

ラム2014, 千葉, 2014.11.15

- 11) 山崎 晶, レクチン受容体による糖脂質認識と免疫応答, 第12回日本糖鎖科学コンソーシアム (JCGG) シンポジウム, 東京, 2014.12.4-5
- 12) 山崎 晶, 結核菌アジュバント認識機構と免疫応答, 基盤研セミナー, 大阪, 2014.12.15
- 13) 山崎 晶, アジュバントの認識と免疫応答, 第43回日本免疫学会学術集会ランチョンセミナー, 京都, 2014.12.10-12
- 14) Sho Yamasaki, Recognition of fungal pathogens by C-type lectin receptors. The 2015 Immunology of Fungal Infections Gordon Research Conference, Galveston, USA, 2015. 1.18-23.
- 15) Sho Yamasaki, Regulation of immune responses through C-type lectin receptors, The 6th International Symposium of IFRc, Osaka, 2015. 2.23-24

F. 知的所有権の出願・取得状況

1. 特許出願

発明人: 山崎 晶

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研究成果の刊行に関する一覧表

書籍

著者氏名	論文タイトル名	書籍全体の編集者名	書籍名	出版社名	出版地	出版年	ページ
Kuroda E, Coban C, Ishii KJ	Particulate and immunity	Akashi M, Akagi T, Matsusaki M	Engineered Cell Manipulation for Biomedical Application	Springer	International	2014	Chapter 10 P 194-204.
Reynolds LA, Harcus Y, Smith KA, Webb LM, Hewitson JP, Ross EA, Brown S, Uematsu S, Akira S, Gray D, Gray M, MacDonal d AS, Cunningham AF, Maizels RM.	MyD88 Signaling Inhibits Protective Immunity to the Gastrointestinal Helminth Parasite Heligmosomoides polygyrus.	Pamela J. Fink	J Immunol.	The American Association of Immunologists	USA	2014	2984-93
Goto Y, Obata T, Kunisawa J, Sato S, Ivanov II, Lamichhane A, Takeyama N, Kamioka M, Sakamoto M, Matsuki T, Setoyama H, Imaoka A, Uematsu S, Akira S, Domino SE, Kulig P, Becher B, Renauld JC, Sasakawa C, Umesaki Y, Benno Y, Kiyono H.	Innate lymphoid cells regulate intestinal epithelial cell glycosylation.	Marcia McNutt	Science.	Science Magazine	USA	2014	1254090-1-11

Atif SM, Lee SJ, Li LX, Uematsu S, Akira S, Gorjestani S, Lin X, Schweighoffer E, Tybulewicz VL, McSorley SJ.	Rapid CD4+ T-cell responses to bacterial flagellin require dendritic cell expression of Syk and CARD9.	Eddy Liew	Eur J Immunol.	WILEY-VCH Verlag GmbH & Co.	Germany	2014	513-24
Maruyama K, Fukasaka M, Uematsu S, Takeuchi O, Kondo T, Saitoh T, Martino M, Akira S.	5-azacytidine-induced protein 2 (AZI2) regulates bone mass by fine-tuning osteoclast survival.	ハーバート・テイバー	J Biol Chem	米国生化学分子生物学会	USA	2015	jbc.M114.631374

雑誌

発表者氏名	論文タイトル名	発表誌名	巻号	ページ	出版年
Onishi M, Ozasa K, Kobiyama K, Ohata K, Kitano M, Taniguchi K, Homma T, Kobayashi M, Sato A, Kataki Y, Yasutomi Y, Wijaya E, Igarashi Y, Nakatsu N, Ise W, Inoue T, Yamada H, Vandenberg A, Standley DM, Kurosaki T, Coban C, Aoshi T, Kuroda E, Ishii KJ.	Hydroxypropyl-β-Cyclodextrin Spikes Local Inflammation That Induces Th2 Cell and T Follicular Helper Cell Responses to the Coadministered Antigen.	J Immunol			2015
Koo CX, Kobiyama K, Shen YJ, LeBeurt N, Ahmad S, Kohatoo M, Aoshi T, Gasser S, Ishii KJ.	RNA Polymerase I II Regulates Cytosolic RNA:DNA Hybrids and Intracellular MicroRNA Expression	J Biol Chem			2015
Temizoz B, Kuroda E, Ohata K, Jonai N, Ozasa K, Kobiyama K, Aoshi T, Ishii KJ.	TLR9 and STING agonists synergistically induce innate and adaptive type II IFN.	Eur J Immunol			2014

