in a Japanese population. *J Dermatol Sci* doi: 10.1016/j.jdermsci.2013.11.012, 2013
4. Horiuchi Y, Ishikawa M, Kaito N, Iijima Y, Tanabe Y, Ishiguro H, Arinami T. Experimental evidence for the involvement of PDLIM5 in mood disorders in hetero knockout mice. *PLoS*

- One* 8(4):e59320, 2013
5. Iijima H, Kaneko Y, Yamada H, Yatagai Y, Masuko H, Sakamoto T, Naito T, Hirota T, Tamari M, Konno S, Nishimura M, Noguchi E, Hizawa N. A distinct sensitization pattern associated with asthma and the thymic stromal lymphopoietin (TSLP) genotype. *Allergol Int* 62(1):123-130, 2013
 6. Imoto Y, Tokunaga T, Matsumoto Y, Hamada Y, Ono M, Yamada T, Ito Y, Arinami T, Okano M, Noguchi E, Fujieda S. Cystatin SN upregulation in patients with seasonal allergic rhinitis. *PLoS One* 8(8):e67057, 2013
 7. Inoue Y, Nakagawara R, Kambara T, Tanaka K, Seki K, Enomoto H, Noguchi E, Aihara M, Ikezawa Z. Prevalence of atopic dermatitis in Japanese infants treated with moisturizer since birth and its relation to FLG mutations. *Eur J Dermatol* 23(2):288-289, 2013
 8. Jimbo T, Masumoto K, Urita Y, Takayasu H, Shinkai T, Uesugi T, Gotoh C, Sakamoto N, Sasaki T, Oto T, Fukushima T, Noguchi E, Nakano Y. Nevoid basal cell carcinoma syndrome with a unilateral giant ovarian fibroma in a Japanese 6-year-old girl. *Eur J Pediatr* doi: 10.1007/s00431-013-2200-7, 2013
 9. Kaneko Y, Masuko H, Sakamoto T, Iijima H, Naito T, Yatagai Y, Yamada H, Konno S, Nishimura M, Noguchi E, Hizawa N. Asthma phenotypes in Japanese adults - their associations with the CCL5 and ADRB2 genotypes. *Allergol Int* 62(1):113-121, 2013
 10. Kawaku S, Sato R, Song H, Bando Y, Arinami T, Noguchi E. Functional analysis of BRCA1 missense variants of uncertain significance in Japanese breast cancer families. *J Hum Genet* 58(9):618-621, 2013
 11. Saeki H, Hirota T, Nakagawa H, Tsunemi Y, Kato T, Shibata S, Sugaya M, Sato S, Doi S, Miyatake A, Ebe K, Noguchi E, Ebihara T, Amagai M, Esaki H, Takeuchi S, Furue M, Nakamura Y, Tamari M. Genetic polymorphisms in the IL22 gene are associated with psoriasis vulgaris in a Japanese population. *J Dermatol Sci* 71(2):148-150, 2013
 12. Shibata H, Yamamoto K, Sun Z, Oka A, Inoko H, Arinami T, Inada T, Ujike H, Itokawa M, Tochigi M, Watanabe Y, Someya T, Kunugi H, Suzuki T, Iwata N, Ozaki N, Fukumaki Y. Genome-wide association study of schizophrenia using microsatellite markers in the Japanese population. *Psychiatr Genet* 23(3):117-123, 2013
 13. Watanabe Y, Iijima Y, Egawa J, Nunokawa A, Kaneko N, Arinami T, Ujike H, Inada T, Iwata N, Kunugi H, Itokawa M, Sasaki T, Ozaki N, Hashimoto R, Shibuya M, Igeta H, Someya T. Replication in a Japanese population that a MIR30E gene variation is associated with schizophrenia. *Schizophr Res* 150(2-3):596-597, 2013

14. Yatagai Y, Sakamoto T, Masuko H, Kaneko Y, Yamada H, Iijima H, Naito T, Noguchi E, Hirota T, Tamari M, Imoto Y, Tokunaga T, Fujieda S, Konno S, Nishimura M, Hizawa N. Genome-wide association study for levels of total serum IgE identifies HLA-C in a Japanese population. *PLoS One* 8(12):e80941, 2013

