

## 環境医学研究所 研究業績 (2016 年)

---

1. Aizawa Y, Shirai T, Kobayashi T, Hino O, Tsujii Y, Inoue H, Kazami M, Tadokoro T, Suzuki T, Kobayashi K, Yamamoto Y.  
**Metabolic abnormalities induced by mitochondrial dysfunction in skeletal muscle of the renal carcinoma Eker (TSC2+/-) rat model.**  
Biosci Biotechnol Biochem. 2016; 80: 1513-9.
2. Aizawa Y, Shirai T, Kobayashi T, Hino O, Tsujii Y, Inoue H, Kazami M, Tadokoro T, Suzuki T, Kobayashi K, Yamamoto Y.  
**The tuberous sclerosis complex model Eker (TSC2+/-) rat exhibits hyperglycemia and hyperketonemia due to decreased glycolysis in the liver.**  
Arch Biochem Biophys. 2016; 590: 48-55.
3. Amano K, Nishizawa D, Mieda T, Tsujita M, Kitamura A, Hasegawa J, Inada E, Hayashida M, Ikeda K.  
**Opposite associations between the rs3845446 single-nucleotide polymorphism of the cacna1e gene and postoperative pain-related phenotypes in gastrointestinal surgery versus previously reported orthognathic surgery.**  
J Pain. 2016; 17: 1126-34.
4. Ando I, Karasawa K, Matsuda H, Tanaka A.  
**Changes in serum NGF levels after the exercise load in dogs: a pilot study.**  
J Vet Med Sci. 2016; 78: 1709-12.
5. Bae Y, Izuhara K, Ohta S, Ono J, Hong GU, Ro JY, Park GH, Choi JH.  
**Periostin and Interleukin-13 Are Independently Related to Chronic Spontaneous Urticaria. Allergy Asthma**  
Immunol Res. 2016; 8: 457-60.
6. Chiba T, Nakahara T, Hashimoto-Hachiya A, Yokomizo T, Uchi H, Furue M.  
**The leukotriene B4 receptor BLT2 protects barrier function via actin polymerization with phosphorylation of myosin phosphatase target subunit 1 in human keratinocytes.**

Exp Dermatol. 2016; 25: 532-6.

7. Degendorfer G, Chuang CY, Kawasaki H, Hammer A, Malle E, Yamakura F, Davies MJ.  
**Peroxynitrite-mediated oxidation of plasma fibronectin.**  
Free Radic Biol Med. 2016; 97: 602-15.
8. Demirkhanyan L, Uchida K, Tominaga M, Zakharian E.  
**TRPM3 gating in planar lipid bilayers defines peculiar agonist specificity.**  
Channels. 2016; 22: 1-3.
9. Dhami S, Nurmatov U, Agache I, Lau S, Muraro A, Jutel M, Roberts G, Akdis C, Bonini M, Calderon M, Casale T, Cavkaytar O, Cox L, Demoly P, Flood B, Hamelmann E, Izuhara K, Kalayci Ö, Kleine-Tebbe J, Nieto A, Papadopoulos N, Pfaar O, Rosenwasser L, Ryan D, Schmidt-Weber C, Szeffler S, Wahn U, van Wijk RG, Wilkinson J, Sheikh A.  
**Allergen immunotherapy for allergic asthma: protocol for a systematic review.**  
Clin Transl Allergy. 2016; 6: 5.
10. Dong X, Kashio M, Peng G, Wang X, Tominaga M, Kadowaki T.  
**Isoform-specific modulation of the chemical sensitivity of conserved TRPA1 channel in the major honeybee ectoparasitic mite, *Tropilaelaps mercedesae*.**  
Open Biol. 2016; 6: 160042.
11. Endo S, Yoshitake H, Tsukamoto H, Matsuura H, Kato K, Sakuraba M, Takamori K, Fujiwara H, Takeda S, Araki Y.  
**TEX101, a glycoprotein essential for sperm fertility, is required for stable expression of Ly6k on testicular germ cells.**  
Sci Rep. 2016; 6: 23616.
12. Fujishima H, Okada N, Matsumoto K, Fukagawa K, Igarashi A, Matsuda A, Ono J, Ohta S, Mukai H, Yoshikawa M, Izuhara K.  
**The usefulness of measuring tear periostin for the diagnosis and management of ocular allergic diseases.**  
J Allergy Clin Immunol. 2016; 138: 459-67.

13. Fujiwara H, Araki Y, Imakawa K, Saito S, Daikoku T, Shigeta M, Kanzaki H, Mori T.  
**Dual positive regulation of embryo implantation by endocrine and immune systems - Step-by-Step maternal recognition of the developing embryo.**  
Am J Reprod Immunol. 2016; 75: 281-9.
14. Fukaura R, Takeichi T, Okuno Y, Kojima D, Kono M, Sugiura K, Suga Y, Akiyama M.  
**Striate Palmoplantar Keratoderma Showing Transgrediens in a Patient Harboring Heterozygous Nonsense Mutations in Both DSG1 and SERPINB7.**  
Acta Derm Venereol. 2016; 97: 399-401.
15. Fukunaga I, Fujimoto A, Hatakeyama K, Aoki T, Nishikawa A, Noda T, Minowa O, Kurebayashi N, Ikeda K, Kamiya K.  
**In Vitro Models of GJB2-Related Hearing Loss Recapitulate Ca<sup>2+</sup> Transients via a Gap Junction Characteristic of Developing Cochlea.**  
Stem cell reports. 2016; 7: 1023-36.
16. Furukawa M, Hayashi C, Narabayashi O, Kasai M, Okada H, Haruyama T, Minekawa A, Iizuka T, Ikeda K.  
**Surgical Management of Myringosclerosis over an Entire Perforated Tympanic Membrane by Simple Underlay Myringoplasty.**  
Int J Otolaryngol. 2016; 2016: 2894932.
17. Gowda BS, Usuki S, Mostafa H, Murai Y, Igarashi Y, Monde K.  
**Highly Efficient Preparation of Sphingoid Bases from Glucosylceramides by Chemoenzymatic Method.**  
J Lipid Res. 2016; 57: 325-31.
18. Gupta R, Saito S, Mori Y, Itoh S, Okumura H, Tominaga M.  
**Structural basis of TRPA1 inhibition by HC-030031 utilizing species-specific differences.**  
Sci Rep. 2016; 6: 37460.
19. Hamamura K, Nonaka D, Ishikawa H, Banzai M, Yanagida M, Nojima M, Yoshida K, Lee LJ, Tanaka K, Takamori K, Takeda S, Araki Y.  
**Simple quantitation for potential serum disease biomarker peptides, primarily**

**identified by a peptidomics approach in the serum with hypertensive disorders of pregnancy.**

Ann Clin Biochem. 2016; 53: 85-96.