Natsuaki Y, Egawa G, Nakamizo S, Ono S, Hanakawa S, Okada T, Kusuba N, Otsuka A, Kitoh A, Honda T, Nakajima S, Tsuchiya S, Sugimoto Y, <u>Ishii KJ</u> , Tsutsui H, Yagita H, Iwakura Y, Kubo M, Nigam Lg, Hashimoto T, Fuentes J, Guttman-Yassky E, Miyachi Y, Kabashima K.	Perivascular leukocyte clusters are essential for efficient activation of effector T cells in the skin.	Nat Immunol	15(11)	1064-9	2014
Piao Z, Akeda Y, Takeuchi D, <u>Ishii KJ</u> , Ubukata K, Briles DE, Tomono K, Oishi K.	Protective properties of a fusion pneumococcal surface protein A (PspA) vaccine against pneumococcal challenge by five different PspA clades in mice.	Vaccine.	32 (43)	5607-13	2014
Uraki R, Das SC, Hatta M, Kiso M, Iwatsuki-Horimoto K, Ozawa M, Coban C, <u>Ishii KJ</u> , Kawaka Y.	Hemozoin as a novel adjuvant for inactivated whole virion influenza vaccine.	Vaccine.	32 (41)	5295-300	2014
Mizukami T, Momose H, Kuramitsu M, Takizawa K, Araki K, Furuhashi K, <u>Ishii KJ</u> , Hamauchi I, Yamaguchi K.	System vaccinology for the evaluation of influenza vaccine safety by multiplex gene detection of novel biomarkers in a preclinical study and batch release test.	PLoS One.	9(7)	e101835.	2014

Hemmi M, Tachibana M, Tsuzuki S, Shoji M, Sakurai F, Kawabata K, Kobiyama K, <u>Ishii K J</u> , Akira S, Mizuguchi H.	The early activation of CD8+ T cells is dependent on type I IFN signaling following intramuscular vaccination of adenovirus vector.	Biomed Res Int.	2014	158128	2014
Yagi M, Bang G, Tougan T, Palapac NM, Arisue N, Aoshi T, Matsumoto Y, <u>Ishii KJ</u> , Egwang TG, Druilhe P, Horii T.	Protective epitopes of the Plasmodium falciparum SERA5 malaria vaccine reside in intrinsically unstructured N-terminal repetitive sequences.	LoS One.	9(6)	e98460.	2014
Zhao H, Aoshi T, Kawai S, Mori Y, Konishi A, Ozkan M, Fujita Y, Haseda Y, Shimizu M, Kohyama M, Kobiyama K, Eto K, Nabekura J, Horii T, Ishino T, Yuda M, Hemmi H, Kaisho T, Akira S, Kinoshita M, Tohyama K, Yoshioka Y, <u>Ishii KJ</u> , Coban C.	Olfactory plays a key role in spatiotemporal pathogenesis of cerebral malaria.	Cell Host Microbe.	15(5)	551-63	2014
Onishi M, Kitano M, Taniguchi K, Homma T, Kobayashi M, Sato A, Coban C, <u>Ishii KJ</u> .	Hemozoin is a potent adjuvant for hemagglutinin split vaccine without pyrogenicity in ferrets.	Vaccine.	32(25)	3004-9	2014

Imanishi T, Ishihara C, Badr Mel S, Hashimoto-Tane A, Kimura Y, Kawai T, Takeuchi O, <u>Ishii KJ</u> , Taniguchi S, Noda T, Hirano H, Brombacher F, Barber GN, Akira S, Saito T.	Nucleic acid sensing by T cells initiates Th2 cell differentiation.	Nat Commun.	5	3566	2014
Lam AR, Le Bert N, Ho SS, Shen YJ, Tang ML, Xiong GM, Croxford JL, Koo CX, <u>Ishii KJ</u> , Akira S, Raulet DH, Gasser S.	RAE1 ligands for the NKG2D receptor are regulated by STING-dependent DNA sensor pathways in lymphoma.	Cancer Res.	74(8)	2193-203	2014
Onishi M., Ozasa K., Kobiyama K., Ohata K., Kitano M., Taniguchi K., Homma T., Kobayashi M., Sato A., Katakai Y., Yasutomi Y., Wijaya E., Igarashi Y., Nakatsu N., Ise W., Inoue T., <u>Yamada H.</u> , Vandenbon A., Standley D.M., Kurosaki T., Coban C., Aoshi T., Kuroda E., and Ishii K.J.	Hydroxypropyl- β -cyclodextrin spikes local inflammation that induce Th2 and Tfh 5 responses to the coadministered antigen	J. Immunol.			in press
Igarashi Y., Nakatsu N., Yamashita T., Ono A., Ohno Y., Urushidani T., <u>Yamada H.</u>	Open TG-GATEs: a large-scale toxicogenomics database	Nucl. Acids Res.	43(Database issue)	D921-927	2015
Omura K. Uehara T., Morikawa Y., Hayashi H., Mitsumori K., Minami K., Kanki M., <u>Yamada H.</u> , Ono A., Ohno Y., Urushidani T.	Comprehensive DNA methylation and gene expression study on livers using 2-stage hepatocarcinogenesis model in rats	J. Toxicol. Sci.	39(6)	837-848	2014