2) 英文以外の論文

1. 野口恵美子. ゲノムワイド関連解析. 喘息 26(1):17-21, 2013

分子遺伝疫学・社会健康医学

1) 英文論文

1. Chei CL, Yamagishi K, Kitamura A, Kiyama M, Imano H, Ohira T, Cui R, Tanigawa T, Sankai T, Ishikawa Y, Sato S, Hitsumoto S, Iso H; on behalf of the CIRS Investigators. High-density lipoprotein subclasses and risk of stroke and its subtypes in Japanese population: the Circulatory Risk in Communities Study. *Stroke* 44(2):327-333, 2013
2. Cui R, Li Y, Krisztina G, Yamagishi K, Umesawa M, Imano H, Ohira T, Kiyama M, Okada T, Kitamura A, Hitsumoto S, Tanigawa T, Iso H; for CIRS Investigators. An association between central aortic pressure and subclinical organ damage of the heart among a general Japanese cohort: Circulatory Risk in Communities Study (CIRCS). *Atherosclerosis* 232(1):94-98, 2013
3. Furukawa H, Kawasaki A, Oka S, Shimada K, Matsui T, Ikenaka T, Hashimoto A, Okazaki Y, Takaoka H, Futami H, Komiya A, Kondo Y, Ito S, Hayashi T, Matsumoto I, Kusaoi M, Takasaki Y, Nagai T, Hirohata S, Setoguchi K, Suda A, Nagaoka S, Kono H, Okamoto A, Chiba N, Suematsu E, Fukui N, Hashimoto H, Sumida T, Ono M, Tsuchiya N, Tohma S. Association of a single nucleotide polymorphism in the SH2D1A intronic region with systemic lupus erythematosus. *Lupus* 22(5):497-503, 2013
4. Furukawa H, Oka S, Matsui T, Hashimoto A, Arinuma Y, Komiya A, Fukui N, Tsuchiya N, Tohma S. Genome, epigenome and transcriptome analyses of a pair of monozygotic twins discordant for systemic lupus erythematosus. *Hum Immunol* 74(2):170-175, 2013
5. Furukawa H, Oka S, Shimada K, Rheumatoid Arthritis-Interstitial Lung Disease Study C, 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*

72(1):153-155, 2013

6. Furukawa H, Oka S, Shimada K, Sugii S, Hashimoto A, Komiya A, Fukui N, Nagai T, Hirohata S, Setoguchi K, Okamoto A, Chiba N, Suematsu E, Miyashita T, Migita K, Suda A, Nagaoka S, Tsuchiya N, Tohma S. Association of increased frequencies of HLA-DPB1*05:01 with the presence of anti-Ro/SS-A and anti-La/SS-B antibodies in Japanese rheumatoid arthritis and systemic lupus erythematosus patients. *PLoS One* 8(1):e53910, 2013
7. Furukawa H, Oka S, Takehana K, Muramatsu T, Shimada K, Komiya A, Fukui N, Tsuchiya N, Tohma S. Plasma amino acid profiles in collagen disease patients with interstitial lung disease. *Immunome Research* 9(1):64, 2013
8. Furusawa T, Naka I, Yamauchi T, Natsuhara K, Eddie R, Kimura R, Nakazawa M, Ishida T, Inaoka T, Matsumura Y, Ataka Y, Ohtsuka R, Ohashi J. Hypertension-susceptibility gene prevalence in the Pacific Islands and associations with hypertension in Melanesia. *J Hum Genet* 58(3):142-149, 2013
9. Genin E, Coustet B, Allanore Y, Ito I, Teruel M, Constantin A, Schaevebeke T, Ruysse-Witrand A, Tohma S, Cantagrel A, Vittecoq O, Barnetche T, Le Loët X, Fardellone P, Furukawa H, Meyer O, Fernandez-Gutierrez B, Balsa A, Gonzalez-Gay MA, Chiochia G, Tsuchiya N, Martin J, Dieudé P. Epistatic interaction between BANK1 and BLK in rheumatoid arthritis: results from a large trans-ethnic meta-analysis. *PLoS One* 8(4):e61044, 2013
10. Ikehara S, Iso H, Yamagishi K, Kokubo Y, Saito I, Yatsuya H, Inoue M, Tsugane S; for the JPHS study. Alcohol consumption and risk of stroke and coronary heart disease among Japanese women: the Japan Public Health Center-based prospective study. *Prev Med* 57(5):505-510, 2013
11. Kawasaki A, Inoue N, Ajimi C, Sada KE, Kobayashi S, Yamada H, Furukawa H, Sumida T, Tohma S, Miyasaka N, Matsuo S, Ozaki S, Hashimoto H, Makino H, Harigai M, Tsuchiya N. Association of IRF5 polymorphism with MPO-ANCA-positive vasculitis in a Japanese population. *Genes Immun* 14(8):527-529, 2013
12. Kokubo Y, Iso H, Saito I, Yamagishi K, Yatsuya H, Ishihara J, Inoue M, Tsugane S. The impact of green tea and coffee consumption on the reduced risk of stroke incidence in Japanese population: the Japan public health center-based study cohort. *Stroke* 44(5):1369-1374, 2013
13. Li Y, Yatsuya H, Yamagishi K, Wakai K, Tamakoshi A, Iso H, Mori M. Body mass index and weight change during adulthood are associated with increased mortality from liver

