

動物実験を用いた研究成果

発表論文・著書等（2018年度～2022年度）

Ueno, S., Seno, K., Maruyama Y., Hayashi, F., Miyoshi, H., Morita, M., Mackawa, S., Lipid Components in the Dynamin Fraction Prepared from, International Journal of Lipids, 1(1), p1-10 (2018)

Hiratsuka, D., Furubea, E., Taguchi, K., Tanaka, M., Morita, M. and Miyata, S., Remyelination in the medulla oblongata of adult mouse brain during experimental autoimmune encephalomyelitis, J Neuroimmunol, 319, p41-54 (2018)

Morita, M., Ikeshima-Kataoka, H., Kreft, M., Vardjan, N., Zorec, R., Noda, M. Metabolic Plasticity of Astrocytes and Aging of the Brain. Int. J. Mol. Sci. 20(4). pii: E941 (2019)

Hiroki Matsumoto, Hirobumi Sunayama, Yukiya Kitayama, Eri Takano, Toshifumi Takeuchi*
Site-specific post-imprinting modification of molecularly imprinted polymer nanocavities with a modifiable functional monomer for prostate cancer biomarker recognition
March, 2019
Sci. Technol. Adv. Mater. In press (DOI: 10.1080/14686996.2019.1583495)

Masayoshi Okubo*, Yukiya Kitayama, Tomoya Taniyama, Xiang Liu, Jianzheng Zhang, Hao Shi
Partitioning Effect of Nitrogen Catalyst into Polymerizing Particles on Dispersion Reversible Chain Transfer Catalyzed Polymerization (Dispersion RTCP) of Methyl Methacrylate in Supercritical Carbon Dioxide and Organic Solvents
March, 2019
J. Polym. Sci. Part A.: Polym. Chem., 57 (5), 613-620

Aoi Yoshida, Yukiya Kitayama, Kentaro Kiguchi, Takuya Yamada, Hiroaki Akasaka, Ryohei Sasaki, Toshifumi Takeuchi*
Gold nanoparticle-incorporated molecularly imprinted microgels as radiation sensitizers in pancreatic cancer
February, 2019
ACS Applied Bio Mater., In press (DOI: 10.1021/acsabm.8b00766)

Kisho Mori, Mitsuhiro Hirase, Takahiro Morishige, Eri Takano, Hirobumi Sunayama, Yukiya Kitayama, Sachiko Inubushi, Ryohei Sasaki, Masakazu Yashiro, Toshifumi Takeuchi*
A Pretreatment-Free, Polymer-Based Platform Prepared by Molecular Imprinting and Post-Imprinting Modifications for Sensing Intact Exosomes
February, 2019
Angew. Chem. Int. Ed., 58 (6), 1612-1615

Takahiro Morishige, Eri Takano, Hirobumi Sunayama, Yukiya Kitayama, Toshifumi Takeuchi*
Post-imprinting-modified Molecularly Imprinted Nanocavities with Two Synergetic, Orthogonal, Glycoprotein-Binding Sites to Transduce Binding Events into Fluorescence Changes
February, 2019
ChemNanoMat, 5 (2), 224-229

Tatsuro Saeki, Hirobumi Sunayama, Yukiya Kitayama, Toshifumi Takeuchi*
Orientationally Fabricated Zwitterionic Molecularly Imprinted Nanocavities for Highly Sensitive Glycoprotein Recognition
February, 2019
Langmuir, 35 (5), 1320-1326

北山 雄己哉、竹内 俊文
精密分子認識空間構築を実現する配向性分子インプリンティング（総合論文）
February, 2019 Bunseki Kagaku, 68 (2), 89-101

砂山 博文、竹内 俊文
分子インプリンティングによる高感度分子認識素子の開発とその応用（総説）

Eri Takano, Nobuaki Shimura, Yoshihisa Ujima, Hirobumi Sunayama, Yukiya Kitayama, Toshifumi Takeuchi*
Highly Sensitive Fluoro-immunosensing for Biomarker Detection Using An Automatic Pipette Tip-Type Biosensing System January, 2019 ACS Omega, 4 (1), 1487-1493

Yukiya Kitayama*, Toshifumi Takeuchi

Morphology Control of Shell-Crosslinked Polymer Particles Prepared by Photo-Induced Shell-Selective Crosslinking Approach via Dispersed State Control November, 2018 J. Colloid. Interface. Sci., 530 (5), 88-97

Masayoshi Okubo*, Yukiya Kitayama, Nobuko Yamashita, Xiang Liu, Chujuan Huang

Synthesis of Micrometer-Size Poly(Methyl Methacrylate) Particles by Utilizing Microsuspension Iodine Transfer Polymerization (ms ITP): Kinetic Approach September, 2018 Macromol. Theory Simul., 26, 1800029

Morita K, Suzuki T, Nishimura Y, Matsumoto K, Numako C, Sato K, Nakayama M, Sasaki R, Ogino C, Kondo A. In vivo tissue distribution and safety of polyacrylic acid-modified titanium peroxide nanoparticles as novel radiosensitizers. 2018 Jul J Biosci Bioeng. 126(1):119-125.

Yoshioka Y, Kubota Y, Samukawa Y, Yamashita Y, Ashida H.: Glabridin inhibits dexamethasone-induced muscle atrophy. Arch Biochem Biophys.; 664:157-166. 2019.

Tomoya Kitakaze, Atsushi Makiyama, Yumi Samukawa, Songyan Jiang, Yoko Yamashita, Hitoshi Ashida. A physiological concentration of luteolin induces phase II drug-metabolizing enzymes through the ERK1/2 signaling pathway in HepG2 cells. Archives of Biochemistry and Biophysics, 663:151-159., 2019.

Yoko Yamashita, Masaaki Okabe, Midori Natsume, Hitoshi Ashida: Cacao liquor procyanidins prevent postprandial hyperglycemia by increasing glucagon-like peptide-1 activity and AMP-activated protein kinase α phosphorylation in ICR mice. Journal of Nutritional Science, 16;8:e2. doi: 10., 2019.

Hao Jiang, Yoko Yamashita, Asuka Nakamura, Kevin Croft, Hitoshi Ashida, Quercetin and its metabolite isorhamnetin promote glucose uptake through different signalling pathways in myotubes. Scientific Reports, Sci Rep. 9(1): 2690., 2019.

Akiko Takagaki, Yasukiyo Yoshioka, Yoko Yamashita, Tomoya Nagano, Masaki Ikeda, Aya Hara-Terawaki, Ryota Seto, Hitoshi Ashida, Effects of microbial metabolites of (-)-epigallocatechin gallate on glucose uptake in L6 skeletal muscle cell and glucose tolerance in ICR mice. Biological and Pharmaceutical Bulletin, 42, 212-221, 2019.

Yoko Yamashita, Hideyuki Kishida, Kaku Nakagawa, Yasukiyo Yoshioka, Hitoshi Ashida, Liquorice flavonoid oil suppresses hyperglycaemia accompanied by skeletal muscle myocellular GLUT4 recruitment to the plasma membrane in KK-Ay mice, International Journal of Food Sciences and Nutrition, 10, 1-9, 2018.

Liuqing Wang, Yoko Yamashita, Shingo Komeda, Akiko Saito, Hitoshi Ashida, Absorption, metabolism, distribution and faecal excretion of B-type procyanidin oligomers in mice after a single oral administration of black soybean seed coat extract, Food and Function, 9, 5362-5370, 2018.