Saito K., Maekawa K., Ishikawa M., Senoo Y., Urata M., Murayama M., Nakatsu N., <u>Yamada H.</u> , Saito Y.	Glucosylceramide and Lysophosphatidylcholines as Potential Blood Biomarkers for Drug-Induced Hepatic Phospholipidosis	Toxicol. Sci.	141(2)	377-386	2014
Omura K. Uehara T., Morikawa Y., Hayashi H., Mitsumori K., Minami K., Kanki M., <u>Yamada H.</u> , Ono A., Urushidani T.	Detection of initiating potential of non-genotoxic carcinogens in a two-stage hepatocarcinogenesis study in rats	J. Toxicol. Sci.	39(5)	785-794	2014
Hanafusa H., Morikawa Y., Uehara T., Kaneto M., Ono A., <u>Yamada H.</u> , Ohno Y., Urushidani T.	Comparative gene and protein expression analyses of a panel of cytokines in acute and chronic drug-induced liver injury in rats,	Toxicology	324	43-54	2014
Minami K., Uehara T., Morikawa Y., Omura K., Kanki M., Horinouchi A., Ono A., <u>Yamada H.</u> , Ohno Y. and Urushidani T.	miRNA expression atlas in male rat	Scientific Data 電子版	1		2014
Uehara T., Horinouchi A., Morikawa Y., Tonomura Y., Minami K., Ono A., Yamate J., <u>Yamada H.</u> , Ohno Y. and Urushidani T.	Identification of metabolomic biomarkers for drug-induced acute kidney injury in rats	J. Appl. Toxicol.	34(10)	1087-1095	2014
Murakami Y., <u>Mizuguchi K.</u>	Homology-based prediction of interactions between proteins using Averaged One-Dependence Estimators	BMC bioinformatics	15(1)	213	2014
Chen Y. A., Tripathi L. P., Dessailly B. H., Nyström-Persson J., Ahmad S., <u>Mizuguchi K.</u>	Integrated Pathway Clusters with Coherent Biological Themes for Target Prioritisation Blockade of TLR3 protects mice from lethal radiation-induced gastrointestinal syndrome	PLoS One	9(6)	e99030	2014

Camargo L. M., Zhang X. D., Loerch P., Caceres R. M., Marine S. D., Uva P., Ferrer M., Rinaldis E., Stone D.J., Majercak J., Ray W. J., Chen Y. A., Shearman M. S., Mizuguchi K.	Pathway-Based Analysis of Genome-Wide siRNA Screens Reveals the Regulatory Landscape of App Processing	PLoS One	10(2)	e0115369	2014
Abe, M., Yuki, Y., Kurokawa, S., Mejima, M., Kiyono, H., et al.	A rice-based soluble form of a murine TNF α -specific llama variable domain of heavy-chain antibody suppresses collagen-induced arthritis in mice.	J. Biotechnol.	10:175	45-52	2014
Hiyama, S., Iijima, H., Kiyono, H., Tsujii, M., and Takehara, T. et al.	Peyer's patches play a protective role in nonsteroidal anti-inflammatory drug-induced enteropathy in mice.	Inflamm Bowel Dis	20	790-799.	2014
Masahata, K., Umemoto, E., Kayama, H., Kotani, M., Kiyono, H., et al.	Generation of colonic IgA-secreting cells in the cecal patch.	Nat Commun.	5	3704	2014
Kurashima, Y., Amiya, T., Fujisawa, K., Shibata, N., Kiyono, H., et al.	The enzyme cyp26B1 mediates inhibition of mast cell activation by fibroblasts to maintain skin-barrier homeostasis.	Immunity	40	530-541	2014
Kunisawa, J., Hashimoto, E., Inoue, A., Nagasawa R., Kiyono, H., et al.	Regulation of intestinal IgA responses by dietary palmitic acid and its metabolism.	J. Immunol.	193	1666-1671	2014
Okura, H., Sato, S., Kishikawa, S., Kaneto, S., Kiyono, H., et al.	Runx2-I isoform contributes to fetal bone formation even in the absence of specific N-terminal amino acids.	PLoS One.	9(9)	e108294	2014
Goto, Y., Obata, T., Kunisawa, J., Sato, S., Kiyono, H., et al.	Innate lymphoid cells regulate intestinal epithelial cell glycosylation.	Science	345(6202)	1254009	2014