- cancer: the JACC Study. *J Epidemiol* 23(3):219-226, 2013
14. 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)* 37(9):1204-1210, 2013
 15. Naka I, Ohashi J, Kimura R, Inaoka T, Matsumura Y. Association of ADRB2 polymorphism with triglyceride levels in Tongans. *Lipids Health Dis* 12(1):110, 2013
 16. Noguchi S, Hijikata M, Hamano E, Matsushita I, Ito H, Ohashi J, Nagase T, Keicho N. MxA transcripts with distinct first exons and modulation of gene expression levels by single-nucleotide polymorphisms in human bronchial epithelial cells. *Immunogenetics* 65(2):107-114, 2013
 17. Oka S, Furukawa H, Kashiwase K, Tsuchiya N, Tohma S. A novel HLA-DQB1*04 allele, DQB1*04:10, identified in a Japanese individual. *Tissue Antigens* 82(2):148-149, 2013
 18. Oka S, Furukawa H, Shimada K, Hayakawa H, Fukui N, Tsuchiya N, Tohma S. Serum biomarker analysis of collagen disease patients with acute-onset diffuse interstitial lung disease. *BMC Immunol* 14:9, 2013
 19. Onuma H, Tabara Y, Kawamura R, Ohashi J, Nishida W, Takata Y, Ochi M, Nishimiya T, Kawamoto R, Kohara K, Miki T, Osawa H. Plasma resistin is associated with single nucleotide polymorphisms of a possible resistin receptor, the decorin gene, in the general Japanese population. *Diabetes* 62(2):649-652, 2013
 20. Saito I, Yamagishi K, Chei CL, Cui R, Ohira T, Kitamura A, Kiyama M, Imano H, Okada T, Kato T, Hitsumoto S, Ishikawa Y, Tanigawa T, Iso H. Total and high molecular weight adiponectin levels and risk of cardiovascular disease in individuals with high blood glucose levels. *Atherosclerosis* 229(1):222-227, 2013
 21. Shimizu Y, Imano H, Ohira T, Kitamura A, Kiyama M, Okada T, Ishikawa Y, Shimamoto T, Yamagishi K, Tanigawa T, Iso H, Investigators C. Alkaline phosphatase and risk of stroke among Japanese: the Circulatory Risk in Communities Study (CIRCS). *J Stroke Cerebrovasc Dis* 22(7):1046-1055, 2013
 22. Terao C, Ohmura K, Kawaguchi Y, Nishimoto T, Kawasaki A, Takehara K, Furukawa H, Kochi Y, Ota Y, Ikari K, Sato S, Tohma S, Yamada R, Yamamoto K, Kubo M, Yamanaka H, Kuwana M, Tsuchiya N, Matsuda F, Mimori T. PLD4 as a novel susceptibility gene for systemic sclerosis in a Japanese population. *Arthritis Rheum* 65(2):472-480, 2013

23. Tsuchiya N. Genetics of ANCA-associated vasculitis in Japan: a role for HLA-DRB1*09:01 haplotype. *Clin Exp Nephrol* 17(5):628-630, 2013
24. Umeda N, Matsumoto I, Ito I, Kawasaki A, Tanaka Y, Inoue A, Tsuboi H, Suzuki T, Hayashi T, Ito S, Tsuchiya N, Sumida T. Anti-citrullinated glucose-6-phosphate isomerase peptide antibodies in patients with rheumatoid arthritis are associated with HLA-DRB1 shared epitope alleles and disease activity. *Clin Exp Immunol* 172(1):44-53, 2013
25. Yamagishi K, Folsom AR, Steffen LM; for the ARIC Study Investigators. Plasma fatty acid composition and incident ischemic stroke in middle-aged adults: the Atherosclerosis Risk in Communities (ARIC) Study. *Cerebrovasc Dis* 36(1):38-46, 2013
26. Yamagishi K, Iso H, Kokubo Y, Saito I, Yatsuya H, Ishihara J, Inoue M, Tsugane S, Group JS. Dietary intake of saturated fatty acids and incident stroke and coronary heart disease in Japanese communities: the JPHC Study. *Eur Heart J* 34(16):1225-1232, 2013
27. Yatsuya H, Iso H, Yamagishi K, Kokubo Y, Saito I, Suzuki K, Sawada N, Inoue M, Tsugane S. Development of a point-based prediction model for the incidence of total stroke: Japan public health center study. *Stroke* 44(5):1295-1302, 2013

4) 英文以外の著書

1. 「自己抗体陽性女性の妊娠管理指針の作成及び新生児ループスの発症リスクの軽減に関する研究」研究班. "抗SS-A抗体陽性女性の妊娠に関する診療の手引き (第1版)" (編集 村島温子, 福嶋恒太郎, 穴見愛, 堀米仁志, 前野泰樹, 山岸良匡, 坪井洋人, 岸本暢将), 国立成育医療研究センター母性医療診療部 (東京) 2013; pp1-16
2. 筑西市健康副読本編集委員. "筑西市健康副読本: めざせ! ず〜っとけんこう!! (第7版)" (編集 磯博康, 山岸良匡), 筑西市 (筑西) 2013; pp1-30
3. 山岸良匡, 磯博康. 3-1. 魚をたべると心筋梗塞が減る?: 疫学的根拠; "そうだったんだ! 脂肪酸: 循環器疾患との深い関係 (第1版)" (編集 伊藤浩), 文光堂 (東京) 2013; pp34-39

再生幹細胞生物学

1) 英文論文

1. Akimoto K, Kimura K, Nagano M, Takano S, To'a Salazar G, Yamashita T, Ohneda O. Umbilical cord blood-derived mesenchymal stem cells inhibit, but adipose tissue-derived mesenchymal stem cells promote, glioblastoma multiforme proliferation. *Stem Cells Dev*