Manabu Ueda-Wakagi, Kaori Hayashibara, Tomoya Nagano, Masaki Ikeda, Sihao Yuan, Shuji Ueda, Yasuhito Shirai, Ken-ichi Yoshida and Hitoshi Ashida, Epigallocatechin gallate induces GLUT4 translocation in skeletal muscle through both PI3K- and AMPK-dependent pathways, Food and Function, 9, 4223-4233, 2018.

Yasukiyo Yoshioka, Yoko Yamashita, Hiroyuki Kishida, Kaku Nakagawa, Hitoshi Ashida, Licorice flavonoid oil enhances muscle mass in KK-Ay mice, Life Sciences, 205, 91-96, 2018 2.950

Kevin D. Croft, Yoko Yamashita, Helen O'Donoghue, Daishi Shirasaya, Natalie Ward, Hitoshi Ashida, Screening plant derived dietary phenolic compounds for bioactivity related to cardiovascular disease. Fitoterapia, 82, 22-28, 2018.

Takashi Furuyashiki, Rui Ogawa, Yoko Nakayama, Kazuhisa Honda, Hiroshi Kamisoyama, Hiroki Takata, Michiko Yasuda, Takashi Kuriki, Hitoshi Ashida. Effects of enzymatically synthesized glycogen on lipid metabolism in diet induced obese mice. Food Science and Technology Research, 24, 119-127, 2018.

Daiki Hayashi, Shuji Ueda, Minoru Yamanoue, Hitoshi Ashida, Yasuhito Shirai. Amelioration of diabetic nephropathy by oral administration of d- α -tocopherol and its mechanisms. Bioscience Biotechnology and Biochemistry, 82, 65-73, 2018.

山下陽子. 黒大豆ポリフェノールの機能性に関する研究. 化学と生物. 印刷中 2019.
仲村明日賀, 山下陽子, 難波文男, 戸田登志也, 芦田均. クロダイズの栽培と加工条件による種皮ポリフェノール含量と機能性の変化, 日本ポリフェノール学会誌, 7, 32-40, 2018.

山下陽子, 芦田均. 甘草由来グラブリジンの機能性について, New Food Industry, 60, 1-7, 2018.

芦田均. 抗糖尿病効果をもつ卵殻膜に含有する新規活性ペプチドの単離とその作用機構の解明, 平成 29 年度一般財団法人旗影会研究報告, 57-67, 2018.

Yoko Yamashita, Yasukiyo Yoshioka, Hitoshi Ashida,
Health beneficial functions of black soybean polyphenols.
In Food Biotechnology 3rd Edition, Ed by Kalidas Shetty. CRC Press, in press, 2019.

山下陽子、芦田均.
黒大豆ポリフェノール, 「血流改善成分の開発と応用」大澤俊彦監修シーエムシ出版、100-106, 2018.

The 9th International Symposium on Information and Communication Technology (SoICT)
243-250, 2018 (December)

Refined Cattle Detection Using Composite Background Subtraction and Brightness Intensity from Bird's Eye Images
Mami Aotani, Ryo Nishide, Yumi Takaki, Chikara Ohta, Kenji Oyama, Takenao Ohkawa

The 9th International Symposium on Information and Communication Technology (SoICT)
227-234, 2018 (December)

Cattle Community Extraction Using the Interactions Based on Synchronous Behavior
Yohei Yamauchi, Ryo Nishide, Yumi Takaki, Chikara Ohta, Kenji Oyama, Takenao Ohkawa

The 9th International Symposium on Information and Communication Technology (SoICT)
235-242, 2018 (December)

Quantifying the Approaching Behaviors for Interactions in Detecting Estrus of Breeding Cattle
Shunta Fukumoto, Ryo Nishide, Yumi Takaki, Chikara Ohta, Kenji Oyama, Takenao Ohkawa

DgMab-6: Antihuman DGK γ Monoclonal Antibody for Immunocytochemistry.

Nakano, T., Ogasawara, S., Tanaka, T., Hozumi, Y., Yamaki, A., Sakane, F., Shirai, Y., Nakamura, T., Yanaka, M., Yamada, S., Kaneko, M.K., Kato, Y., Goto, K.

Monoclon. Antib. Immunodiagn. Immunother., 37, 229-232, 2018

Comparative metabolomics of Japanese Black cattle beef and other meats using gas chromatography-mass spectrometry.
Ueda, S., Iwamoto, E., Kato, Y., Shinohara, M., Shirai, Y., Yamanoue, M.

Biosci. Biotechnol. Biochem., 83, 137-147, 2018

Epigallocatechin gallate induces GLUT4 translocation in skeletal muscle through both PI3K- and AMPK-dependent pathways.

Ueda-Wakagi, M., Hayashibara, K., Nagano, T., Ikeda, M., Yuan, S., Ueda, S., Shirai, Y., Yoshida, KI., Ashida, H.
Food Funct., 9, 4223-4233, 2018

Diacylglycerol kinase α -selective inhibitors induce apoptosis and reduce viability of melanoma and several other cancer cell lines.

Yamaki, A., Akiyama, R., Murakami, C., Takao, S., Murakami, Y., Mizuno, S., Takahashi, D., Kado, S., Taketomi, A., Shirai, Y., Goto, K., Sakane, F. J. Cell Biochem, 1-14, 2018

Screening of subtype specific activators and inhibitors for diacylglycerol kinase.

Hayashi, D., Tsumagari, R., Liu, K., Ueda, S., Yamanoue, M., Sakane, F., Shirai, Y.
J Biochem., , mvz008, 1-6, 2019

Nutritional and Therapeutic Interventions for Diabetes and Metabolic Syndrome (共著)

Chapter 30, Protective Role of Alpha-Tocopherol in Diabetic Nephropathy

Hayashi, D., Shirai, Y.

Debasis Bagchi ELSEVIER, 2nd edition, PP. 375-383, 2018

Sakaguchi, K., Shirai, Y., Itoh, T. and Mizuno, M. Lentinan exerts its anti-inflammatory activity by suppressing TNFR1 transfer to the surface of intestinal epithelial cells through Dectin-1 in an in vitro and mice model. *Immunome Research*, 14(3), 1000165, 2018

Harayama, H.
Flagellar hyperactivation of bull and boar spermatozoa.
2019年8月 Reprod Med Biol 17(4): 442-448.

発生生物学「哺乳類の受精 pp. 44-47」
培風館 2019年3月 原山 洋

Fujita S, Yamaguchi M, Hiramoto D, Saneyasu T, Honda K, Kamisoyama H. Effects of fasting and refeeding on the mRNA levels of insulin-like growth factor-binding proteins in chick liver and brain. *The Journal of Poultry Science*, 55, 4, 269-273, 2018. (2018年11月発行)

Kitagawa K, Gono R, Tatsumi M, Kadokami M, Katayama T, Hashii Y, Fujisawa M, Shirakawa T. Preclinical Development of a WT1 Oral Cancer Vaccine Using a Bacterial Vector to Treat Castration-Resistant Prostate Cancer. *Mol Cancer Ther*. 2019 May;18(5):980-990. doi: 10.1158/1535-7163.MCT-18-1105. Epub 2019 Mar 1.

Yoneda T, Kunimura N, Kitagawa K, Fukui Y, Saito H, Narikiyo K, Ishiko M, Otsuki N, Nibu KI, Fujisawa M, Serada S, Naka T, Shirakawa T. Overexpression of SOCS3 mediated by adenovirus vector in mouse and human castration-resistant prostate cancer cells increases the sensitivity to NK cells in vitro and in vivo. *Cancer Gene Ther*. 2019 Jan 4. doi: 10.1038/s41417-018-0075-5.