Nakajima-Adachi, H., Kikuchi, A., Fujimura, Y., <u>Kiyono, H.</u> , Hachimura, S, et al.	Peyer's patches and mesenteric lymph nodes cooperatively promote enteropathy in a mouse model of food allergy.	PLoS One.	9	e107492	2014
Tokuhara, D., Nochi, T., Matsumura, A., <u>Kiyono, H.</u> et al.	Specific expression of apolipoprotein A-IV in the follicle-associated epithelium of the small intestine.	Dig. Dis. Sci.	59	2682-2692	2014
Sato, A., Suwanto, A., Okabe, M., Sato, S., <u>Kiyono, H.</u> , et al.	Vaginal memory T cells induced by intranasal vaccination are critical for protective T cell recruitment and prevention of genital HSV-2 disease.	J Virol.	88(23)	13699-13708	2014
Suenaga, F., Ueha, S., Abe, J., <u>Kiyono, H.</u> Matsushima, K, et al.	Loss of lymph node fibroblastic reticular cells and high endothelial cells is associated with humoral immunodeficiency in mouse graft-versus-host disease.	J Immunol.	194(1)	398-406	2014
Tsai, S-H., Kinoshita, M., <u>Kiyono, H.</u> , Karasuyama, H. Takeda, K, et al.	The ectoenzyme E-NPP3 negatively regulates ATP-dependent chronic allergic responses by basophils and mast cells.	Immunity	42(2)	279-293.	2015
Mejima, M., <u>Kiyono H.</u> , Itoh, K., Mitsui, T., and Yuki, Y, et al.	Determination of genomic location and structure of the transgenes in marker-free rice-based cholera vaccine by using whole genome resequencing approach.	Plant Cell Tiss. Organ Cult.	120	35-48	2015
Kashima, K., Mejima, M., Kurokawa, S., <u>Kiyono, H.</u> Yuki, Y, et al.	Comparative whole-genome analyses of selection marker-free rice-based cholera toxin B-subunit vaccine lines and wild-type lines.	BMC Genomics	16(1)	48	2015

Fukuyama, Y., Yuki, Y., Katakai, Y., Harada, N., <u>Kiyono, H.</u> , et al.	Nanogel-based pneumococcal surface protein A nasal vaccine induces microRNA-associated Th17 cell responses with neutralizing antibodies against <i>Streptococcus pneumoniae</i> in macaques.	Mucosal Immunol.				in press
Kishida, K., Kohyama, M., <u>Kiyono, H.</u> , Kunisawa, J. and Arase, H., et al.	Negative regulation of DSS-induced experimental colitis by PILRa.	Int. Immunol.				in press
Tada, R., Hidaka, A., Iwase, N., <u>Kiyono, H.</u> , Kunisawa, J., et al.	Intranasal immunization with DOTAP cationic liposomes combined with DC-cholesterol induces potent antigen-specific mucosal and systemic immune responses in mice,	PLOS ONE				submitted
Lamichhane, A., Goto, Y., Kamioka, M. Sato, S., <u>Kiyono, H.</u>	IL-10-producing CD4+ T cells negatively regulate fucosylation of epithelial cells in the gut.	Scientific Reports				in revision
Fujihashi, K., Sato S., and <u>Kiyono, H.</u>	Mucosal adjuvants for vaccines to control upper respiratory infections in the elderly.	Exp. Gerontol.	54	21-26		2014
Kurashima, Y. and <u>Kiyono, H.</u>	New era for mucosal mast cells: their roles in inflammation, allergic immune responses and adjuvant development.	Exp. Mol. Med.	46	e83		2014
Azegami, T., Yuki, Y., and <u>Kiyono, H.</u>	Challenge in mucosal vaccines for the control of infectious diseases.	Intern. Immunol.	26	517-528		2014
Lamichhane, A., Azegami, T. and <u>Kiyono, H.</u>	The mucosal immune system for vaccine development.	Vaccine	32(49)	6711-6723		2014
Azegami, T., Itoh, H., <u>Kiyono, H.</u> and Yuki, Y.	Novel transgenic rice-based vaccines.	Arch. Immunol. Ther. Exp.	63(2)	87-99		2015

Kunisawa J. and <u>Kiyono H.</u>	Vitamins mediate immunological homeostasis and diseases at the surface of the body.	Endocr. Metab. Immune Disord. Drug Targets	15(1)	25-30.	2015
Sato, S., <u>Kiyono, H.</u> and Fujihashi, K.	Mucosal immunosenescence in the gastrointestinal tract: A mini-review.	Gerontology			in press
Fukuyama, Y., and <u>Kiyono, H.</u>	Development for the new generation of mucosal vaccine.	The Medical Frontline (SAISHIN-I GAKU)	69(4)	6-17	2014
Azegami, T. and <u>Kiyono, H.</u>	Mucosal immunology.	Journal of Clinical and Experimental Medicine (IGAKU NO AYUMI)	249(5)	396	2014
Kashima, K., Yuki, Y. and <u>Kiyono, H.</u>	Challenge on developing novel oral vaccines.	BIO INDUSTRY	31(6)	4-10	2014
Takasato, Y., Kurashima, Y., <u>Kiyono, H.</u> and Kunisawa, J.	Current status in the development of new generation of anti-allergic mucosal vaccine.	BIO INDUSTRY	31(6)	55-60	2014
Goto, Y. and <u>Kiyono, H.</u>	Regulation of intestinal epithelial cell glycosylation by innate lymphoid cells.	Molecular Gastrointestinal Medicine	11(4)	86-88	2014
Kurashima Y., <u>Kiyono, H.</u> and Kunisawa, J.	Purinergic signaling mediates mast cell activation in the intestinal inflammation	Seikagau	86(6)	798-802	2014
Goto, Y. and <u>Kiyono, H.</u>	Regulation of epithelial glycosylation for the development of intestinal barrier system.	Experimental Medicine, (JIKKEN-IGAKU)	33(4)	544-549	2015
Shan J, Oshima T, Muto T, Yasuda K, Fukui H, Watarai J, <u>Nakanishi K,</u> Miwa H.	Epithelial-derived nuclear IL-33 aggravates inflammation in the pathogenesis of reflux esophagitis.	J Gastroenterol	50	414-423	2015