22(9):1370-1386, 2013

2. Fukuda S, Nagano M, Yamashita T, Kimura K, Tsuboi I, Salazar G, Ueno S, Kondo M, Kunath T, Oshika T, Ohneda O. Functional endothelial progenitor cells selectively recruit neurovascular protective monocyte-derived F4/80(+) /Ly6c(+) macrophages in a mouse model of retinal degeneration. *Stem Cells* 31(10):2149-2161, 2013
3. Iwata K, Ikami K, Matsuno K, Yamashita T, Shiba D, Ibi M, Matsumoto M, Katsuyama M, Cui W, Zhang J, Zhu K, Takei N, Kokai Y, Ohneda O, Yokoyama T, Yabe-Nishimura C. Deficiency of NOX1/nicotinamide adenine dinucleotide phosphate, reduced form oxidase leads to pulmonary vascular remodeling. *Arterioscler Thromb Vasc Biol* doi: 10.1161/ATVBAHA.113.302107, 2013
4. Kimura K, Nagano M, Salazar G, Yamashita T, Tsuboi I, Mishima H, Matsushita S, Sato F, Yamagata K, Ohneda O. The Role of CCL5 in the Ability of Adipose Tissue-Derived Mesenchymal Stem Cells to Support Repair of Ischemic Regions. *Stem Cells Dev* doi: 10.1089/scd.2013.0307, 2013

医工学

1) 英文論文

1. Miyoshi H, Ohshima N, Sato C. Three-dimensional culture of mouse bone marrow cells on stroma formed within a porous scaffold: influence of scaffold shape and cryopreservation of the stromal layer on expansion of haematopoietic progenitor cells. *J Tissue Eng Regen Med* 7(1):32-38, 2013

実験動物学

1) 英文論文

1. Hasegawa Y, Daitoku Y, Sekiguchi K, Tanimoto Y, Mizuno-Iijima S, Mizuno S, Kajiwara N, Ema M, Miwa Y, Mekada K, Yoshiki A, Takahashi S, Sugiyama F, Yagami K. Novel ROSA26 Cre-reporter knock-in C57BL/6N mice exhibiting green emission before and red emission after Cre-mediated recombination. *Exp Anim* 62(4):295-304, 2013
2. Mizuno S, Tra DT, Mizobuchi A, Iseki H, Mizuno-Iijima S, Kim JD, Ishida J, Matsuda Y, Kunita S, Fukamizu A, Sugiyama F, Yagami K. Truncated Cables1 causes agenesis of the corpus callosum in mice. *Lab Invest* doi: 10.1038/labinvest.2013.146, 2013

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* 154(2):597-602, 2013

医学物理学

1) 英文論文

1. Abei M, Okumura T, Fukuda K, Hashimoto T, Araki M, Ishige K, Hyodo I, Kanemoto A, Numajiri H, Mizumoto M, Sakae T, Sakurai H, Zenkoh J, Ariungerel G, Sogo Y, Ito A, Ohno T, Tsuboi K. A phase I study on combined therapy with proton-beam radiotherapy and in situ tumor vaccination for locally advanced recurrent hepatocellular carcinoma. *Radiat Oncol* 8:239, 2013
2. Aihara T, Morita N, Kamitani N, Kumada H, Ono K, Hiratsuka J, Harada T. Boron neutron capture therapy for advanced salivary gland carcinoma in head and neck. *Int J Clin Oncol* 10.1007/s10147-013-0580-3, 2013
3. 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* 85(3):840-845, 2013
4. Hong Z, Kase Y, Moritake T, Gerelchuluun A, Sun L, Suzuki K, Terunuma T, Yasuoka K, Kumada H, Anzai K, Sakurai H, Sakae T, Tsuboi K. Lineal energy-based evaluation of oxidative DNA damage induced by proton beams and X-rays. *Int J Radiat Biol* 89(1):36-43, 2013
5. Isobe T, Mori Y, Takada K, Sato E, Sakurai H, Sakae T. Robust technique using an imaging plate to detect environmental radioactivity. *Health Phys* 104(4):362-365, 2013
6. Isobe T, Mori Y, Takada K, Sato E, Takahashi H, Sekiguchi T, Yoshimura Y, Sakurai H, Sakae T. Evaluation of vegetables in Tsukuba for contamination with radioactive materials from the accident at Fukushima Daiichi nuclear power plant. *Health Phys* 105(4):311-317, 2013
7. Kanemoto A, Mizumoto M, Okumura T, Takahashi H, Hashimoto T, Oshiro Y, Fukumitsu N, Moritake T, Tsuboi K, Sakae T, Sakurai H. Dose-volume histogram analysis for risk factors of radiation-induced rib fracture after hypofractionated proton beam therapy for hepatocellular carcinoma. *Acta Oncol* 52(3):538-544, 2013

8. Kanemoto A, Okumura T, Ishikawa H, Mizumoto M, Oshiro Y, Kurishima K, Homma S, Hashimoto T, Ohkawa A, Numajiri H, Ohno T, Moritake T, Tsuboi K, Sakae T, Sakurai H. Outcomes and prognostic factors for recurrence after high-dose proton beam therapy for centrally and peripherally located stage I non-small-cell lung cancer. *Clin Lung Cancer* doi: 10.1016/j.clcc.2013.11.002, 2013
9. 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* 54(3):485-493, 2013
10. Zaboronok A, Isobe T, Yamamoto T, Sato E, Takada K, Sakae T, Tsurushima H, Matsumura A. Proton beam irradiation stimulates migration and invasion of human U87 malignant glioma cells. *J Radiat Res* doi: 10.1093/jrr/rrt119, 2013