Pharmacological induction of heat shock proteins ameliorates toxicity of mutant PKC γ in spinocerebellar atrophy type 14. Nakazono A, Adachi N, Takahashi H, Seki T, Hamada D, Ueyama T, Sakai N, Saito N. *J. Biol. Chem.* 293, 14758-14774, 2018.

Rho-family small GTPases: from highly polarized sensory neurons to cancer cells
Ueyama T. *Cells*, 8(2), 92, 2019

Yamamoto R., Muroi K., Imaishi H. (2018,6)
Serum derived from ulcerative colitis mouse changes the metabolism of the fluorescent substrate by P450 depending on the degree of disease progression, *Chem Biol Interact.*, 290, 88-98

Uno T, Nakano R, Kitagawa R, Okada M, Kanamaru K, Takenaka S, Uno Y, Imaishi H. (2018,8)
Metabolism of steroids by cytochrome P450 2C9 variants, *Biopharm Drug Dispos.*, 39, 371-377

玉木峻、今石浩正(2018.10)
真核光合成生物におけるシトクロム P450 型カルボン酸水酸化酵素 (CYP97) の機能解析
BSJ-review 9, 80-89

Tamaki S, Kato S, Shinomura T, Ishikawa T, Imaishi H. (2019.1)
Physiological role of β -carotene monohydroxylase (CYP97H1) in carotenoid biosynthesis in *Euglena gracilis*, *Plant Sci.*, 278, 80-87

星 信彦 (2019): 農業と農薬. In: 地域づくりの基礎知識 3 農業・農村の資源とマネジメント. (中塚雅也編). pp.118-119. 神戸大学出版会, 神戸.

Yokoyama T, Omoteahara T, Kubota N, Yanai S, Hasegawa C, Takada T, Hirano T, Mantani Y, Hoshi N. Identification of reference genes for quantitative PCR analyses in developing mouse gonads. *J Vet Med Sci*, 80: 1534-1539, 2018. (査読有)

Takada T, Yoneda N, Hirano T, Yanai S, Yamamoto A, Mantani Y, Yokoyama T, Kitagawa H, Tabuchi Y, Hoshi N. Verification of the causal relationship between subchronic exposures to dinotefuran and depression-related phenotype in juvenile mice. *J Vet Med Sci*, 80: 720-724, 2018. doi: 10.1292/jvms.18-0022. [Epub ahead of print] (査読有)

Takada T, Yoneda N, Hirano T, Yanai S, Yamamoto A, Mantani Y, Yokoyama T, Kitagawa H, Tabuchi Y, Hoshi N. Verification of the causal relationship between subchronic exposures to dinotefuran and depression-related phenotype in

juvenile mice. *J Vet Med Sci*, 80: 720-724, 2018. doi: 10.1292/jvms.18-0022. [Epub ahead of print] (査読有)

Yoneda N, Takada T, Hirano T, Yanai S, Yamamoto A, Mantani Y, Yokoyama T, Kitagawa H, Hoshi N. Peripubertal exposure to the neonicotinoid pesticide dinotefuran affects dopaminergic neurons and causes hyperactivity in male mice. *J Vet Med Sci*, 80: 634-637, 2018. doi: 10.1292/jvms.18-0014. [Epub ahead of print] (査読有)

Mantani Y, Nishida M, Yamamoto K, Miyamoto K, Yuasa Ho, Masuda N, Omotehara Tya, Tsuruta H, Yokoyama T, Hoshi N, Kitagawa H. Ultrastructural and immunohistochemical study on the lamina propria cells beneath Paneth cells in the rat ileum. 2018, *Anat Rec*, 301: 1074-1085. doi: 10.1002/ar.23778. [Epub ahead of print] (査読有)

Masuda N, Mantani Y, Yuasa H, Yoshitomi C, Arai M, Nishida M, Qi W-M, Kawano J, Yokoyama T, Hoshi N, Kitagawa H. Immunohistochemical study on the distribution of β -defensin 1 and β -defensin 2 throughout the respiratory tract of healthy rats. 2018, *J Vet Med Sci*, 80: 395-404 (査読有)

Masuda N, Mantani Y, Yuasa H, Yoshitomi C, Nishida M, Arai M, Kawano J, Yokoyama T, Hoshi N, Kitagawa H. Immunohistochemical study on the secretory host defense system with lysozyme and secretory phospholipase A2 throughout rat respiratory tract. 2018, *J Vet Med Sci*, 80:323-332. (査読有)

Kubota N, Yokoyama T, Hoshi N, Suyama M. Identification of a candidate enhancer for DMRT3 involved in spastic cerebral palsy pathogenesis. *Biochem Biophys Res Commun*, 2018 496:133-139. (査読有)

Hirano T, Yanai S, Takada T, Yoneda N, Omotehara T, Kubota N, Minami K, Yamamoto A, Mantani Y, Yokoyama T, Kitagawa H, Hoshi N. NOAEL-dose of a neonicotinoid pesticide, clothianidin, acutely induce anxiety-related behavior with human-audible vocalizations in male mice in a novel environment. 2018, *Toxicol Lett*, 282: 57-63. (査読有)

Yasuda R, Adachi S, Okonogi A, Anzai Y, Kamiyama T, Katano K, Hoshi N, Natsume T, Mogi K. Fabrication of a Novel Culture Dish Adapter with Recess Microstructure for Flow Control in a Closed Environment. *App Sci*, 2018 in press (査読有)

Iwata E, Hasegawa T, Ueha T, Takeda D, Saito I, Kawamoto T, Akisue T, Sakai Y, Sasaki R, Kuroda R, Komori T Transcutaneous carbon dioxide enhances the antitumor effect of radiotherapy on oral squamous cell carcinoma
2018年7月 *Oncol Rep* 1・1 434-442

Arimoto A, Yamashita K, Hasegawa H, Sugita Y, Fukuoka E, Tanaka T, Suzuki S, Kakeji Y
Immunosuppression Induced by Perioperative Peritonitis Promotes Lung Metastasis
2018年7月 *Anticancer Res* 7・7 4333-4338

Higashida S, Nagai H, Nakayama K, Shinohara R, Taniguchi M, Nagai M, Hikida T, Yawata S, Ago Y, Kitaoka S, Narumiya S, Furuyashiki T
Repeated social defeat stress impairs attentional set shifting irrespective of social avoidance and increases female preference associated with heightened anxiety
2018年7月 *Sci Rep* 1・1 10454

Takeda H, Izumi Y, Takahashi M, Paxton T, Tamura S, Koike T, Yu Y, Kato N, Nagase K, Shiomi M, Bamba T Widely-targeted quantitative lipidomics method by supercritical fluid chromatography triple quadrupole mass spectrometry
2018年7月 *J Lipid Res* 7・7 1283-1293

Morioka, S, Sakaguchi, H, Yamaguchi, T, Ninoyu, Y, Mohri, H, Nakamura, T, Hisa, Y, Ogita, K, Saito, N, Ueyama, T Hearing vulnerability after noise exposure in a mouse model of reactive oxygen species overproduction
2018年8月 *J Neurochem* 4・4 459-473