Muto T, Fukuoka A, Kabashima K, Ziegler SF, <u>Nakanishi K</u> , Matsushita K, Yoshimoto T.	The role of basophils and pro-allergic cytokines TSLP and IL-33, in cutaneously-sensitized food allergy.	Int Immunol	26	539-549	2014
Imai Y, Yasuda K, Sakaguchi Y, Yumikura S, Yoshimoto T, <u>Nakanishi K</u> , Yamanishi K.	Immediate-type contact hypersensitivity is reduced in interleukin-33 knockout mice.	J Dermatol Sci	74	159-161	2014
Ohashi K, Yoshimoto T, Kosaka H, Hirano T, Iimuro Y, <u>Nakanishi K</u> , Fujimoto J.	Interferon γ and plasminogen activator inhibitor 1 regulate adhesion formation after partial hepatectomy.	Br J Surg	101	398-407	2014
Futatsugi-Yumikura S, Matsushita K, Fukuoka A, Takahashi S, Yamamoto N, Yonehara S, <u>Nakanishi K</u> , Yoshimoto T.	Pathogenic Th2-type follicular helper T cells contribute to the development of lupus in Fas-deficient mice.	Int Immunol	26	221-231	2014
安田好文, <u>中西憲司</u>	線虫・真菌などのキチンによるIL-33産生の誘導とアレルギー。	臨床免疫・アレルギー科	61	552-559	2014
Takaki, H., H. Oshiumi, <u>M. Matsumoto</u> , and T. Seya.	Dendritic cell subsets involved in type I IFN induction in mouse measles virus infection models.	Int. J. Biochem. Cell Biol.	53	329-333	2014
Nakai, M., T. Seya, <u>M. Matsumoto</u> , K. Shimotohno, N. Sakamoto, and H. H Aly.	The J6JFH1 strain of hepatitis C virus infects human B cells with low replication efficacy.	Viral. Immunol.	27	285-294	2014
Ishii A, K. Funami, M. Tatematsu, T. Seya, and <u>M. Matsumoto</u> .	Endosomal localization of Toll-like receptor 8 confers distinctive proteolytic processing on human myeloid cells.	J. Immunol.	193	5118-5128	2014

Kasamatsu J., M. Azuma, H. Oshiumi, Y. Morioka, M. Okabe, T. Ebihara, <u>M. Matsumoto</u> , and T. Seya.	INAM plays a critical role in IFN- γ production by NK Cells interacting with polyinosinic-polycytidylic acid-stimulated accessory cells.	J. Immunol.	193	5199-5207	2014
Leong, C. R., H. Oshiumi, M. Okamoto, M. Azuma, H. Takaki, <u>M. Matsumoto</u> , K. Chayama K, and T. Seya.	A MAVS/TICAM-1-independent IFN- α inducing pathway contributes to regulation of hepatitis B virus replication in the mouse hydrodynamic injection model.	J Innate Immun.	7	47-58	2015
Kasamatsu, J., S. Takahashi, M. Azuma, <u>M. Matsumoto</u> , A. Morii-Sakai, M. Imamura, T. Teshima, A. Takahashi, Y. Hirohashi, T. Torigoe, N. Sato, and T. Seya.	PolyI:C and mouse surviving artificially embedding human 2B peptide induce a CD4 ⁺ T cell response to autologous survivin in HLA-A*2402 transgenic mice.	Immunobiology.	220	74-82	2015
<u>Matsumoto, M.</u> , M. Tatematsu, F. Nishikawa, M. Azuma, N. Ishii, A. Morii-Sakai, H. Shime, and T. Seya.	Defined TLR3-specific adjuvant that induces NK and CTL activation without significant cytokine production in vivo.	Nat. Commun.	6	6280	2015
Maruyama A., H. Shime, Y. Takeda, M. Azuma, <u>M. Matsumoto</u> , and T. Seya.	Pam2 lipopeptides systemically increase myeloid-derived suppressor cells through TLR2 signaling.	Biochem Biophys Res Commun.	457.	445-450	2015
Momose H, Mizukami T, Kuramitsu M, Takizawa K, Masumi A, Araki K, Furuhashi K, Yamaguchi K, <u>Hamaguchi I.</u>	Establishment of a New Quality Control and Vaccine Safety Test for Influenza Vaccines and Adjuvants Using Gene Expression Profiling.	PLoS One	in press		