20. Hashiguchi M, Suzuki K, Kaneko K, Nagaoka I.  
**Evaluation of the effect of aloe-emodin on the proliferation and apoptosis of human synovial MH7A cells; a comparison with methotrexate.**  
Mol Med Rep. 2016; in press.
21. Hayashi K, Tabe Y, Miida T.  
**Impact of clotting condition on the measurement of circulating microRNAs in serum.**  
Clin Lab. 2016; 62: 471-5.
22. Hayashi M, Madokoro H, Yamada K, Nishida H, Morimoto C, Sakamoto M, Yamada T.  
**A humanized anti-CD26 monoclonal antibody inhibits cell growth of malignant mesothelioma via retarded G2/M cell cycle transition.**  
Cancer Cell Int. 2016; 30: 16-35.
23. Hijioka M, Anan J, Ishibashi H, Kurauchi Y, Hisatsune A, Seki T, Koga T, Yokomizo T, Shimizu T, Katsuki H.  
**Inhibition of Leukotriene B4 Action Mitigates Intracerebral Hemorrhage-Associated Pathological Events in Mice.**  
J Pharmacol Exp Ther. 2016; 360: 399-408.
24. Hinks T, Brown T, Lau LCK, Rupani H, Barber C, Elliott S, Ward JA, Ono J, Ohta S, Izuhara K, Djukanović R, Kurukulaaratchy R, Chauhan A, Howarth PH.  
**Multidimensional endotyping in severe asthma reveals inflammatory heterogeneity in MMPs and YKL-40.**  
J Allergy Clin Immunol. 2016; 138: 61-75.
25. Hirosawa M, Hayakawa K, Yoneda C, Arai D, Shiota H, Suzuki T, Tanaka S, Dohmae N, Shiota K.  
**Novel O-GlcNAcylation on Ser40 of canonical H2A isoforms specific to viviparity.**  
Sci Rep. 2016; 6: 31785.

26. Hori N, Narita M, Yamashita A, Horiuchi H, Hamada Y, Kondo T, Watanabe M, Igarashi K, Kawata M, Shibasaki M, Yamazaki M, Kuzumaki N, Inada E, Ochiya T, Iseki M, Mori T, Narita M.  
**Changes in the expression of IL-6-mediated microRNAs in the dorsal root ganglion under neuropathic pain in mice.**  
Synapse. 2016; 70: 317-24.
27. Horiuchi Y, Tabe Y, Kasuga K, Maenoh I, Idei M, Horii T, Miida T, Ohsaka A.  
**The efficacy of an internet-based e-learning system using the CellaVision Competency Software for continuing professional development.**  
Clin Chem Lab Med. 2016; 54: e127-31.
28. Hosokawa K, Ohnishi-Wada T, Sameshima-Kaneko H, Nagasato T, Miura N, Kikuchi K, Koide T, Maruyama I, Urano T.  
**Plasminogen activator inhibitor type 1 in platelets induces thrombogenicity by increasing thrombolysis resistance under shear stress in an in-vitro flow chamber model.**  
Thromb Res. 2016; 146: 69-75.
29. Hu Z, Murakami T, Suzuki K, Tamura H, Reich J, Kuwahara-Arai K, Iba T, Nagaoka I.  
**Antimicrobial cathelicidin peptide LL-37 inhibits the pyroptosis of macrophages and improves the survival of polybacterial septic mice.**  
Int Immunol. 2016; 28: 245-53.
30. Hu Z, Nagaoka I.  
**Modulation of macrophage cell death, pyroptosis by host defense peptide LL-37.**  
Juntendo Med J. 2016; 62: 98-104.
31. Iba T, Emmi M, Hiki M, Nagayama M, Aihara K, Tabe Y, Yuri M, Ohsaka A.  
**Comparison of prothrombin time tests used in the monitoring of edoxaban and their evaluation as indicators of the reversal effect.**  
Int J Hematol. 2016; 103: 665-72.
32. Iba T, Hamakubo T, Nagaoka I, Sato K, Thachil J.

**Physiological levels of pentraxin 3 and albumin attenuate vascular endothelial cell damage Induced by histone H3 in vitro.**

Microcirculation. 2016; 23: 240-7.

33. Ichiki T, Koga T, Okuno T, Saeki K, Yamamoto Y, Yamamoto H, Sakaguchi M, Yokomizo T.  
**Modulation of leukotriene B4 receptor 1 signaling by receptor for advanced glycation end products (RAGE).**

FASEB J. 2016; 30: 1811-22.

34. Ichiki T, Koga T, Yokomizo T.  
**Receptor for Advanced Glycation End Products Regulates Leukotriene B4 Receptor 1 Signaling.**

DNA Cell Biol. 2016; 35: 747-50.

35. Idei M, Tabe Y, Hamada C, Miyake K, Takemura H, Io H, Wakita M, Horii T, Tomino Y, Ohsaka A, Miida T.  
**Pancreatic lipase activity in overnight effluent predicts high transport status in peritoneal dialysis patients.**

Clinica Chimica Acta. 2016; 462: 65-70.

36. Ikeda T, Fragiadaki M, Shi-wen Xu, Ponticos M, Khan K, Denton C, Garcia P, Bou-Gharios G, Yamakawa A, Morimoto C, Abraham D.  
**Transforming growth factor- $\beta$ -induced CUX1 isoforms are associated with fibrosis in systemic sclerosis lung fibroblasts.**

Biochem Biophys Rep. 2016; 7: 246-52.

37. Inoue S, Nakajima S, Endo M, Nagaoka I.  
**Correlation between lipid peroxide concentration in sserum and intake pattern with a focus on lipid, copper, histidine, and folic acid.**

J Jpn Mibyo System Association. 2016; 22: 15-28.

38. Inoue T, Akashi K, Watanabe M, Ikeda Y, Ashizuka S, Motoki T, Suzuki R, Sagara N, Yanagida N, Sato S, Ebisawa M, Ohta S, Ono J, Izuhara K, Katunuma T.  
**Periostin as a biomarker for diagnosis of pediatric asthma.**

Pediatr Allergy Immunol. 2016; 27: 521-6.