Kuroiwa Y, Niikura T, Lee SY, Oe K, Iwakura T, Fukui T, Matsumoto T, Matsushita T, Nishida K, Kuroda R Escherichia coli-derived BMP-2-absorbed β -TCP granules induce bone regeneration in rabbit critical-sized femoral segmental defects
2018年8月 *Int Orthop*

Kataoka T, Kokubu T, Muto T, Mifune Y, Inui A, Sakata R, Nishimoto H, Harada Y, Takase F, Ueda Y, Kurosawa T, Yamaura K, Kuroda R
Rotator cuff tear healing process with graft augmentation of fascia lata in a rabbit model

2018年8月 J Orthop Surg Res 1・1 200

Nie X, Kitaoka S, Tanaka K, Segi-Nishida E, Imoto Y, Ogawa A, Nakano F, Tomohiro A, Nakayama K, Taniguchi M, Mimori-Kiyosue Y, Kakizuka A, Narumiya S, Furuyashiki T

The Innate Immune Receptors TLR2/4 Mediate Repeated Social Defeat Stress-Induced Social Avoidance through Prefrontal Microglial Activation

2018年8月 Neuron 3・3 464-479

Takeuchi K, Hayashi S, Matumoto T, Hashimoto S, Takayama K, Chinzei N, Kihara S, Haneda M, Kirizuki S, Kuroda Y, Tsubosaka M, Nishida K, Kuroda R

Downregulation of aquaporin 9 decreases catabolic factor expression through nuclear factor- κ B signaling in chondrocytes

2018年9月 Int J Mol Med 3・3 1548-1558

Nakazono A, Adachi N, Takahashi H, Seki T, Hamada D, Ueyama T, Sakai N, Saito N

Pharmacological induction of heat shock proteins ameliorates toxicity of mutant PKC γ in spinocerebellar ataxia type 14

2018年9月 J Biol Chem 38・38 14758-14774

Kawa Y, Nagano T, Yoshizaki A, Dokuni R, Katsurada M, Terashita T, Yasuda Y, Umezawa K, Yamamoto M, Kamiryo H, Kobayashi K, Nishimura Y

Role of S1P/S1PR3 axis in release of CCL20 from human bronchial epithelial cells

2018年9月 PLoS One 9・9 e0203211

Hashim M, Yokoi N, Takahashi H, Gheni G, Okechi OS, Hayami T, Murao N, Hidaka S, Minami K, Mizoguchi A, Seino S

Inhibition of SNAT5 Induces Incretin-Responsive State From Incretin-Unresponsive State in Pancreatic β -Cells: Study of β -Cell Spheroid Clusters as a Model

2018年9月 Diabetes 9・9 1795-1806

Sun C, Murata Y, Imada S, Konno T, Kotani T, Saito Y, Yamada H, Matozaki T

Role of Csk in intestinal epithelial barrier function and protection against colitis

2018年9月 Biochem Biophys Res Commun 1・1 109-114

Kunisada M, Yamano N, Hosaka C, Takemori C, Nishigori C

Inflammation Due to Voriconazole-induced Photosensitivity Enhanced Skin Phototumorigenesis in Xpa-knockout Mice

2018年9月 Photochem Photobiol 5・5 1077-1081

Suzuki E, Matsuda T, Kawamoto T, Takahashi H, Mieda Y, Matsuura Y, Takai T, Kanno A, Koyanagi-Kimura M, Asahara SI, Inoue H, Ogawa W, Kido Y

Docosahexaenoic Acid Reduces Palmitic Acid-Induced Endoplasmic Reticulum Stress in Pancreatic B Cells

2018年9月 Kobe J Med Sci 2・2 E43-E55

Takemori T, Kawamoto T, Ueha T, Toda M, Morishita M, Kamata E, Fukase N, Hara H, Fujiwara S, Niikura T, Kuroda R, Akisue T

Transcutaneous carbon dioxide application suppresses bone destruction caused by breast cancer metastasis

2018年10月 Oncol Rep 4・4 2079-2087

Kojima Y, Otsuki N, Kubo M, Kitamoto J, Takata E, Saito H, Kosaka K, Morishita N, Uehara N, Shirakawa T, Nibu KI

Adenovirus-mediated transfer of HPV 16 E6/E7 antisense RNA combined with cisplatin inhibits cellular growth and

induces apoptosis in HPV-positive head and neck cancer cells

2018年10月 Cancer Gene Ther 43718・43718 274-283

Kuroda Y, Matsumoto T, Hayashi S, Hashimoto S, Takayama K, Kirizuki S, Tsubosaka M, Kamenaga T, Takashima Y, Matsushita T, Niikura T, Kuroda R

Intra-articular autologous uncultured adipose-derived stromal cell transplantation inhibited the progression of cartilage degeneration

2018年10月 J Orthop Res

Akiyoshi R, Wake H, Kato D, Horiuchi H, Ono R, Ikegami A, Haruwaka K, Omori T, Tachibana Y, Moorhouse AJ, Nabekura J

Microglia Enhance Synapse Activity to Promote Local Network Synchronization
2018年10月 eNeuro 5 · 5

Kanno A, Asahara SI, Kawamura M, Furubayashi A, Tsuchiya S, Suzuki E, Takai T, Koyanagi-Kimura M, Matsuda T, Okada Y, Ogawa W, Kido Y
Early administration of dapagliflozin preserves pancreatic β -cell mass through a legacy effect in a mouse model of type 2 diabetes
2018年10月 J Diabetes Investig

Okada K, Hosooka T, Shinohara M, Ogawa W
Modulation of lipid mediator profile may contribute to amelioration of chronic inflammation in adipose tissue of obese mice by pioglitazone
2018年10月 Biochem Biophys Res Commun 1 · 1 29-35

Fukuda Y, Katsunuma S, Uranagase A, Nota J, Nibu KI
Effect of intranasal administration of neurotrophic factors on regeneration of chemically degenerated olfactory epithelium in aging mice
2018年11月 Neuroreport 16 · 16 1400-1404

Uenaka T, Satake W, Cha PC, Hayakawa H, Baba K, Jiang S, Kobayashi K, Kanagawa M, Okada Y, Mochizuki H, Toda T
In silico drug screening by using genome-wide association study data repurposed dabrafenib, an anti-melanoma drug, for Parkinson's disease
2018年11月 Hum Mol Genet 22 · 22 3974-3985

Dutta DJ, Woo DH, Lee PR, Pajevic S, Bukalo O, Huffman WC, Wake H, Basser PJ, SheikhBahaei S, Lazarevic V, Smith JC, Fields RD
Regulation of myelin structure and conduction velocity by perinodal astrocytes
2018年11月 Proc Natl Acad Sci U S A 46 · 46 11832-11837

Yoshida N, Emoto T, Yamashita T, Watanabe H, Hayashi T, Tabata T, Hoshi N, Hatano N, Ozawa G, Sasaki N, Mizoguchi T, Amin HZ, Hirota Y, Ogawa W, Yamada T, Hirata KI
Bacteroides vulgatus and Bacteroides dorei Reduce Gut Microbial Lipopolysaccharide Production and Inhibit Atherosclerosis
2018年11月 Circulation 22 · 22 2486-2498

Quan X, Kumar M, Matoba O, Awatsuji Y, Hayasaki Y, Hasegawa S, Wake H
Three-dimensional stimulation and imaging-based functional optical microscopy of biological cells
2018年11月 Opt Lett 21 · 21 5447-5450