Kuramitsu M, Okuma K, Yamagishi M, Yamochi T, Firouzi S, Momose H, Mizukami T, Takizawa K, Araki K, Sugamura K, Yamaguchi K, Watanabe T, <u>Hamaguchi I.</u>	Identification of T L-Om1, an adult T-cell leukemia (ATL) cell line, as reference material for quantitative PCR for human T-lymphotropic virus 1	J Clin Microbiol	53	587-596.	2015
Mizukami T, Momose H, Kuramitsu M, Takizawa K, Araki K, Furuhashi K, Ishii KJ, <u>Hamaguchi I.</u> , Yamaguchi K.	System vaccinology for the evaluation of influenza vaccine safety by multiplex gene detection of novel biomarkers in a preclinical study and batch release test.	PLoS One	9	e101835	2014
Kasama Y, Mizukami T, Kusunoki H, Peveling-Oberhag J, Nishito Y, Ozawa M, Kohara M, Mizuuchi T, Tsukiyama-Kohara K.	B-cell-intrinsic hepatitis C virus expression leads to B-cell-lymphomagenesis and induction of NF- κ B signalling.	PLoS One.	9	e91373.	2014
Okabayashi S, Shimozawa N, <u>Yasutomi Y.</u> , Yanagisawa K, Kimura N.	Diabetes mellitus accelerates A β pathology in brain accompanied by enhanced GAB β generation in nonhuman primates	PLoS One			印刷中
Onishi M, Ozasa K, Kobiyama K, Ohata K, Kitano M, Taniguchi K, Homma T, Kobayashi M, Sato A, Katakami Y, <u>Yasutomi Y.</u> , Wijaya E , Igarashi Y, Nakatsu N, Ise W, Inoue T, Yamada H, Vandenberg A , Standley DM , Kurosaki T, Coban C, Aoshi T, Kuroda E, Ishii KJ.	Hydroxypropyl- β -cyclodextrin spikes local inflammation that induce Th2 and Tfh responses to the coadministered antigen	J.Immunol			印刷中

Watanabe K., Matsubara A, Kawano M, Mizuno S, Okamura T, Tsujimura Y, Inada H, Nosaoka T, Matsuo K. and <u>Yasutomi Y.</u>	Recombinant Ag85B vaccine by taking advantage of characteristics of human parainfluenza type 2 virus vector showed Mycobacteria-specific immune responses by intranasal immunization.	Vaccine	32	1727-1735	2014
Kobiyama K., Aoshi T., Narita H., Kuroda E., Hayashi M., Tetsutani K., Koyama S., Mochizuki S., Sakurai K., Katakai Y., <u>Yasutomi Y.</u> , Saijo S., Iwakura Y., Akira S., Coban C. and Ishii KJ.	A non-agonistic Dectin-1 ligand transforms CpG into a multitask nanoparticulate TLR9 agonist.	Proc. Natl. Acad. Sci. USA	111	3086-3091	2014
Tsujimura Y, Inada H, Yoneda M, Fujita T, Matsuo K. and <u>Yasutomi Y.</u>	Effects of Mycobacteria major secretion protein, Ag85B, on allergic inflammation in the lung.	Plos One	E-pub		2014
Saito N, Chono H, Shibata H, Ageyama N, <u>Yasutomi Y.</u> and Mineo J.	CD4(+) T cells modified by the endonuclease MazF are safe and can persist in SHIV-infected rhesus macaques.	Mol. Ther. Nucleic Acids	E-pub		2014
Machino-Ohtsuka T, Tajiri K, Kimura T, Sakai S, Sato A, Yoshida T, Hiroe M, <u>Yasutomi Y.</u> , Aonuma K, Imanaka-Yoshida K.	Tenascin-C aggravates autoimmune myocarditis via dendritic cell activation and Th17 cell differentiation.	J.Am.Heart Assoc.	E-pub		2014
Tachibana SI, Kawai S, Katakai Y, Takahashi H, Nakade T, <u>Yasutomi Y.</u> , Horii T, Tanabe K.	Contrasting infection susceptibility of the Japanese macaques and cynomolgus macaques to closely related malaria parasites, Plasmodium vivax and Plasmodium cynomolgi.	Parasitol. Int.	E-pub		2014