2) 英文以外の論文

1. 磯辺智範, 榮武二, 高田健太, 森祐太郎, 山本哲哉. 環境中における放射性物質の簡易型リアルタイムモニタリングシステムの開発. 大和証券ヘルス財団研究業績集 36:185-193, 2013
2. 大城佳子, 水本齊志, 石川仁, 奥村敏之, 坪井康次, 榮武二, 福島敬, 須磨崎亮, 増本幸二, 金子道夫, 櫻井英幸. 固形腫瘍の治療の進歩 小児固形がんに対する陽子線治療. 日本小児血液・がん学会雑誌 50(3):331-334, 2013
3. 川村拓, 篠田和哉, 宮本勝美, 榮武二, 門間正彦, 松村明. ポリマーゲル線量計を用いた球状小照射野線量測定に関する検討. 日本放射線技術学会雑誌 69(9):933-943, 2013

4) 英文以外の著書

1. 磯辺智範, 藤原恵子, 鎌田知子, 安藤浩樹, 富田哲也, 山田真子, 森祐太郎, 高田健太, 佐藤英介, 小見正太郎, 吉村洋祐. 1. 新機能検査; "若葉マーク 臨床検査学エッセンス・ノート 1 臨床生理機能検査 (第1版)" (編集 磯辺智範), メディカルビュー社 (東京) 2013; pp2-13
2. 磯辺智範, 藤原恵子, 鎌田知子, 安藤浩樹, 富田哲也, 山田真子, 森祐太郎, 高田健太, 佐藤英介, 小見正太郎, 吉村洋祐. 2. 呼吸機能検査; "若葉マーク 臨床検査学エッセンス・ノート 2 臨床生理機能検査 (第1版)" (編集 磯辺智範), メディカルビュー社 (東京) 2013; pp48-63
3. 磯辺智範, 藤原恵子, 鎌田知子, 安藤浩樹, 富田哲也, 山田真子, 森祐太郎, 高田健太, 佐藤英介, 小見正太郎, 吉村洋祐. 5. 感覚器検査; "若葉マーク 臨床検査学エッセンス・

- ノート 3 臨床生理機能検査 (第1版) ”(編集 磯辺智範), メディカルビュー社 (東京) 2013; pp117-134
4. 磯辺智範, 藤原恵子, 鎌田知子, 安藤浩樹, 富田哲也, 山田真子, 森祐太郎, 高田健太, 佐藤英介, 小見正太郎, 吉村洋祐. 6. 超音波検査; "若葉マーク 臨床検査学エッセンス・ノート 4 臨床生理機能検査 (第1版) ”(編集 磯辺智範), メディカルビュー社 (東京) 2013; pp136-161
5. 磯辺智範, 藤原恵子, 鎌田知子, 安藤浩樹, 富田哲也, 山田真子, 森祐太郎, 高田健太, 佐藤英介, 小見正太郎, 吉村洋祐. 7. 眼底検査; "若葉マーク 臨床検査学エッセンス・ノート 5 臨床生理機能検査 (第1版) ”(編集 磯辺智範), メディカルビュー社 (東京) 2103; pp164-169
6. 磯辺智範, 藤原恵子, 鎌田知子, 安藤浩樹, 富田哲也, 山田真子, 森祐太郎, 高田健太, 佐藤英介, 小見正太郎, 吉村洋祐. 9. 熱画像検査; "若葉マーク 臨床検査学エッセンス・ノート 6 臨床生理機能検査 (第1版) ”(編集 磯辺智範), メディカルビュー社 (東京) 2013; pp222-231
7. 奥村敏之, 水本斉志, 福光延吉, 大西かよ子, 沼尻晴子, 石川仁, 栗飯原輝人, 坪井康次, 榮武二, 櫻井英幸. 【肝胆膵領域への放射線療法 as of 2013】 肝臓領域の放射線療法 肝腫瘍に対する陽子線療法の現状と成績; "肝・胆・膵 67(2) ” 2013; pp271-278
8. 熊田博明. 加速器中性子源の研究開発による BNCT の確立に向けて; "医学物理 32(3) ” 2013; pp104-110
9. 熊田博明. つくば国際戦略総合特区における次世代がん治療(BNCT)の開発実用化プロジェクトについて; "バイオサイエンスとインダストリー 71(1) ” 2013; pp63-66
10. 櫻井英幸, 奥村敏之, 石川仁, 福光延吉, 栗飯原輝人, 大西かよ子, 水本斉志, 大城佳子, 沼尻晴子, 盛武敬, 高田健太, 照沼利之, 安岡聖, 磯辺智範, 熊田博明, 坪井康次, 榮武二. 【Radiotherapy Today 2013 粒子線治療最前線-進化する粒子線治療の現状と展望-】 粒子線治療の現状と展望 粒子線治療実施施設からの報告; "筑波大学陽子線医学利用研究センター PMRC. INNERVISION 28(7) ” 2013; pp19-21