Saito I, Hasegawa T, Ueha T, Takeda D, Iwata E, Arimoto S, Sakakibara A, Akashi M, Sakakibara S, Sakai Y, Terashi H, Komori T
Effect of local application of transcutaneous carbon dioxide on survival of random-pattern skin flaps
2018年11月 J Plast Reconstr Aesthet Surg 11 · 11 1644-1651

Kihara S, Hayashi S, Hashimoto S, Kanzaki N, Takayama K, Matsumoto T, Chinzei N, Iwasa K, Haneda M, Takeuchi K, Nishida K, Kuroda R
Cyclin-Dependent Kinase Inhibitor-1-Deficient Mice Are Susceptible to Osteoarthritis Associated With Enhanced Inflammation
2018年12月 J Bone Miner Res 12 · 12 2242

Ohnuma K, Kasagi S, Uto K, Noguchi Y, Nakamachi Y, Saegusa J, Kawano S
MicroRNA-124 inhibits TNF- α - and IL-6-induced osteoclastogenesis
2018年12月 Rheumatol Int

Fujii H, Watanabe K, Kono K, Goto S, Watanabe S, Nishi S
Changes in serum and intracardiac fibroblast growth factor 23 during the progression of left ventricular hypertrophy in hypertensive model rats
2018年12月 Clin Exp Nephrol

Yoneda T, Kunimura N, Kitagawa K, Fukui Y, Saito H, Narikiyo K, Ishiko M, Otsuki N, Nibu KI, Fujisawa M, Serada S, Naka T, Shirakawa T
Overexpression of SOCS3 mediated by adenovirus vector in mouse and human castration-resistant prostate cancer cells increases the sensitivity to NK cells in vitro and in vivo
2019年1月 Cancer Gene Ther

Ueyama T
Rho-Family Small GTPases: From Highly Polarized Sensory Neurons to Cancer Cells
2019年1月 Cells 2 · 2

Tanaka M, Chiba K, Okada K, Fujisawa M
Effect of mirabegron on tight junction molecules in primary cultured rat Sertoli cells
2019年1月 Andrologia

Fujiwara S, Nagai H, Jimbo H, Jimbo N, Tanaka T, Inoie M, Nishigori C
Gene Expression and Methylation Analysis in Melanomas and Melanocytes From the Same Patient: Loss of NPM2 Expression Is a Potential Immunohistochemical Marker for Melanoma
2019年1月 Front Oncol • 675

Umezawa K, Nagano T, Kobayashi K, Dokuni R, Katsurada M, Yamamoto M, Yoshikawa Y, Kataoka T, Nishimura Y
Phospholipase C ϵ plays a crucial role in neutrophilic inflammation accompanying acute lung injury through augmentation of CXCL chemokine production from alveolar epithelial cells
2019年1月 Respir Res 1 · 1 9

Iwatani S, Yoshida M, Yamana K, Kurokawa D, Kuroda J, Thwin KKM, Uemura S, Takafuji S, Nino N, Koda T, Mizobuchi M, Nishiyama M, Fujioka K, Nagase H, Morioka I, Iijima K, Nishimura N
Isolation and Characterization of Human Umbilical Cord-derived Mesenchymal Stem Cells from Preterm and Term Infants 2019年1月 J Vis Exp • e58806-

Miki Nishio, Yousuke Miyachi, Junji Otani, Shoji Tane, Hirofumi Omori, Fumihito Ueda, Hideru Togashi, Takehiko Sasaki, Tak Wah Mak, Kazuwa Nakao, Yasuyuki Fujita, Hiroshi Nishina, Tomohiko Maehama, Akira Suzuki
Hippo pathway controls cell adhesion and context-dependent cell competition to influence skin engraftment efficiency
2019年1月 FASEB J 201802005R

Kimura N, Kikumori A, Kawase D, Okano M, Fukamachi K, Ishida T, Nakajima K, Shiomi M
Species differences in lipoprotein lipase and hepatic lipase activities: comparative studies of animal models of lifestyle-related diseases 2019年2月 Exp Anim

Okamura S, Nagai H, Numa C, Nagai M, Shinohara R, Furuyashiki T
Social defeat stress induces phosphorylation of extracellular signal-regulated kinase in the leptomeninges in mice
2019年2月 NEUROPSYCHOPHARMACOL REP

Okazaki S, Otsuka I, Numata S, Horai T, Mouri K, Boku S, Ohmori T, Sora I, Hishimoto A
Epigenetic clock analysis of blood samples from Japanese schizophrenia patients
2019年2月 NPJ Schizophr 1 · 1 4

Goto H, Shimono Y, Funakoshi Y, Imamura Y, Toyoda M, Kiyota N, Kono S, Takao S, Mukohara T, Minami H
Adipose-derived stem cells enhance human breast cancer growth and cancer stem cell-like properties through adiponectin
2019年2月 Oncogene 6 · 6 767-779

Mori K, Hirase M, Morishige T, Takano E, Sunayama H, Kitayama Y, Inubushi S, Sasaki R, Yashiro M, Takeuchi T
A Pretreatment-Free, Polymer-Based Platform Prepared by Molecular Imprinting and Post-Imprinting Modifications for Sensing Intact Exosomes 2019年2月 Angew Chem Int Ed Engl 6 · 6 1612-1615

Shiomi M, Takeda H, Irino Y, Kimura N, Yamada S, Kuniyoshi N, Kikumori A, Koike Y, Koike T, Yaosida M, Izumi Y, Shinohara M, Bamba T, Ishida T
Identification of novel serum markers for the progression of coronary atherosclerosis in WHHLMI rabbits, an animal model of familial hypercholesterolemia 2019年2月 Atherosclerosis • 18-23

Kakiuchi Y, Yurube T, Kakutani K, Takada T, Ito M, Takeoka Y, Kanda Y, Miyazaki S, Kuroda R, Nishida K

Pharmacological inhibition of mTORC1 but not mTORC2 protects against human disc cellular apoptosis, senescence, and extracellular matrix catabolism through Akt and autophagy induction
2019年2月 Osteoarthritis Cartilage

Wang Z, Adachi S, Kong L, Watanabe D, Nakanishi Y, Ohteki T, Hoshi N, Kodama Y
Role of eosinophils in a murine model of inflammatory bowel disease
2019年2月 Biochem Biophys Res Commun

Adachi N, Hess DT, Kaku M, Ueda C, Numa C, Saito N
Differential S-palmitoylation of the human and rodent $\beta 3$ -adrenergic receptors
2019年2月 J Biol Chem 7·7 2569-2578

Hirata Y, Nomura K, Senga Y, Okada Y, Kobayashi K, Okamoto S, Minokoshi Y, Imamura M, Takeda S, Hosooka T, Ogawa W
Hyperglycemia induces skeletal muscle atrophy via a WWP1/KLF15 axis
2019年2月 JCI Insight 4·4

Tagawa R, Kawano Y, Minami A, Nishiumi S, Yano Y, Yoshida M, Kodama Y
 β -hydroxybutyrate protects hepatocytes against endoplasmic reticulum stress in a sirtuin 1-independent manner
2019年3月 Arch Biochem Biophys 220-227

Shirakawa T, Kitagawa K, Tatsumi M, Gono R, Katayama T, Hashii Y, Fujisawa M, Kadokawa M
Preclinical development of a WT1 oral cancer vaccine using a bacterial vector to treat castration-resistant prostate cancer
2019年3月 Mol Cancer Ther