Fukuyama Y., Yuki Y., Katakai Y., Harada N., Takahashi H., Takeda S., Mjima M., Joo S., Kurokawa S., Sawada S., Shibata H., Park EJ., Fujihashi K., Briles DE., Yasutomi Y., Tsukada H., Akiyoshi K. and Kiyono H	Nanogel-based pneumococcal surface protein A nasal vaccine induces microRNA-associated Th17 cell responses with neutralizing antibodies against Streptococcus pneumoniae in macaques.	Mucosal Immunology	E-pub		2015
Onishi M, Kuroda E, Kobiyama K, Ozasa K, Kitano M, Taniguchi K, Homma T, Kobayashi M, Sato A, Katakai Y, Yasutomi Y, Wijaya E, Yoshinobu I, Noriyuki N, Hiroshi Y, Vandebon A, Standley DM, Coban C, Aoshit, and Ishii KJ.	Hydroxypropyl-beta-cyclodextrin spikes local inflammation that induces Th2 cell and T-follicular helper cell responses to the coadministered antigen.	Journal of Immunology	194(6)	2673-82	2015
Yamashita K, Ikeda K, Amada K, Liang S, Tsuchiya Y, Nakamura H, Shiraishi H, Standley DM	Kotai Antibody Builder: automated high-resolution structural modeling of antibodies	Bioinformatics	30(22)	3279-80	2014
Li S, Yamashita K, Amada KM, Standley DM	Quantifying sequence and structural features of protein-RNA interactions	Nucleic Acids Res	15	10086-98	2014
Onishi M, Ozasa K, Kobiyama K, Ohata K, Kitano M, Taniguchi K, Homma T, Kobayashi M, Sato A, Katakai Y, Yasutomi Y, Wijaya E, Igarashi Y, Nakatsu N, Ise W, Inoue T, Yamada H, Vandebon A, Standley DM, Kurosaki T, Coban C, Aoshi T, Kuroda E, Ishii KJ	Hydroxypropyl-beta-cyclodextrin Spikes Local Inflammation That Induces Th2 Cell and T Follicular Helper Cell Responses to the Coadministered Antigen	Journal of Immunology	194(6)	2673-2682	2015

Hobro AJ, Pavillon N, Fujita K, Ozkan M, <u>Coban C</u> , Smith NI	Label-free Raman imaging of the macrophage response to the malaria pigment hemozoin	Analyst	140(7)	2350-2359	2015
Onishi M, Kitano M, Taniguchi K, Homma T, Kobayashi M, Sato A, <u>Coban C</u> , Ishii KJ	Hemozoin is a potent adjuvant for hemagglutinin split vaccine without pyrogenicity in ferrets	Vaccine	32(41)	5295-5300	2014
Zhao H, Aoshi T, Kawai S, Mori Y, Konishi A, Ozkan M, Fujita Y, Haseda Y, Shimizu M, Kohyama M, Kobiyama K, Eto K, Nabekura J, Horii T, Ishino T, Yuda M, Hemmi H, Kaisho T, Akira S, Kinoshita M, Tohyama K, Yoshioka Y, Ishii KJ, <u>Coban C</u> .	Olfactory Plays a Key Role in Spatiotemporal Pathogenesis of Cerebral Malaria	Cell Host and Microbe	15(5)	551-563	2014
J. Kunisawa, M. Arita, T. Hayasaka, T. Harada, R. Iwamoto, R. Nagasawa, S. Shikata, T. Nagatake, H. Suzuki, E. Hashimoto, Y. Kurashima, Y. Suzuki, H. Arai, M. Setou, and H. Kiyono	Dietary ω 3 fatty acid exerts anti-allergic effect through the conversion to 17,18-epoxyeicosatetraenoic acid in the gut	Scientific Reports			2015 (in press)
Y. Kurashima, H. Kiyono, and <u>J. Kunisawa</u>	Pathophysiological role of extracellular purinergic mediators in the control of intestinal inflammation	Mediators of Inflammation			2015 (in press)
<u>J. Kunisawa</u> and H. Kiyono	Vitamins mediate immunological homeostasis and diseases at the surface of the body	Endocr Metab Immune Disord Drug Targets			2015 (in press)
Y. Goto, T. Obata, <u>J. Kunisawa</u> , S. Sato, I. I. Ivanov, A. Lamichhane, N. Takeyama, M. Kamioka, M. Sakamoto, T. Matsuki, H. Setoyama, A. Imaoka, S. Uematsu, S. Akira, S. E. Domino, P. Kulig, B. Becker, J. Renault, C. Sasakawa, Y. Umesaki, Y. Benno, and H. Kiyono	Innate lymphoid cells govern intestinal epithelial fucosylation	Science	345	1254009	2014