放射線生物学

1) 英文論文

1. Abei M, Okumura T, Fukuda K, Hashimoto T, Araki M, Ishige K, Hyodo I, Kanemoto A, Numajiri H, Mizumoto M, Sakae T, Sakurai H, Zenkoh J, Ariungerel G, Sogo Y, Ito A, Ohno T, Tsuboi K. A phase I study on combined therapy with proton-beam radiotherapy and in situ

- tumor vaccination for locally advanced recurrent hepatocellular carcinoma. *Radiat Oncol* 8:239, 2013
2. Hong Z, Kase Y, Moritake T, Gerelchuluun A, Sun L, Suzuki K, Terunuma T, Yasuoka K, Kumada H, Anzai K, Sakurai H, Sakae T, Tsuboi K. Lineal energy-based evaluation of oxidative DNA damage induced by proton beams and X-rays. *Int J Radiat Biol* 89(1):36-43, 2013
 3. Kanemoto A, Okumura T, Ishikawa H, Mizumoto M, Oshiro Y, Kurishima K, Homma S, Hashimoto T, Ohkawa A, Numajiri H, Ohno T, Moritake T, Tsuboi K, Sakae T, Sakurai H. Outcomes and prognostic factors for recurrence after high-dose proton beam therapy for centrally and peripherally located stage I non--small-cell lung cancer. *Clin Lung Cancer* doi: 10.1016/j.clcc.2013.11.002, 2013
 4. Mizumoto M, Hashii H, Senarita M, Sakai S, Wada T, Okumura T, Tsuboi K, Sakurai H. Proton beam therapy for malignancy in Bloom syndrome. *Strahlenther Onkol* 189(4):335-338, 2013
 5. Mizumoto M, Okumura T, Ishikawa E, Yamamoto T, Takano S, Matsumura A, Oshiro Y, Ishikawa H, Sakurai H, Tsuboi K. Reirradiation for recurrent malignant brain tumor with radiotherapy or proton beam therapy. Technical considerations based on experience at a single institution. *Strahlenther Onkol* 189(8):656-663, 2013
 6. Oshiro Y, Mizumoto M, Okumura T, Sugahara S, Fukushima T, Ishikawa H, Nakao T, Hashimoto T, Tsuboi K, Ohkawa H, Kaneko M, Sakurai H. Clinical results of proton beam therapy for advanced neuroblastoma. *Radiat Oncol* 8(1):142, 2013
 7. Oshiro Y, Okumura T, Mizumoto M, Fukushima T, Ishikawa H, Hashimoto T, Tsuboi K, Kaneko M, Sakurai H. Proton beam therapy for unresectable hepatoblastoma in children: survival in one case. *Acta Oncol* 52(3):600-603, 2013
 8. Sun L, Moritake T, Zheng YW, Suzuki K, Gerelchuluun A, Hong Z, Zenkoh J, Taniguchi H, Tsuboi K. In vitro stemness characterization of radio-resistant clones isolated from a medulloblastoma cell line GNS-76. *J Radiat Res* 54(1):61-69, 2013
 9. Suzuki K, Gerelchuluun A, Hong Z, Sun L, Zenkoh J, Moritake T, Tsuboi K. Celecoxib enhances radiosensitivity of hypoxic glioblastoma cells through endoplasmic reticulum stress. *Neuro Oncol* 15(9):1186-1199, 2013

2) 英文以外の論文

1. 大城佳子, 水本斉志, 石川仁, 奥村敏之, 坪井康次, 柴武二, 福島敬, 須磨崎亮, 増本幸二,

- 金子道夫, 櫻井英幸. 固形腫瘍の治療の進歩 小児固形がんに対する陽子線治療. 日本小児血液・がん学会雑誌 50(3):331-334, 2013
2. 奥村敏之, 水本斉志, 福光延吉, 大西かよ子, 沼尻晴子, 石川仁, 栗飯原輝人, 坪井康次, 榮武二, 櫻井英幸. 【肝胆膵領域への放射線療法 as of 2013】 肝臓領域の放射線療法 肝腫瘍に対する陽子線療法の現状と成績. 肝・胆・膵 67(2):271-278, 2013
3. 櫻井英幸, 奥村敏之, 石川仁, 福光延吉, 栗飯原輝人, 大西かよ子, 水本斉志, 大城佳子, 沼尻晴子, 盛武敬, 高田健太, 照沼利之, 安岡聖, 磯辺智範, 熊田博明, 坪井康次, 榮武二. 【Radiotherapy Today 2013 粒子線治療最前線-進化する粒子線治療の現況と展望-】 粒子線治療の現状と展望 粒子線治療実施施設からの報告 筑波大学陽子線医学利用研究センター PMRC. INNERVISION 28(7):19-21, 2013
4. 孫略, 水野祐介, 岩本眞理, 後藤隆久, 小口靖弘, 坪井康次, 千田浩一, 盛武敬. 小児心カテーテル術中の患者の入射皮膚線量の直接測定法. 日本放射線技術学会雑誌 69(9):1070, 2013
5. 坪井康次, 水本斉志. 【悪性脳腫瘍の治療-最新のトピックス】 放射線治療のトピックス 陽子線・重粒子線治療. Clinical Neuroscience 31(10):1169-1172, 2013