Wang B, Nishimura M, Maekawa Y, Kotari T, Okuno T, Mori Y
Humanization of the murine neutralizing antibodies against human herpesvirus 6B 2019年3月 J Virol

Nakagawa T, Kikumori A, Kimura N, Shiomi M
Distribution of atherosclerotic lesions in various arteries of WHHLMI rabbits, an animal model of familial hypercholesterolemia 2019年3月 Exp Anim

Satoshi Nagamata, Taiki Aoshi, Akiko Kawabata, Yoshiaki Yamagishi, Mitsuhiro Nishimura, Soichiro Kuwabara, Kouki Murakami, Hideto Yamada, Yasuko Mori
Identification of CD4 and H-2Kd-restricted cytotoxic T lymphocyte epitopes on the human herpesvirus 6B glycoprotein Q1 protein 2019年3月 Sci Rep 1·1 3911

Ueda Y, Inui A, Mifune Y, Takase F, Kataoka T, Kurosawa T, Yamaura K, Kokubu T, Kuroda R
Molecular changes to tendons after collagenase-induced acute tendon injury in a senescence-accelerated mouse model
2019年3月 BMC Musculoskelet Disord 1·1 120

Tanaka T, Matsushita T, Nishida K, Takayama K, Nagai K, Araki D, Matsumoto T, Tabata Y, Kuroda R
Attenuation of osteoarthritis progression in mice following intra-articular administration of simvastatin-conjugated gelatin hydrogel 2019年3月 J Tissue Eng Regen Med 3·3 423-432

Okamoto M, Yoshioka Y, Maeda K, Bito Y, Fukumoto T, Uesaka T, Enomoto H
Mice conditionally expressing RET(C618F) mutation display C cell hyperplasia and hyperganglionosis of the enteric nervous system 2019年3月 Genesis

Nakajima S, Nishimoto Y, Tateya S, Iwahashi Y, Okamatsu-Ogura Y, Saito M, Ogawa W, Tamori Y
FSP27 α inhibits autophagy-dependent lipid droplet breakdown in white adipocytes
2019年3月 J Diabetes Investig

Hosomi S, Watabe T, Mori Y, Koyama Y, Adachi S, Hoshi N, Ohnishi M, Ogura H, Yoshioka Y, Hatazawa J, Yamashita T, Shimazu T
Inflammatory projections after focal brain injury trigger neuronal network disruption: An 18F-DPA714 PET study in mice 2018年 Neuroimage Clin 946-954

Kishimoto K, Tamura M, Nishita M, Minami Y, Yamaoka A, Abe T, Shigeta M, Morimoto M
Synchronized mesenchymal cell polarization and differentiation shape the formation of the murine trachea and esophagus

2018年7月 Nat Commun 1・1 2816

Temma T, Kondo N, Yoda K, Nishigori K, Onoe S, Shiomi M, Ono M, Saji H
Comparison of 125I- and 111In-labeled peptide probes for in vivo detection of oxidized low-density lipoprotein in atherosclerotic plaques

2018年7月 Ann Nucl Med 6・6 425-429

Qurania KR, Ikeda K, Wardhana DA, Barinda AJ, Nugroho DB, Kurabayashi Y, Rahardini EP, Rinastiti P, Ryanto GRT, Yagi K, Hirata KI, Emoto N
Systemic inhibition of Janus kinase induces browning of white adipose tissue and ameliorates obesity-related metabolic disorders 2018年7月 Biochem Biophys Res Commun 1・1 123-128

Kishimoto K, Tamura M, Nishita M, Minami Y, Yamaoka A, Abe T, Shigeta M, Morimoto M
Synchronized mesenchymal cell polarization and differentiation shape the formation of the murine trachea and esophagus 2018年7月 Nat Commun 1・1 2816

Sumitomo A, Yukitake H, Hirai K, Horike K, Ueta K, Chung Y, Warabi E, Yanagawa T, Kitaoka S, Furuyashiki T, Narumiya S, Hirano T, Niwa M, Sibille E, Hikida T, Sakurai T, Ishizuka K, Sawa A, Tomoda T
Ulk2 controls cortical excitatory-inhibitory balance via autophagic regulation of p62 and GABA_A receptor trafficking in pyramidal neurons 2018年9月 Hum Mol Genet 18・18 3165-3176

Nugroho DB, Ikeda K, Barinda AJ, Wardhana DA, Yagi K, Miyata K, Oike Y, Hirata KI, Emoto N
Neuregulin-4 is an angiogenic factor that is critically involved in the maintenance of adipose tissue vasculature 2018年9月 Biochem Biophys Res Commun 1・1 378-384

Abe T, Tanaka Y, Jinlian P, Tanimine N, Oue N, Hinoi T, Verjan Garcia N, Miyasaka M, Matozaki T, Yasui W, Ohdan H
Signal regulatory protein alpha blockade potentiates tumoricidal effects of macrophages on gastroenterological neoplastic cells in syngeneic immunocompetent mice 2018年9月 ANN GASTROENTEROL SURG 6・6 451-462

Ikeuchi Y, Imanishi A, Sudo K, Fukunaga T, Yokoi A, Matsubara L, Goto C, Fukuoka T, Kuronuma K, Kono R, Hasegawa N, Asano S, Ito M
Translin modulates mesenchymal cell proliferation and differentiation in mice 2018年9月 Biochem Biophys Res Commun 1・1 115-122

Yano H, Sakai M, Matsukawa T, Yagi T, Naganuma T, Mitsushima M, Iida S, Inaba Y, Inoue H, Unoki-Kubota H, Kaburagi Y, Asahara SI, Kido Y, Minami S, Kasuga M, Matsumoto M
PHD3 regulates glucose metabolism by suppressing stress-induced signalling and optimising gluconeogenesis and insulin signalling in hepatocytes 2018年9月 Sci Rep 1・1 14290

Kondo M, Tanabe K, Amo-Shiinoki K, Hatanaka M, Morii T, Takahashi H, Seino S, Yamada Y, Tanizawa Y
Activation of GLP-1 receptor signalling alleviates cellular stresses and improves beta cell function in a mouse model of Wolfram syndrome 2018年10月 Diabetologia 10・10 2189-2201

Orlandi C, Omori Y, Wang Y, Cao Y, Ueno A, Roux MJ, Condomitti G, de Wit J, Kanagawa M, Furukawa T, Martemyanov KA
Transsynaptic Binding of Orphan Receptor GPR179 to Dystroglycan-Pikachurin Complex Is Essential for the Synaptic Organization of Photoreceptors 2018年10月 Cell Rep 1・1 130-145

Yamamoto M, Ben-Shlomo A, Kameda H, Fukuoka H, Deng N, Ding Y, Melmed S
Somatostatin receptor subtype 5 modifies hypothalamic-pituitary-adrenal axis stress function 2018年10月 JCI Insight 19・19

Yanagihara K, Kubo T, Mihara K, Kuwata T, Ochiai A, Seyama T, Yokozaki H
Establishment of a novel cell line from a rare human duodenal poorly differentiated neuroendocrine carcinoma 2018年11月 Oncotarget 92・92 36503-36514

Lai BK, Chae H, Gomez-Ruiz A, Cheng P, Gallo P, Antonie N, Beauloye C, Jonas JC, Seghers V, Seino S, Gilon P
Somatostatin Is Only Partly Required for the Glucagonostatic Effect of Glucose but Is Necessary for the Glucagonostatic Effect of KATP Channel Blockers 2018年11月 Diabetes 11・11 2239-2253