39. Inui K, Nakagawa K, Nishihara M, Motomura E, Kakigi R.  
**Inhibition in the human auditory cortex.**  
PLoS One. 2016; 11: e0155972.
40. Isaka S, Someya A, Nakamura S, Naito K, Nozawa M, Inoue N, Sugihara F, Nagaoka I, Kaneko K.  
**Evaluation of the effect of oral administration of collagen peptides on an experimental rat osteoarthritis model.**  
Exp Ther Med. 2016; in press.
41. Ise Y, Suga Y, Okumura K, Negi O, Ishii N, Hashimoto T.  
**Erythematous variety of bullous pemphigoid: case report and literature review.**  
Acta Derm Venereol. 2016; 96: 412-3.
42. Ishibashi C, Hayashida M, Sugawara Y, Yamaguchi K, Tomita N, Kajiyama Y, Inada E.  
**Effects of dexmedetomidine on hemodynamics and respiration in intubated, spontaneously breathing patients after endoscopic submucosal dissection for cervical esophageal or pharyngeal cancer.**  
J Anesth. 2016; 30: 628-36.
43. Ishii Y, Saeki K, Liu M, Sasaki F, Koga T, Kitajima K, Meno C, Okuno T, Yokomizo T.  
**Leukotriene B4 receptor type 2 (BLT2) enhances skin barrier function by regulating tight junction proteins.**  
FASEB J. 2016; 30: 933-47.
44. Ishizawa J, Kojima K, Chachad D, Ruvolo P, Ruvolo V, Jacamo RO, Borthakur G, Mu H, Zeng Z, Tabe Y, Allen JE, Wang Z, Ma W, Lee HC, Orłowski R, Sarbassov dos D, Lorenzi PL, Huang X, Neelapu SS, McDonnell T, Miranda RN, Wang M, Kantarjian H, Konopleva M, Davis RE, Andreeff M.  
**ATF4 induction through an atypical integrated stress response to ONC201 triggers p53-independent apoptosis in hematological malignancies.**  
Sci Signal. 2016; 9: ra17.

45. Izuhara K, Conway SJ, Moore BB, Matsumoto H, Holweg CTJ, Matthews JG, Arron JR.  
**Roles of periostin in respiratory disorders.**  
Am J Respir Crit Care Med. 2016; 193: 949-56.
46. Izuhara K, Ohta S, Ono S.  
**Using periostin as a biomarker in the treatment of asthma.**  
Allergy Asthma Immunol Res. 2016; 8: 491-8.
47. James AJ, Reinius LE, Verhoek M, Gomes A, Kupczyk M, Hammar U, Ono J, Ohta S, Izuhara K, Bel E, Kere J, Söderhäll C, Dahlén B, Boot RG, Dahlén SE.  
**BIOAIR (Longitudinal Assessment of Clinical Course and Biomarkers in Severe Chronic Airway Disease) Consortium. Increased YKL-40 and Chitotriosidase in Asthma and Chronic Obstructive Pulmonary Disease.**  
Am J Respir Crit Care Med. 2016; 193: 131-42.
48. Jang H, Makita Y, Jung K, Ishizaka S, Karasawa K, Oida K, Takai M, Matsuda H, Tanaka A.  
**Linoleic acid salt with ultrapure soft water as an antibacterial combination against dermato-pathogenic Staphylococcus spp.**  
J Appl Microbiol. 2016; 120: 280-8.
49. Jang H, Matsuda A, Jung K, Karasawa K, Matsuda K, Oida K, Ishizaka S, Ahn G, Amagai Y, Moon C, Kim SH, Arkwright PD, Takamori K, Matsuda H, Tanaka A.  
**Skin pH Is the Master Switch of Kallikrein 5-Mediated Skin Barrier Destruction in a Murine Atopic Dermatitis Model.**  
J Invest Dermatol. 2016; 136: 127-35.
50. Kaga A, Higo R, Yoshikawa H, Yokoi N, Haruyama T, Komatsu H, Yabe A, Kusunoki T, Ikeda K.  
**A case of multiple empyema caused by Streptococcus intermedius.**  
Auris nasus larynx. 2016; doi: 10.1016/j.anl.2016.10.009.
51. Kaimoto T, Hatakeyama Y, Takahashi K, Imagawa T, Tominaga M, Ohta T.  
**Involvement of transient receptor potential A1 channel in algescic and analgesic actions**



**of the organic compound limonene.**

Eur J Pain. 2016; 20: 1155-65.

52. Kamata Y, Kimura U, Matsuda H, Tengara S, Kamo A, Umehara Y, Iizumi K, Kawasaki H, Suga Y, Ogawa H, Tominaga M, Takamori K.

**Relationships among plasma granzyme B level, pruritus and dermatitis in patients with atopic dermatitis.**

J Dermatol Sci. 2016; 84: 266-71.

53. Kamo A, Tominaga M, Matsuda H, Kina K, Kamata Y, Umehara Y, Ogawa H, Takamori K.  
**Neurotropin suppresses itch-related behavior in NC/Nga mice with atopic dermatitis-like symptoms.**

J Dermatol Sci. 2016; 81: 212-5.

54. Kim M, Yoon MK, Lee YS, Izuhara K, Ohta S, Ono J, Kim JH, Ban GY, Ye YM, Park HS.  
**Clinical implication of the serum periostin level for differentiating phenotypes of NSAID hypersensitivity.**

Allergology Int. 2016; 65: 492-4.

55. Kitatani K, Iwabuchi K, Snider A, Riboni L.  
**Sphingolipids in Inflammation: From Bench to Bedside.**

Mediators of Inflamm. 2016; 2016: 7602526.

56. Ko KC, Tominaga M, Kamata Y, Umehara Y, Matsuda H, Takahashi N, Kina K, Ogawa M, Ogawa H, Takamori K.

**Possible anti-pruritic mechanisms of cyclosporine A in atopic dermatitis.**

Acta Derm Venereol. 2016; 96: 624-9.

57. Kobayashi M, Cassia VM, Kanazawa S, Yamaguchi MK, Kakigi R.  
**Perceptual narrowing towards adult faces is a cross-cultural phenomenon in infancy: A behavioral and near-infrared spectroscopy study with Japanese infants.**

Dev Sci. 2016; doi: 10.1111/desc.12498.

58. Kojo K, Ito Y, Eshima K, Nishizawa N, Ohkubo H, Yokomizo T, Shimizu T, Watanabe M,

Majima M.

**BLT1 signalling protects the liver against acetaminophen hepatotoxicity by preventing excessive accumulation of hepatic neutrophils.**

Sci Rep. 2016; 6: 29650.

59. Koyanagi S, Kusunose N, Taniguchi M, Akamine T, Kanado Y, Ozono Y, Masuda T, Kohro Y, Matsunaga N, Tsuda M, Salter MW, Inoue K, Ohdo S.

**Glucocorticoid regulation of ATP release from spinal astrocytes underlies diurnal exacerbation of neuropathic mechanical allodynia.**

Nat Commun. 2016; 7: 13102.

60. Kubomura D, Ueno T, Yamada M, Nagaoka I.

**Evaluation of the chondroprotective action of N-acetylglucosamine on a rat experimental osteoarthritis model.**

Exp Ther Med. 2016; in press.

61. Kubomura D, Ueno T, Yamada M, Tomonaga A, Nagaoka I.

**Effect of N-acetylglucosamine administration on cartilage metabolism and safety in healthy subjects without symptoms of arthritis: a randomized, double-blind, placebo-controlled study.**

Exp Ther Med. 2016; in press.