生命反応化学

1) 英文論文

1. Aiba Y, Hamano Y, Kameshima W, Araki Y, Wada T, Accetta A, Sforza S, Corradini R, Marchelli R, Komiyama M. PNA-NLS conjugates as single-molecular activator of target site in double-stranded DNA for site-selective scission. *Org. Biomol. Chem.* 11(32):5233-5238, 2013
2. Aiba Y, Yasuda K, Komiyama M. Site-selective scission of double-stranded DNA by combining a triplex-forming bis-PNA and Ce(IV)/EDTA. *Chem. Lett.* 42(10):1300-1302, 2013
3. Ishizuka T, Xu Y, Komiyama M. A Chemistry-Based Method to Detect Individual Telomere Lengths at a Single Chromosome Terminus. *Journal of the American Chemical Society* 135(1):14-17, 2013
4. Ito K, Shigi N, Komiyama M. Artificial restriction DNA cutter for site-selective gene insertion in human cells. *Chem. Commun.* 49(60):6464-6766, 2013
5. Kameshima W, Ishizuka T, Minoshima M, Yamamoto M, Sugiyama H, Xu Y, Komiyama M. Conjugation of peptide nucleic acid with pyrrole-imidazole polyamide to specifically

recognize and cleave DNA. *Angewandte Chemie International Edition* 52(51):13681-13684, 2013

6. Komiyama M. Cut-and-paste of DNA using artificial restriction DNA cutter. *Int. J. Mol. Sci.* 14(2):3343-3357, 2013
7. Xu Y, Komiyama M. Evidence for G-Quadruplex DNA in Human Cells. *ChemBioChem* 14(8):927-928, 2013

3) 英文著書

1. Ito K, Komiyama M. Chapter 9. Site-selective scission of human genome using PNA-based artificial restriction DNA cutter.; in "Peptide Nucleic Acids. Methods and Protocols (1st edition)" (edited by Nielsen, Peter E, Appella, Daniel H.), Springer Science+Business Media (New York) 2013; pp111-120

4) 英文以外の著書

1. 小宮山眞, 第 56 章. スーパー制限酵素の開発とこれを用いたゲノムのマニピュレーション; "野口研究所時報 (第 1 版)" (編集 野口研究所), 野口研究所 (東京) 2013; pp31-39
2. 小宮山眞, 第 12 章. DNA を切る唯一の触媒 —セリウムとの幸運な出会い—; "別冊化学ケミストを魅了した元素と周期表" (編集 化学同人編集部), 化学同人 (京都) 2013; pp120

環境生物学

1) 英文論文

1. Abiko Y, Kumagai Y. Interaction of Keap1 modified by 2-tert-butyl-1,4-benzoquinone with GSH: evidence for S-transarylation. *Chem Res Toxicol* 26(7):1080-1087, 2013
2. Beei C, Iwamoto N, Inaba T, Shinkai Y, Kumagai Y. Activation of EGFR/MEK/ERK/AP-1 signaling mediated by 1,2-naphthoquinone, an atmospheric electrophile, in human pulmonary A549 cells. *J Toxicol Sci* 38(5):793-797, 2013
3. Koizumi R, Taguchi K, Hisamori M, Kumagai Y. Interaction of 9,10-phenanthraquinone with dithiol causes oxidative modification of Cu,Zn-superoxide dismutase (SOD) through redox cycling. *J Toxicol Sci* 38(3):317-324, 2013
4. Kumagai Y, Kanda H, Shinkai Y, Toyama T. The role of the Keap1/Nrf2 pathway in the cellular response to methylmercury. *Oxid Med Cell Longev* 2013:848279, 2013

5. Shindo R, Kakehashi H, Okumura K, Kumagai Y, Nakano H. Critical contribution of oxidative stress to TNF α -induced necroptosis downstream of RIPK1 activation. *Biochem Biophys Res Commun* 436(2):212-216, 2013
6. Shinkai Y, Nakajima S, Eiguren-Fernandez A, Stefano ED, Schmitz DA, Froines JR, Cho AK, Kumagai Y. Ambient vapor samples activate the Nrf2-ARE pathway in human bronchial epithelial BEAS-2B cells. *Environ Toxicol* doi:10.1002/tox.21860, 2013
7. Shinkai Y, Yamanaka I, Duong HH, Quynh NT, Kanaho Y, Kumagai Y. Garcinia vilersiana bark extract activates the Nrf2/HO-1 signaling pathway in RAW264.7 cells. *J Toxicol Sci* 38(6):875-878, 2013
8. Toyama T, Shinkai Y, Kaji T, Kumagai Y. Convenient method to assess chemical modification of protein thiols by electrophilic metals. *J Toxicol Sci* 38(3):477-484, 2013

4) 英文以外の著書

1. 熊谷嘉人. 酸化ストレスと親電子シグナル制御; "医学のあゆみ「活性酸素 – 基礎から病態解明・制御まで」 247 巻 9 号" 医歯薬出版 (東京) 2013; pp787-793