A. Sato, A. Suwanto, M. Okabe, S. Sato, T. Nochi, T. Imai, N. Koyanagi, <u>J. Kunisawa</u> , Y. Kawaguchi, and H. Kiyono	Vaginal memory T cells induced by intranasal vaccination are critical for protective T cell recruitment and prevention of genital HSV-2 disease	J Virol	88	13699-708	2014
<u>J. Kunisawa</u> , E. Hashimoto, A. Inoue, R. Nagasawa, Y. Suzuki, I. Ishikawa, S. Shikata, M. Arita, J. Aoki, and H. Kiyono	Regulation of intestinal IgA responses by dietary palmitic acid and its metabolism	J Immunol	193	1666-1671	2014
Y. Kurashima, T. Amiya, K. Fujisawa, N. Shibata, Y. Suzuki, Y. Kogure, E. Hashimoto, A. Otsuka, K. Kabashima, S. Sato, T. Sato, M. Kubo, S. Akira, K. Miyake, <u>J. Kunisawa</u> and H. Kiyono	The enzyme Cyp26b1 mediates inhibition of mast cell activation by fibroblasts to maintain skin-barrier homeostasis	Immunity	40	530-41	2014
長竹貴広、 <u>國澤 純</u>	腸管組織における多元的免疫制御システムと食物アレルギー	医学のあゆみ			2015 (印刷中)
鈴木英彦、 <u>國澤純</u>	粘膜免疫の特異性に着目したワクチンマテリアルの開発	感染・炎症・免疫			2015 (印刷中)
鈴木英彦、 <u>國澤 純</u>	CD11b陽性IgA産生細胞の誘導と機能	臨床免疫・アレルギー科	62	552-556	2014
倉島 洋介、佐藤 研、清野 宏、 <u>國澤 純</u>	DAMPsによるマウス細胞の活性化と疾患	臨床免疫・アレルギー科	62	675-679	2014
長竹 貴広、 <u>國澤 純</u>	脂質を介した腸管免疫システムの制御	医学のあゆみ	248	1019-1024	2014
近藤 昌夫、 <u>國澤 純</u>	上皮細胞を標的とした創薬研究の新展開	薬学雑誌	134	613	2014
鈴木 英彦、近藤 昌夫、八木 清仁、清野 宏、 <u>國澤 純</u>	微生物の有する粘膜組織指向性を用いた粘膜ワクチンデリバリー開発への展望	薬学雑誌	134	629-634	2014

高里 良宏、倉島 洋介、清野 宏、國 澤 純	抑制型免疫システム を利用した次世代型 抗アレルギーワクチ ンの開発	Bioindustry	6	55-60	2014
Miyake Y, Oh-hora M, <u>Yamasaki S.</u>	C-type lectin recep tor MCL forms co mplex with Mincle to facilitate its pr otein expression a nd signaling.	J. Immunol.	in press		
Motomura Y,Kanno S, Asano K,Tanak a M, Hasegawa Y, Katagiri H, Saito T, Hara H,Nishio H, Hara T, <u>Yamas aki S.</u>	Identification of pa thogenic cardiac C D11c+ macrophage s in Nod1-mediated acute coronary art eritis.	ATVB	in press		
van der Peet PLG unawan C, Torigoe S, <u>Yamasaki S</u> , W illiams SJ.	Corynomycolic acid -containing glycolip ids signal through the pattern recog nition receptor Mi ncle.	Chem Com mun (Camb)	51	5100-3	2015.
Wilson GJ, Marak alala MJ, Hoving JC, van Laarhoven A, Drummond RA , Kerscher B,Keeto n R,van deVosse E , Ottenhoff THM,P lantinga TS, Alisja hbana B, Govender D, Besra GS, Net ea MG, Reid DM, Willment JA, Jaco bs M, <u>Yamasaki S</u> , van Crevel R, Bro wn GD.	The C-type lectin receptor CLECSF8 (CLEC4D) is a ke y component of an ti-mycobacterial immunity.	Cell Host Microbe	17	252-9	2015

Kanno S, Nishio H, Tanaka T, Motomura Y, Murata K, Ihara K, Onimaru M, <u>Yamasaki S</u> , Kono H, Sueishi K, Hara T.	Activation of an innate immune receptor, Nod1, accelerates atherogenesis in Apoe ^{-/-} mice.	J Immunol.	194	773-80	2015
Behler F, Maus R, Bohling J, Knippenberg S, Kirchhof G, Nagata M, Jonigk D, Izykowski N, Mägel L, Welte T, <u>Yamasaki S</u> , Maus UA.	Macrophage-inducible C-type lectin Mincle-expressing dendritic cells contribute to control of splenic Mycobacterium bovis BCG infection in mice.	Infect Immun.	83	184-96	2015
Nakamura Y, Sato K, Yamamoto H, Matsumura K, Matsumoto I, Nomura T, Miyasaka T, Ishii K, Kanno E, Tachimoto M, <u>Yamasaki S</u> , Saijo S, Iwakura Y, Kawakami K.	Dectin-2 deficiency promotes Th2 response and mucin production in the lungs after pulmonary infection with Cryptococcus neoformans.	Infect Immun.	83	671-81	2015
Phongsisay V, Iizasa E, Hara H, <u>Yamasaki S</u> .	3-O-sulfo- β -D-galactose moiety of endogenous sulfoglycolipids is a potential ligand for immunoglobulin-like receptor LMIR5.	Mol Immunol.	63	595-9	2015
Yonekawa A, Saijo S, Hoshino Y, Miyake Y, Ishikawa E, Suzukawa M, Inoue H, Tanaka M, Yoneyama M, Ohnohara M, Akashi K, <u>Yamasaki S</u> .	Dectin-2 is a direct receptor for mannose-capped lipooligosaccharide of Mycobacterium tuberculosis.	Immunity	41	402-13	2014