62. Kumada H, Miyakawa H, Muramatsu T, Ando N, Oh T, Takamori K, Nakamoto H.

**Efficacy of nalfurafine hydrochloride in patients with chronic liver disease with refractory pruritus: a randomized, double-blind trial.**

Hepato Res. 2016; doi: 10.1111/hepr.12830.

63. Kuroki T, Tanaka R, Shimada Y, Yamashiro K, Ueno Y, Shimura H, Urabe T, Hattori N.

**Exendin-4 inhibits matrix metalloproteinase-9 activation and reduces infarct growth after focal cerebral ischemia in hyperglycemic mice.**

Stroke. 2016; 47: 1328-35.

64. Kusube F, Tominaga M, Kawasaki H, Yamakura F, Naito H, Ogawa H, Tomooka Y, Takamori K.

**Electrophysiological properties of brain-natriuretic peptide- and gastrin-releasing peptide-responsive dorsal horn neurons in spinal itch transmission.**

Neuroscience Letters. 2016; 627: 51-60.

65. Masuda T, Ozono Y, Mikuriya S, Kohro Y, Tozaki-Saitoh H, Iwatsuki K, Uneyama H, Ichikawa R, Salter MW, Tsuda M, Inoue K.

**Dorsal horn neurons release extracellular ATP in a VNUT-dependent manner that underlies neuropathic pain.**

Nat Commun. 2016; 7: 12529.

66. Masuda T, Tsuda M, Inoue K.

**Transcriptional regulation in microglia and neuropathic pain.**

Pain Manag. 2016; 6: 91-4.

67. Matsubayashi M, Kawahara F, Hatta T, Yamagishi J, Miyoshi T, Anisuzzaman, Sasai K, Isobe T, Kita K, Tsuji N.

**Transcriptional profiles of virulent and precocious strains of Eimeria tenella at sporozoite stage; novel biological insight into attenuated asexual development.**

Infect Genet Evol. 2016; 40: 54-62.

68. Matsuda K, Orito K, Amagai Y, Jang H, Matsuda H, Tanaka A.

**Swing time ratio, a new parameter of gait disturbance, for the evaluation of the severity of neuropathic pain in a rat model of partial sciatic nerve ligation.**

J Pharmacol Toxicol Methods. 2016; 79: 7-14.

69. Matsumoto F, Ohba S, Fujimaki M, Ikeda K.

**The value of insulin-like growth factor-1 receptor for predicting early glottic carcinoma response to radiotherapy.**

Auris nasus larynx. 2016; 43: 440-5.

70. Matsumoto H, Sato Y, Horie A, Suginami K, Tani H, Hattori A, Araki Y, Kagami K, Konishi I, Fujiwara H.

**CD9 suppresses human extravillous trophoblast invasion.**

Placenta. 2016; 47: 105-12.

71. Matsumura Y, Yamashita T, Sasaki A, Nakata E, Kohno K, Masuda T, Tozaki-Saitoh H, Imai T, Kuraishi Y, Tsuda M, Inoue K.  
**A novel P2X4 receptor-selective antagonist produces anti-allodynic effect in a mouse model of herpetic pain.**  
Sci Rep. 2016; 6: 324617.
72. Matsunaga N, Ikeda E, Kakimoto K, Watanabe M, Shindo N, Tsuruta A, Ikeyama H, Hamamura K, Higashi K, Yamashita T, Kondo H, Yoshida Y, Matsuda M, Ogino T, Tokushige K, Itcho K, Furuichi Y, Nakao T, Yasuda K, Doi A, Amamoto T, Aramaki H, Tsuda M, Inoue K, Ojida A, Koyanagi S, Ohdo S.  
**Inhibition of G0/G1 Switch 2 Ameliorates Renal Inflammation in Chronic Kidney Disease.**  
EBioMedicine. 2016; S2352-3964: 30463-7.
73. Matsuoka S, Ishii Y, Nakao A, Abe M, Ohtsuji N, Momose S, Jin H, Arase H, Sugimoto K, Nakauchi Y, Masutani H, Maeda M, Yagita H, Komatsu N, Hino O.  
**Establishment of a therapeutic anti-Pan HLA-class II monoclonal antibody that directly induces lymphoma cell death via large pore formation.**  
PLoS One. 2016; 11: e0150496.
74. Mikami D, Sakai S, Sasaki S, Igarashi Y.  
**Effects of Asterias amurensis-derived sphingoid bases on the de novo ceramide synthesis in cultured normal human epidermal keratinocytes.**  
J Oleo Sci. 2016; 65: 671-80.
75. Misaki K, Takamura-Enya T, Ogawa H, Takamori K, Yanagida M.  
**Tumor-promoting activity of polycyclic aromatic hydrocarbons and their oxygenated or nitrated derivatives.**  
Mutagenesis. 2016; 31: 205-13.
76. Mitome-Mishima Y, Oishi H, Yamamoto M, Yatomi K, Nonaka S, Miyamoto N, Urabe T, Arai H.  
**Differences in tissue proliferation and maturation between Matrix2 and bare platinum**

**coil embolization in experimental swine aneurysms.**

J Neuroradiol. 2016; 43: 43-50.

77. Miyamoto M, Takano M, Aoyama T, Soyama H, Kato M, Yoshikawa T, Shibutani T, Matsuura H, Goto T, Sasa H, Nagaoka I, Furuya K.

**Is modified radical hysterectomy needed for patients with clinical stage I/II endometrial cancers? A historical control study.**

Oncology. 2016; 90: 179-85.

78. Miyashita T, Morimoto S, Fujishiro M, Hayakawa K, Suzuki S, Ikeda K, Miyazawa K, Morioka M, Takamori K, Ogawa H, Sekigawa I, Takasaki Y.

**Inhibition of each module of connective tissue growth factor as a potential therapeutic target for rheumatoid arthritis.**

Autoimmunity. 2016; 49: 109-14.

79. Mizutani N, Abe M, Matsuoka S, Kajino K, Wakiya M, Ohtsuji N, Morimoto C, Hatano R, Hino O.

**Establishment of anti-mesothelioma monoclonal antibodies.**

BMC Res Notes. 2016; 9: 324.

80. Morita T, Kosaka H, Saito DN, Fuji T, Ishitobi M, Munesue T, Inohara K, Okazawa H, Kakigi R, Sadato N.

**Neural correlates of emotion processing during observed self-face recognition in individuals with autism spectrum disorders.**

Res Autism Spectr Disord. 2016; 26: 16-32.

81. Motogi J, Sugiyama Y, Laakso I, Hirata A, Inui, K, Tamura M, Muragaki Y.

**Why intra-epidermal electrical stimulation achieves stimulation of small fibres selectively: A simulation study.**

Physic Med Biol. 2016; 61:4479-90.

82. Murakami T, Hu Z, Tamura H, Nagaoka I.

**Release mechanism of high mobility group nucleosome binding protein 1 from lipopolysaccharide-stimulated macrophages.**

Mol Med Rep. 2016; 13: 3115-20.