環境微生物学

1) 英文論文

1. Matsubara K, Fujino M, Takeuchi K, Iwata S, Nakayama T. A new method for the detection of neutralizing antibodies against mumps virus. *PLoS One* 8(7):e65281, 2013
2. Nagata S, Maedera T, Nagata N, Kidokoro M, Takeuchi K, Kuranaga M, Takeda M, Kato A. Comparison of the live attenuated mumps vaccine (Miyahara strain) with its preattenuated parental strain. *J Vaccines Immun* 1(2):13-21, 2013
3. Ohkura T, Kokuho T, Konishi M, Kameyama K, Takeuchi K. Complete Genome Sequences of Bovine Parainfluenza Virus Type 3 Strain BN-1 and Vaccine Strain BN-CE. *Genome Announc* 1(1): e00247-12, 2013
4. Wakimoto H, Shimodo M, Satoh Y, Kitagawa Y, Takeuchi K, Gotoh B, Itoh M. F-actin modulates measles virus cell-cell fusion and assembly by altering the interaction between the matrix protein and the cytoplasmic tail of hemagglutinin. *J Virol* 87(4):1974-1984, 2013
5. Yageta Y, Ishii Y, Morishima Y, Ano S, Ohtsuka S, Matsuyama M, Takeuchi K, Itoh K, Yamamoto M, Hizawa N. Carbocysteine Reduces Viral-Induced Pulmonary Inflammation in Mice Exposed to Cigarette Smoke. *Am J Respir Cell Mol Biol* doi:

環境保健学（産業精神医学・宇宙医学）

1) 英文論文

1. Kaneko H, Ohi Y, Doki S, Hirai Y, Suzuki S, Kobayashi N, Seki A, Sho N, Usami K, Tomotsune Y, Sasahara S, Matsuzaki I. Conditions Surrounding Potential Suicide Victims in Japan: an Analysis of Calls to Ibaraki Inochi No Denwa. *Journal of Physical Fitness, Nutrition and Immunology* 23(2):72-86, 2013
2. Kobayashi N, Haoka T, Usami K, Yoshino S, Kikuchi A, Suzuki S, Doki S, Hirai Y, Kaneko H, Seki A, Sho N, Ohi Y, Tomotsune Y, Sasahara S, Matsuzaki I. Long-term Variability in the Sense of Coherence among Return-to-Work Program. *Journal of Physical Fitness, Nutrition and Immunology* 23(2):56-63, 2013
3. Seki A, Tomotsune Y, Ohi Y, Hirai Y, Suzuki S, Doki S, Kaneko H, Sho N, Usami K, Sasahara S, Matsuzaki I. A Relationship between Sense of Coherence and Psycho-social Work Characteristics -Validation of Causal Relationship Using Structural Equation Modeling-. *Journal of Physical Fitness, Nutrition and Immunology* 23(2):64-71, 2013

2) 英文以外の論文

1. 友常祐介, 平井康仁, 小林直紀, 大井雄一, 笹原信一郎, 松崎一葉. 心の健康問題を抱えた労働者への対応における産業医-精神科医間の意識差に関する研究. 体力・栄養・免疫学雑誌 23(2):87-94, 2013
2. 羽岡健史, 吉野聡, 鈴木瞬, 小林直紀, 宇佐見和哉, 友常祐介. うつ病による長期休業者のリワークプログラム利用中の認知機能の変化. 臨床精神医学 42(4):497-503, 2013

4) 英文以外の著書

1. 友常祐介. "正しく知る 会社「うつ」の治し方・接し方 -知っておきたいメンタルヘルス対策 (初版)" (松崎一葉 監修), 技術評論社 (東京) 2013 年 (全 192 ページ)

長寿医学寄附講座

1) 英文論文

1. Kaneko H, Ohi Y, Doki S, Hirai Y, Suzuki S, Kobayashi N, Seki A, Sho N, Usami K, Tomotsune Y, Sasahara S, Matsuzaki I. Conditions Surrounding Potential Suicide Victims in Japan: an Analysis of Calls to Ibaraki Inochi No Denwa. *Journal of Physical Fitness, Nutrition and Immunology* 23(2):72-86, 2013
2. Kobayashi N, Haoka T, Usami K, Yoshino S, Kikuchi A, Suzuki S, Doki S, Hirai Y, Kaneko H, Seki A, Sho N, Ohi Y, Tomotsune Y, Sasahara S, Matsuzaki I. Long-term Variability in the Sense of Coherence among Return-to-Work Program. *Journal of Physical Fitness, Nutrition and Immunology* 23(2):56-63, 2013
3. Seki A, Tomotsune Y, Ohi Y, Hirai Y, Suzuki S, Doki S, Kaneko H, Sho N, Usami K, Sasahara S, Matsuzaki I. A Relationship between Sense of Coherence and Psycho-social Work Characteristics -Validation of Causal Relationship Using Structural Equation Modeling-. *Journal of Physical Fitness, Nutrition and Immunology* 23(2):64-71, 2013

2) 英文以外の論文

1. 友常祐介, 平井康仁, 小林直紀, 大井雄一, 笹原信一郎, 松崎一葉. 体力・栄養・免疫学雑誌. 心の健康問題を抱えた労働者への対応における産業医-精神科医間の意識差に関する研究 23(2):87-94, 2013
2. 羽岡健史, 吉野聡, 鈴木瞬, 小林直紀, 宇佐見和哉, 友常祐介. うつ病による長期休業者のリワークプログラム利用中の認知機能の変化. 臨床精神医学 42(4):497-503, 2013