Takeda A, Shinozaki Y, Kashiwagi K, Ohno N, Eto K, Wake H, Nabekura J, Koizumi S

Microglia mediate non-cell-autonomous cell death of retinal ganglion cells

2018年11月 Glia 11・11 2366-2384

Ikeno Y, Yokawa K, Koda Y, Gotake Y, Henmi S, Nakai H, Yamanaka K, Inoue T, Tanaka H, Okita Y

The fate of the downstream aorta after open aortic repair for acute DeBakey type I aortic dissection: total arch replacement with elephant trunk technique versus non-total arch replacement

2018年11月 Eur J Cardiothorac Surg

Yamanaka K, Eldeiry M, Roda G, Aftab M, Reece TB

Potential benefit of pharmacological induction of beta common receptor

2018年11月 J Thorac Cardiovasc Surg 5・5 1796-1797

Hashikami K, Asahina M, Nozu K, Iijima K, Nagata M, Takeyama M

Establishment of X-linked Alport syndrome model mice with a Col4a5 R471X mutation

2018年12月 Biochem Biophys Rep 81-86

Yamanaka K, Eldeiry M, Aftab M, Ryan TJ, Mares J, Meng X, Weyant MJ, Cleveland JC Jr, Fullerton DA, Reece TB

Synergistic Reduction of Apoptosis With Diazoxide and Erythropoietin in Spinal Cord Ischemic Injury

2018年12月 Ann Thorac Surg 6・6 1751-1758

Ning B, Chen Y, Waqar AB, Yan H, Shiomi M, Zhang J, Chen YE, Wang Y, Itabe H, Liang J, Fan J

Hypertension Enhances Advanced Atherosclerosis and Induces Cardiac Death in Watanabe Heritable Hyperlipidemic Rabbits 2018年12月 Am J Pathol 12・12 2936-2947

Kodama H, Ueshima E, Gao S, Monette S, Paluch LR, Howk K, Erinjeri JP, Solomon SB, Srimathveeravalli G

High power microwave ablation of normal swine lung: impact of duration of energy delivery on adverse event and heat sink effects 2018年12月 Int J Hyperthermia 8・8 1186-1193

Kodama H, Ueshima E, Howk K, Lee SW, Erinjeri JP, Solomon SB, Srimathveeravalli G

Temporal evaluation of the microwave ablation zone and comparison of CT and gross sizes during the first month post-ablation in swine lung 2018年12月 Diagn Interv Imaging

Adhikara IM, Yagi K, Mayasari DS, Ikeda K, Kitagawa H, Miyata O, Igarashi M, Hatakeyama K, Asada Y, Hirata KI, Emoto N

Chondroitin sulfate N-acetylgalactosaminyltransferase-2 deletion alleviates lipoprotein retention in early atherosclerosis and attenuates aortic smooth muscle cell migration

2019年1月 Biochem Biophys Res Commun 1・1 89-95

Yamanaka K, Eldeiry M, Aftab M, Ryan TJ, Meng X, Weyant MJ, Fullerton DA, Reece TB

Synergetic Induction of NGF With Diazoxide and Erythropoietin Attenuates Spinal Cord Ischemic Injury

2019年1月 J Surg Res 124-131

Kakigi A, Okada T, Takeda T, Uehara N, Nibu KI

Endocytosis of CF in marginal cells of stria vascularis regulated by ROCK and MLCK signaling cascade, but not G-proteins 2019年2月 Auris Nasus Larynx

Yanagihara K, Kubo T, Mihara K, Kuwata T, Ochiai A, Seyama T, Yokozaki H

Development and Biological Analysis of a Novel Orthotopic Peritoneal Dissemination Mouse Model Generated Using a Pancreatic Ductal Adenocarcinoma Cell Line 2019年2月 Pancreas

Ano Y, Ayabe T, Ohya R, Kondo K, Kitaoka S, Furuyashiki T

Tryptophan-Tyrosine Dipeptide, the Core Sequence of β -Lactolin, Improves Memory by Modulating the Dopamine System 2019年2月 Nutrients 2・2

Weissenbock M, Latham R, Nishita M, Wolff LI, Ho HH, Minami Y, Hartmann C

Genetic interactions between Ror2 and Wnt9a, Ror1 and Wnt9a and Ror2 and Ror1 - phenotypic analysis of the limb skeleton and palate in compound mutants 2019年2月 Genes Cells

Tamada K, Nakajima S, Ogawa N, Inada M, Shibasaki H, Sato A, Takasawa R, Yoshimori A, Suzuki Y, Watanabe N,

Oyama T, Abe H, Inoue S, Abe T, Yokomizo T, Tanuma S

Papaverine identified as an inhibitor of high mobility group box 1/receptor for advanced glycation end-products interaction suppresses high mobility group box 1-mediated inflammatory responses

2019年2月 Biochem Biophys Res Commun

Chen J, Landegger LD, Sun Y, Ren J, Maimon N, Wu L, Ng MR, Chen JW, Zhang N, Zhao Y, Gao X, Fujita T, Roberge S, Huang P, Jain RK, Plotkin SR, Stankovic KM, Xu L

A cerebellopontine angle mouse model for the investigation of tumor biology, hearing, and neurological function in NF2-related vestibular schwannoma 2019年2月 Nat Protoc 2・2 541-555

Carmean CM, Yokoi N, Takahashi H, Oduori OS, Kang C, Kanagawa A, Kirkley AG, Han G, Landeche M, Hidaka S, Katoh M, Sargis RM, Seino S

Arsenic modifies serotonin metabolism through glucuronidation in pancreatic β -cell

2019年3月 Am J Physiol Endocrinol Metab 3・3 E464-E474

Yurube T, Buchser WJ, Moon HJ, Hartman RA, Takayama K, Kawakami Y, Nishida K, Kurosaka M, Vo NV, Kang JD, Lotze MT, Sowa GA

Serum and nutrient deprivation increase autophagic flux in intervertebral disc annulus fibrosus cells: an in vitro experimental study 2019年3月 Eur Spine J

Murase M, Seino Y, Maekawa R, Iida A, Hosokawa K, Hayami T, Tsunekawa S, Hamada Y, Yokoi N, Seino S, Hayashi Y, Arima H

Functional adenosine triphosphate-sensitive potassium channel is required in high-carbohydrate diet-induced increase in β -cell mass 2019年3月 J Diabetes Investig 2・2 238-250

Yamanaka K, Eldeiry M, Aftab M, Ryan TJ, Roda G, Meng X, Weyant MJ, Cleveland JC Jr, Fullerton DA, Reece TB Pretreatment With Diazoxide Attenuates Spinal Cord Ischemia-Reperfusion Injury Through Signaling Transducer and Activator of Transcription 3 Pathway 2019年3月 Ann Thorac Surg 3・3 733-739

Matsumoto T, Tanaka M, Ikeji T, Maeshige N, Sakai Y, Akisue T, Kondo H, Ishihara A, Fujino H

Application of transcutaneous carbon dioxide improves capillary regression of skeletal muscle in hyperglycemia 2019年3月 J Physiol Sci 2・2 317-326

Chinzei N, Rai MF, Hashimoto S, Schmidt EJ, Takebe K, Cheverud JM, Sandell LJ

Evidence for Genetic Contribution to Variation in Posttraumatic Osteoarthritis in Mice