83. Nagaoka I.  
**Have host defense peptides been acting in innate immunity since the trilobites of the Cambrian period 540 million years ago?**  
Juntendo Med J. 2016; 62: 96-7.
84. Nakagawa K, Mochizuki H, Koyama S, Tanaka S, Sadato N, Kakigi R.  
**A transcranial direct current stimulation over the sensorimotor cortex modulates the itch sensation induced by histamine.**  
Clin Neurophysiol. 2016; 127: 827-32.
85. Nakaya M, Watari K, Tajima M, Nakaya T, Matsuda S, Ohara H, Nishihara H, Yamaguchi H, Hashimoto A, Nishida M, Nagasaka A, Horii Y, Ono H, Iribe G, Inoue R, Tsuda M, Inoue K, Tanaka A, Kuroda M, Nagata S, Kurose H.  
**Cardiac myofibroblast engulfment of dead cells facilitates recovery after myocardial infarction.**  
J Clin Invest. 2016; 127: 383-401.
86. Nakayama H, Kurihara H, Morita YS, Kinoshita T, Mauri L, Prinetti A, Sonnino S, Yokoyama N, Ogawa H, Takamori K, Iwabuchi K.  
**Lipoarabinomannan binding to lactosylceramide in lipid rafts is essential for the phagocytosis of mycobacteria by human neutrophils.**  
Sci Signal. 2016; 9: ra101.
87. Noguchi A, Tominaga M, Takahashi N, Matsuda H, Kamata Y, Umehara Y, Ko KC, Suga Y, Ogawa H, Takamori K.  
**Differences in therapeutic effects of topically applied corticosteroid and tacrolimus on atopic dermatitis-like symptoms in NC/Nga mice.**  
J Dermatol Sci. 2016; 86: 54-62.
88. Nomura S, Iwata S, Hatano R, Komiya E, Dang NH, Iwao N, Ohnuma K, Morimoto C.  
**Inhibition of VEGF-dependent angiogenesis by the anti-CD82 monoclonal antibody 4F9 through regulation of lipid raft microdomains.**

Biochem Biophys Res Commun. 2016; 20: 111-7.

89. Nonobe Y, Yokoyama T, Kamikubo Y, Yoshida S, Hisajima N, Shinohara H, Shiraishi Y, Sakurai T, Tabata T.  
**Application of surface plasmon resonance imaging to monitoring G protein-coupled receptor signaling and its modulation in a heterologous expression system.**  
BMC Biotechnol. 2016; 16: 36.
90. Oba J, Nakahara T, Hashimoto-Hachiya A, Liu M, Abe T, Hagihara A, Yokomizo T, Furue M.  
**CD10-Equipped Melanoma Cells Acquire Highly Potent Tumorigenic Activity: A Plausible Explanation of Their Significance for a Poor Prognosis.**  
PLoS One. 2016; 11: e0149285.
91. Ochiishi T, Doi M, Yamasaki K, Hirose K, Kitamura A, Urabe T, Hattori N, Kinjo M, Ebihara T, Shimura H.  
**Development of new fusion proteins for visualizing amyloid- $\beta$  oligomers in vivo.**  
Sci Rep. 2016; 6: 22712.
92. Ohba S, Yokoyama J, Kojima M, Fujimaki M, Anzai T, Komatsu H, Ikeda, K.  
**Significant preservation of swallowing function in chemoradiotherapy for advanced head and neck cancer by prophylactic swallowing exercise.**  
Head & neck. 2016; 38: 517-21.
93. Ohnuma K, Hatano R, Itoh T, Iwao N, Dang NH, Morimoto C.  
**Role of IL-26+CD26+CD4 T Cells in Pulmonary Chronic Graft-Versus-Host Disease and Treatment with Caveolin-1-Ig Fc Conjugate.**  
Crit Rev Immunol. 2016; 36: 239-67.
94. Okuda H, Noguchi A, Kobayashi H, Kondo D, Harada K, Youssefian S, Shioi H, Domon Y, Kubota K, Kitano Y, Takayama Y, Hitomi T, Ohno K, Saito Y, Asano T, Tominaga M, Takahashi T, Koizumi A.  
**Infantile pain episodes associated with novel Nav1.9 mutations in familial episodic pain syndrome in Japanese families.**  
PLoS One. 2016; 11: e0154827.

95. Omata Y, Nakamura S, Koyama T, Yasui T, Hirose J, Izawa N, Matsumoto T, Imai Y, Seo S, Kurokawa M, Tsutsumi S, Kadono Y, Morimoto C, Aburatani H, Miyamoto T, Tanaka S.  
**Identification of Nedd9 as a TGF- $\beta$ -Smad2/3 Target Gene Involved in RANKL-induced Osteoclastogenesis by Comprehensive Analysis.**  
PLoS One. 2016; 11: e0157992.
96. Peng G, Kashio M, Li T, Dong X, Tominaga M, Kadowaki T.  
**TRPA1 channels in Drosophila and honey bee ectoparasitic mites share heat sensitivity and temperature-related physiological functions.**  
Front Physiol. 2016; 7: 447.
97. Saito S, Murai U, Usuki S, Yoshida M, Hammam MAS, Mitsutake S, Yuyama K, Igarashi Y, Monde K.  
**Efficient Synthesis of Novel and Nontoxic Fluorous Sphingolipids as Molecular Probes of Exogenous Metabolic Studies for Rapid Enrichment by FSPE.**  
Eur J Org Chem. 2016; in press.
98. Saito S, Ohkita M, Saito C, Takahashi K, Tominaga M, Ohta T.  
**Evolution of heat sensors drove shifts in thermosensation between Xenopus species adapted to different thermal niches.**  
J Biol Chem. 2016; 291: 11446-59.
99. Saji N, Kimura K, Tateishi Y, Fujimoto S, Kaneko N, Urabe T, Tsujino A, Iguchi Y, daVinci Study Group.  
**Safety and efficacy of non-vitamin K oral anticoagulant treatment compared with warfarin in patients with non-valvular atrial fibrillation who develop acute ischemic stroke or transient ischemic attack: a multicenter prospective cohort study (daVinci study).**  
J Thromb Thrombolysis. 2016; 42: 453-62.
100. Sawada Y, Sugimoto A, Hananouchi T, Sato N, Nagaoka I.  
**Evaluation of the efficacy of Ajuga decumbens extract supplement in individuals with knee discomfort associated with physical activity: a randomized, double-blind, placebo-**



**controlled study.**

Exp Ther Med. 2016 (in press)

101. Sekiguchi H, Suzuki T, Sakai S, Takahashi K, Hayashida S, Sutoh K, Usumi K, Katsumata Y, Igarashi Y.  
**A Study of Safety and Skin Improvement Effect of Beverage Containing Extracted Glucosylceramide from Tamogitake (*Pleurotus cornucopiae* var. *citrinopileatus*).**  
Trace Nutrients Research. 2016; 33: 21-30.
102. Sekiya K, Fukushima M, Teismann H, Lagemann L, Kakigi R, Pantev C, Okamoto H.  
**Neuro-rehabilitation approach for sudden sensorineural hearing loss.**  
J Vis Exp. 2016; e53264.
103. Shigematsu M, Koga T, Ishimori A, Saeki K, Ishii Y, Taketomi Y, Ohba M, Jo-Watanabe A, Okuno T, Harada N, Harayama T, Shindou H, Li JD, Murakami M, Hoka S, Yokomizo T.  
**Leukotriene B4 receptor type 2 protects against pneumolysin-dependent acute lung injury.**  
Sci Rep. 2016; 6: 34560.
104. Shimizu T, Yamakuchi M, Biswas KK, Aryal B, Yamada S, Hashiguchi T, Maruyama I.  
**HMGB1 is secreted by 3T3-L1 adipocytes through JNK signaling and the secretion is partially inhibited by adiponectin.**  
Obesity (Silver Spring). 2016; 24: 1913-21.
105. Shoji K, Yoneda M, Fujiyuki T, Amagai Y, Tanaka A, Matsuda A, Ogihara K, Naya Y, Ikeda F, Matsuda H, Sato H, Kai C.  
**Development of new therapy for canine mammary cancer with recombinant measles virus.**  
Mol Ther Oncolytics. 2016; 3: 5022.
106. Someya A, Ikegami T, Sakamoto K, Nagaoka I.  
**Glucosamine downregulates the IL-1 $\beta$ -Induced expression of proinflammatory cytokine genes in human synovial MH7A cells by O-GlcNAc modification-dependent and -independent mechanisms.**

PLoS One. 2016; 11: e0165158.

107. Sueyoshi K, Sumi Y, Inoue Y, Kuroda Y, Ishii K, Nakayama H, Iwabuchi K, Kurishita Y, Shigemitsu H, Hamachi I, Tanaka H.  
**Fluorescence imaging of ATP in neutrophils from patients with sepsis using organelle-localizable fluorescent chemosensors.**  
Ann Intensive Care. 2016; 6: 64.
108. Sugimoto M, Shimizu Y, Zhao S, Ukon N, Nishijima K, Wakabayashi M, Yoshioka T, Higashino K, Numata Y, Okuda T, Tamaki N, Hanamatsu H, Igarashi Y, Kuge Y.  
**Characterization of the role of sphingomyelin synthase 2 in glucose metabolism in whole-body and peripheral tissues in mice.**  
Biochim Biophys Acta. 2016; 1861(8 Pt A): 688-702.
109. Sugimoto M, Wakabayashi M, Shimizu Y, Yoshioka T, Higashino K, Numata Y, Okuda T, Zhao S, Sakai S, Igarashi Y, Kuge Y.  
**Imaging Mass Spectrometry Reveals Acyl-Chain- and Region-Specific Sphingolipid Metabolism in the Kidneys of Sphingomyelin Synthase 2-Deficient Mice.**  
PLoS One. 2016; 11: e015219111.
110. Sugiyama A, Kanno K, Nishimichi N, Ohta S, Ono J, Conway SJ, Izuhara K, Yokosaki Y, Tazuma S.  
**Periostin promotes hepatic fibrosis in mice by modulating hepatic stellate cell activation via  $\alpha v$  integrin interaction.**  
J Gastroenterol. 2016; 51: 1161-74.
111. Sun W, Uchida K, Suzuki Y, Zhou Y, Kim M, Takayama Y, Takahashi N, Goto T, Wakabayashi S, Kawada T, Iwata Y, Tominaga M.  
**Lack of TRPV2 impairs thermogenesis in mouse brown adipose tissue.**  
EMBO Rep. 2016; 17: 383-99.
112. Sun W, Uchida K, Takahashi N, Iwata Y, Wakabayashi S, Goto T, Kawada T, Tominaga M.  
**Activation of TRPV2 negatively regulates the differentiation of mouse brown adipocytes.**  
Pflüger Archiv.

Eur J Physiol. 2016; 468: 1527-40.

113. Sun W, Uchida K, Tominaga M.  
**TRPV2 regulates BAT thermogenesis and differentiation.**  
Channels. 2016; 29: 1-3.
114. Suzuki K, Murakami T, Hu Z, Tamura H, Kuwahara-Arai K, Iba T, Nagaoka I.  
**Human host defense cathelicidin peptide LL-37 enhances the lipopolysaccharide uptake by liver sinusoidal endothelial cells without cell activation.**  
J Immunol. 2016; 196: 1338-47.
115. Suzuki K, Nagaoka I.  
**The effect of human host defense peptide LL-37 on endothelial cells.**  
Juntendo Med J. 2016; 62: 105-11.
116. Suzuki M, Cao K, Kato S, Komizu Y, Mizutani N, Tanaka K, Arima C, Tai MC, Yanagisawa K, Togawa N, Shiraishi T, Usami N, Taniguchi T, Fukui T, Yokoi K, Wakahara K, Hasegawa Y, Mizutani Y, Igarashi Y, Inokuchi J, Iwaki S, Fujii S, Satou A, Matsumoto Y, Ueoka R, Tamiya-Koizumi K, Murate T, Nakamura M, Kyogashima M, Takahashi T.  
**Targeting CERS6-dependent Metastasis-prone Phenotype in Lung Cancer Cells.**  
J Clin Invest. 2016; 126: 254-65.
117. Suzuki S, Ogawa M, Ohta S, Arima K, Nunomura S, Nanri Y, Mitamura Y, Yoshihara T, Nakamura Y, Yamauchi K, Chibana K, Ishii Y, Lee JJ, Aratani Y, Kakuta S, Kubo S, Iwakura Y, Yoshida H, Izuhara K.  
**The potential for repositioning anti-thyroid agents as anti-asthma drugs.**  
J Allergy Clin Immunol. 2016; 138: 1458-61.
118. Suzuki S, Ogawa M, Ohta S, Nunomura S, Nanri Y, Shiraishi H, Mitamura Y, Yoshihara T, Lee JJ, Izuhara K.  
**Induction of airway allergic inflammation by hypothiocyanite via epithelial cells.**  
J Biol Chem. 2016; 291: 27219-27.
119. Suzuki Y, Chin WX, Han Q, Ichiyama K, Lee CH, Eyo ZW, Ebina H, Takahashi H, Takahashi

C, Tan BH, Hishiki T, Ohba K, Matsuyama T, Koyanagi Y, Tan YJ, Sawasaki T, Chu JJ, Vasudevan SG, Sano K, Yamamoto N.

**Characterization of RyDEN (C19orf66) as an Interferon-Stimulated Cellular Inhibitor against Dengue Virus Replication.**

PLoS Pathog. 2016; 12: e1005357.

120. Tabe Y, Hatanaka Y, Nakashiro M, Sekihara K, Yamamoto S, Matsushita H, Kazuno S, Fujimura T, Ikegami T, Nakanaga K, Matsumoto H, Ueno T, Aoki J, Yokomizo T, Konopleva M, Andreeff M, Miida T, Iwabuchi K, Sasai K.

**Integrative genomic and proteomic analyses identifies glycerol-3-phosphate acyltransferase as a target of low-dose ionizing radiation in EBV infected-B cells.**

Int J Radiat Biol. 2016; 92: 24-34.

121. Tachibana T, Yoshida S, Kobayashi Y, Nakama T, Ishikawa K, Nakao S, Izuhara K, Kono T, Ishibashi T.

**Reduced vitreal concentration of periostin after vitrectomy in patients with proliferative diabetic retinopathy.**

Acta Ophthalmologica. 2016; 94: e81-2.

122. Tada H, Shimizu T, Nagaoka I, Takada H.

**Vitamin D3 analog maxacalcitol (OCT) induces hCAP-18/LL-37 production in human oral epithelial cells.**

Biomed Res. 2016; 37: 199-205.

123. Tajiri T, Matsumoto H, Gon Y, Ito R, Hashimoto S, Izuhara K, Suzukawa M, Ohta K, Ono J, Ito I, Oguma T, Inoue H, Iwata T, Nagasaki T, Kanemitsu T, Niimi A, Mishima M.

**Serum periostin and free IgE levels in the responsiveness to omalizumab in patients with severe asthma.**

Allergy. 2016; 71: 1472-9.

124. Takaishi M, Uchida K, Suzuki Y, Matsui H, Shimada T, Fujita F, Tominaga M.

**Reciprocal effects of capsaicin and menthol on thermo-sensation through regulated activities of TRPV1 and TRPM8.**

J Physiol Sci. 2016; 66: 143-55.

125. Takamiya S, Hashimoto M, Mita T, Yokota T, Nakajima Y, Yamakura F, Sugio S, Fujimura T, Ueno T, Yamasaki H.  
**Bioinformatic identification of cytochrome b5 homologues from the parasitic nematode *Ascaris suum* and the free-living nematode *Caenorhabditis elegans* highlights the crucial role of *A. suum* adult-specific secretory cytochrome b5 in parasitic adaptation.**  
*Parasitol Inter.* 2016; 65: 113-20.
126. Takamori K, Tominaga M, Kamata Y, Kamo A, Umehara Y, Negi O, Suga Y.  
**Mechanisms and managements of intractable itch in atopic dermatitis.**  
*Juntendo Med J.* 2016; 62: 285-9.
127. Tamura H, Reich J, Nagaoka I.  
**Bacterial endotoxin assays relevant to host defense peptides.**  
*Juntendo Med J.* 2016; 62: 132-40.
128. Tan DQ, Zhang L, Ohba K, Ye M, Ichiyama K, Yamamoto N.  
**Macrophage response to oncolytic paramyxoviruses potentiates virus-mediated tumor cell killing.**  
*Eur J Immunol.* 2016; 46: 919-28.
129. Tanahashi M, Motomura E, Inui K, Ohoyama K, Tanii H, Konishi Y, Shiroyama T, Nishihara M, Kakigu R, Okada M.  
**Auditory change-related cerebral responses and personality traits.**  
*Neurosci Res.* 2016; 103: 31-9.
130. Tancharoen S, Gando S, Binita S, Nagasato T, Kikuchi K, Nawa Y, Dararat P, Yamamoto M, Narkpinit S, Maruyama I.  
**HMGB1 Promotes Intraoral Palatal Wound Healing through RAGE-Dependent Mechanisms.**  
*Int J Mol Sci.* 2016; 17.
131. Tani R, Hayakawa K, Tanaka S, Shiota K.  
**Linker histone variant H1T targets rDNA repeats.**

Epigenetics. 2016; 11: 288-302.

132. Taniguchi M, Tasaki T, Ninomiya H, Ueda Y, Kuremoto K, Mitsutake S, Igarashi Y, Okazaki T, Takegami T.  
**Sphingomyelin generated by sphingomyelin synthase 1 is involved in attachment and infection with Japanese encephalitis virus.**  
Sci Rep. 2016; 6: 37829.
133. Teye K, Suga Y, Numata S, Soejima M, Ishii N, Krol RP, Ohata C, Matsuda M, Honma M, Ishida-Yamamoto A, Hamada T, Koda Y, Hashimoto T.  
**A founder deletion of corneodesmosin gene is prevalent in Japanese patients with peeling skin disease: identification of 2 new cases.**  
J Dermatol Sci. 2016; 82: 134-7.
134. Tomonaga A, Fukagawa M, Ikeda H, Hori T, Ohkawara M, Nagaoka I.  
**Evaluation of the effect of the administration of an N-acetyl-glucosamine-containing green tea supplement on biomarkers for cartilage metabolism in healthy individuals without symptoms of arthritis: a randomized double-blind placebo-controlled clinical study.**  
Functional Foods in Health and Disease. 2016; 6: 788-808.
135. Tomonaga A, Takahashi T, Tsuda-Tanaka Y, Tsuboi M, Ito K, Nagaoka I.  
**Evaluation of the effect of the administration of salmon nasal proteoglycan on biomarkers for cartilage metabolism in individuals with knee joint discomfort: a randomized double-blind placebo-controlled clinical study.**  
Exp Ther Med. 2016 (in press)
136. Tomonaga A, Watanabe K, Fukagawa M, Suzuki A, Kurokawa M, Nagaoka I.  
**Evaluation of the effect of N-acetyl-glucosamine administration on biomarkers for cartilage metabolism in healthy individuals without symptoms of arthritis: a randomized double-blind placebo-controlled clinical study.**  
Exp Ther Med. 2016; 12: 1481-9.
137. Torigoe K, Tominaga M, Ko KC, Takahashi N, Matsuda H, Hayashi R, Ogawa H, Takamori

K.

**Intrathecal minocycline suppresses itch-related behavior and improves dermatitis in atopic dermatitis model mouse.**

J Invest Dermatol. 2016; 136: 879-81.

138. Tsuda M, Inoue K.

**Neuron-microglia interaction by purinergic signaling in neuropathic pain following neurodegeneration.**

Neuropharmacology. 2016; 104: 76-81.

139. Tsuda M.

**Spinal dorsal horn astrocytes: new players in chronic itch.**

Allergol Int. 2016; 66: 31-5.

140. Uchida K, Demirkhanyan L, Asuthkar S, Cohen A, Tominaga M, Zakharian E.

**Stimulation-dependent gating of TRPM3 channel in planar lipid bilayers.**

FASEB J. 2016; 30: 1306-16.

141. Ueno Y, Yamashiro K, Tanaka R, Kuroki T, Hira K, Kurita N, Urabe T, Hattori N.

**Emerging risk factors for recurrent vascular events in patients with embolic stroke of undetermined source.**

Stroke. 2016; 47: 2714-21.

142. Uomori K, Nozawa K, Ikeda K, Doe K, Yamada Y, Yamaguchi A, Fujishiro M, Kawasaki M, Morimoto S, Takamori K, Sekigawa I, Chan EK, Takasaki Y.

**A re-evaluation of anti-NA-14 antibodies in patients with primary Sjögren's syndrome: Significant role of interferon- $\gamma$  in the production of autoantibodies against NA-14.**

Autoimmunity. 2016; 49: 347-56.

143. Usuki S, Tamura N, Sakai S, Tamura T, Mukai K, Igarashi Y.

**Chemoenzymatically prepared konjac ceramide inhibits NGF-induced neurite outgrowth by a semaphorin 3A-like action.**

Biochem Biophys Rep. 2016; 5: 160-7.

144. Watanabe Y, Yamaguchi Y, Komitsu N, Ohta S, Azuma Y, Izuhara K, Aihara M.  
**Elevation of serum squamous cell carcinoma antigen 2 in patients with psoriasis: associations with disease severity and response to the treatment.**  
Br J Dermatol. 2016; 174: 1327-36.
145. Yamada Y, Nozawa K, Nakano S, Mitsuo Y, Hiruma K, Doe K, Sekigawa I, Yamanaka K, Takasaki Y.  
**Antibodies to microtubule-associated protein-2 in the cerebrospinal fluid are a useful diagnostic biomarker for neuropsychiatric systemic lupus erythematosus.**  
Mod Rheumatol. 2016; 26: 562-8.
146. Yamaguchi K, Kumakura S, Murakami T, Someya A, Inada E, Nagaoka I.  
**Ketamine suppresses the substance P-induced production of IL-6 and IL-8 by human U373MG astrocytoma cells.**  
Int J Mol Med. 2017; 39: 687-92.
147. Yamamoto A, Takahashi K, Saito S, Tominaga M, Ohta T.  
**Two different avian cold-sensitive sensory neurons: Transient receptor potential melastatin 8 (TRPM8)-dependent and -independent activation mechanisms.**  
Neuropharmacology. 2016; 111: 130-41.
148. Yamashita T, Yamamoto S, Zhang J, Kometani M, Tomiyama D, Kohno K, Tozaki-Saitoh H, Inoue K, Tsuda M.  
**Duloxetine inhibits microglial P2X4 receptor function and alleviates neuropathic pain after peripheral nerve injury.**  
PLoS One. 2016; 11: e0165189 .
149. Yokoyama J, Ishibashi K, Shiramizu H, Ohba S.  
**Impact of Endoscopic Indocyanine Green Fluorescence Imaging on Superselective Intra-arterial Chemotherapy for Recurrent Cancer of the Skull Base.**  
Anticancer Res. 2016; 36: 3419-24.
150. Yoshida A, Furube E, Mannari T, Muneoka S, Kotani E, Takayama Y, Kittaka H, Tominaga M, Miyata S.



**TRPV1 is crucial for proinflammatory STAT3 signaling and thermoregulation-associated pathways in the brain during inflammation.**

Sci Rep. 2016; 6: 26088.

151. Yoshitake H, Oda R, Yanagida M, Kawasaki Y, Sakuraba M, Takamori K, Hasegawa A, Fujiwara H, Araki Y.

**Identification of an anti-sperm auto-monoclonal antibody (Ts4)-recognized molecule in the mouse sperm acrosomal region and its inhibitory effects on fertilization in vitro.**

J Reprod Immunol. 2016; 115: 6-13.

152. Yuri M, Tabe Y, Tsuchiya K, Sadatsuki R, Aoki J, Horii T, Iba T, Ohsaka A.

**Evaluation of Factor Xa-Specific Chromogenic Substrate Assays and the Determination of Pharmacokinetics of Fondaparinux.**

Clin Appl Thromb Hemost. 2016; 22: 453-8.

153. Yuyama K, Igarashi Y.

**Physiological and Pathological Roles of Exosomes in the Nervous System.**

Biomolecular Concepts. 2016; 7: 53-68.

154. Zhong J, Amina S, Liang M, Akther S, Yuhi T, Nishimura T, Tsuji C, Tsuji T, Liu H-X, Hashii M, Furuhashi K, Yokoyama S, Yamamoto Y, Okamoto H, Zhao YJ, Lee HC, Tominaga M, Lapatina O, Higashida K.

**Cyclic ADP-ribose and heat regulate oxytocin release via CD38 and TRPM2 in the hypothalamus during social or psychological stress in mice.**

Front Neurosci. 2016; 10: 304.

## 総説

1. Demirkhanyan L, Uchida K, Tominaga M, Zakharian E.

**TRPM3 gating in planar lipid bilayers defines peculiar agonist specificity.**

Channels. 2016; 22: 1-3.

2. Hu Z, Nagaoka I.

**Modulation of macrophage cell death, pyroptosis by host defense peptide LL-37.**

Juntendo Med J. 2016; 62: 98-104.

3. Kitatani K, Iwabuchi K, Snider A, and Riboni L.  
**Editorial: Sphingolipids in Inflammation: From Bench to Bedside.**  
Mediators of Inflamm. 2016; 2016: 7602526.
4. Masuda T, Tsuda M, Inoue K.  
**Transcriptional regulation in microglia and neuropathic pain.**  
Pain Manag. 2016; 6: 91-4.
5. Nagaoka I.  
**Have host defense peptides been acting in innate immunity since the trilobites of the Cambrian period 540 million years ago?**  
Juntendo Med J. 2016; 62: 96-97.
6. Ohnuma K, Hatano R, Itoh T, Iwao N, Dang NH, Morimoto C.  
**Role of IL-26+CD26+CD4 T Cells in Pulmonary chronic graft-versus-host disease and treatment with Caveolin-1- I g Fc conjugate.**  
Crit Rev Immunol. 2016; 36: 239-67.
7. Sun W, Uchida K, Tominaga M.  
**TRPV2 regulates BAT thermogenesis and differentiation.**  
Channels. 2016; 29: 1-3.
8. Suzuki K, Nagaoka I.  
**The effect of human host defense peptide LL-37 on endothelial cells.**  
Juntendo Med J. 2016; 62: 105-11.
9. Tamura H, Reich J, Nagaoka I.  
**Bacterial endotoxin assays relevant to host defense peptides.**  
Juntendo Med J. 2016; 62: 132-40.
10. Tsuda M, Inoue K.  
**Neuron-microglia interaction by purinergic signaling in neuropathic pain following neurodegeneration.**

Neuropharmacology. 2016; 104: 76-81.

11. Tsuda M.

**Spinal dorsal horn astrocytes: new players in chronic itch.**

Allergol Int. 2016; 66: 31-5.