2019年3月 Arthritis Rheumatol 3・3 370-381

Sato-Hashimoto M, Nozu T, Toriba R, Horikoshi A, Akaike M, Kawamoto K, Hirose A, Hayashi Y, Nagai H, Shimizu W, Saiki A, Ishikawa T, Elhanbly R, Kotani T, Murata Y, Saito Y, Naruse M, Shibasaki K, Oldenborg PA, Jung S, Matozaki T, Fukazawa Y, Ohnishi H

Microglial SIRP α regulates the emergence of CD11c microglia and demyelination damage in white matter

2019年3月 Elife . pii . pii e42025

Htun Y, Nakamura S, Nakao Y, Mitsue T, Nakamura M, Yamato S, Jinnai W, Koyano K, Ohta K, Morimoto A, Wakabayashi T, Sugino M, Fujioka K, Kato I, Kondo S, Yasuda S, Miki T, Ueno M, Kusaka T

Hydrogen ventilation combined with mild hypothermia improves short-term neurological outcomes in a 5-day neonatal hypoxia-ischaemia piglet model

2019年3月 Sci Rep 1・1 4088

Ano Y, Hoshi A, Ayabe T, Ohya R, Uchida S, Yamada K, Kondo K, Kitaoka S, Furuyashiki T

Iso- α -acids, the bitter components of beer, improve hippocampus-dependent memory through vagus nerve activation 2019年4月 FASEB J 4・4 4987-4995

林 友鴻, 山下 智也, 平田 健一

心房細動・心不全と腸内細菌

2018年7月 循環器内科 1号・1号 86-92

由留部 崇, 黒田 良祐

脊椎椎間板組織の恒常性維持におけるオートファジーの関与と役割の解明

2018年8月 神緑会学術誌 • 44-46

林 友鴻, 山下 智也, 平田 健一

心不全の革新的予防戦略 心不全患者における腸内フローラおよび腸内細菌由来代謝産物の変化

2018年8月 循環器専門医 • 3-8

伊藤 雅明, 由留部 崇, 垣内 裕司, 武岡 由樹, 神田 裕太郎, 角谷 賢一朗, 高田 徹, 黒田 良祐, 西田 康太郎
ATG5の抑制を介したオートファジーの阻害はストレス環境下でヒト椎間板細胞においてアポトーシスとセネッセンスを誘導し、生存率を低下させる

2018年9月 Journal of Spine Research 9号・9号 1388-1393

上原 奈津美, 丹生 健一

研究者の最新動向 制限増殖型アデノウイルスベクターを用いた頭頸部癌に対する新たな治療法の開発

2018年10月 Precision Medicine 1号・1号 93-97

吉田 尚史, 山下 智也, 平田 健一

【動脈硬化の早期診断法と予防対策-健康寿命延伸をめざして】 腸内細菌と動脈硬化

2018年11月 カレントテラピー 11号・11号 1116-1121

山下 智也, 吉田 尚史, 林 友鴻, 江本 拓央, 溝口 泰司, 笠原 和之, 佐々木 直人, 平田 健一

腸管免疫・腸内細菌叢と冠動脈疾患

2018年11月 循環器内科 5号・5号 584-590

由留部 崇, 伊藤 雅明, 垣内 裕司, 角谷 賢一朗, 高田 徹, 武岡 由樹, 神田 裕太郎, 辻本 龍, 宮崎 真吾, 張鍾穎, 黒田 良祐, 西田 康太郎

椎間板研究の最前線 椎間板変性治療 オートファジー

2018年11月 臨床整形外科 11号・11号 975-980

由留部 崇, 角谷 賢一朗, 高田 徹, 黒田 良祐, 西田 康太郎

整形トピックス 脊椎椎間板変性へのオートファジーの関与とその脊索由来細胞における恒常性維持機構の可能性

2018年11月 整形外科 12号・12号 1232

永井 裕崇, 古屋敷 智之

【腹側線条体とは?】 腹側線条体の総論と基礎 ストレスによる脳組織リモデリング 神経形態変化と炎症反応

2018年12月 Clinical Neuroscience 12号・12号 1421-1424

Matsumoto T, Tanaka M, Ikeji T, Maeshige N, Sasaki Y, Akisue T, Kondo H, Ishihara A, Fujino H.

Application of transcutaneous carbon dioxide improves capillary regression of skeletal muscle in hyperglycemia. J Physiol Sci. 2019 Mar;69(2):317-326.

Tanaka M, Kanazashi M, Maeshige N, Kondo H, Ishihara A, Fujino H.

Protective effects of Brazilian propolis supplementation on capillary regression in the soleus muscle of hindlimb-unloaded rats. J Physiol Sci. 2019 Mar;69(2):223-233.

Tanaka M, Morifumi T, Yoshikawa M, Nakanishi R, Fujino H.

Effects of combined treatment with blood flow restriction and low-intensity electrical stimulation on diabetes mellitus-associated muscle atrophy in rats.

J Diabetes. 2019 Apr;11(4):326-334.

Tomoya Fukuoka, Asami Kawai, Taku Takahara, Mahiro Mori, Robert G. Roeder, Natsumi Hasegawa, Mitsuhiro Ito
PML-RAR α induces all-trans retinoic acid-dependent transcriptional activation through interaction with MED1 印刷中

Kanno A, Asahara S, Kawamura M, Furubayashi A, Tsuchiya S, Suzuki E, Takai T, Koyanagi-Kimura M, Matsuda T, Okada Y, Ogawa W, Kido Y. Early administration of dapagliflozin preserves pancreatic β -cell mass through a legacy effect in a mouse model of type 2 diabetes. J Diabetes Investig. 2019, 10(3):577-590.

Asahara S. Neuronatin and glucose-induced stress in pancreatic β cells. J Diabetes Investig. Commentary 2019, 10(3):574-576.

Yano H, Sasaki M, Matsukawa T, Yagi T, Naganuma T, Mitsushima M, Iida S, Inaba Y, Inoue H, Unoki-Kubota H, Kaburagi Y, Asahara S, Kido Y, Minami S, Kasuga M, Matsumoto M.
PHD3 regulates glucose metabolism by suppressing stress-induced signalling and optimising gluconeogenesis and insulin signalling in hepatocytes. *Sci Rep.* 2018;8(1):14290

Suzuki E, Matsuda T, Kawamoto T, Takahashi H, Mieda Y, Matsuura Y, Takai T, Kanno A, Koyanagi-Kimura M, Asahara S, Inoue H, Ogawa W, Kido Y.
Docosahexaenoic Acid Reduces Palmitic Acid-Induced Endoplasmic Reticulum Stress in Pancreatic B Cells. *Kobe J Med Sci.* 2018;64(2):E43-E55

Takagi S., Furube E., Nakano Y., Morita M., Miyata S., Microglia are continuously activated in the circumventricular organs of mouse brain., *J Neuroimmunol.*, 331, p74-86 (2019)

Hiratsuka, D., Kurganova, E., Furube, E., Morita, M., Miyata, S., VEGF- and PDGF-dependent proliferation of oligodendrocyte progenitor cells in the medulla oblongata after LPC-induced focal demyelination, *J Neuroimmunol.*, 332, p176-186 (2019)

Rajput, S., Kumar, M., Quan, X., Morita, M., Furuyashiki, T., Awatsuji, Y., Tajahuerce, E., Matoba, O., Three-dimensional fluorescence imaging using the transport of intensity equation. *Journal of Biomedical Optics.* 25(3), p1-7 (2019)
doi: 10.1117/1.JBO.25.3.032004.

Furube, E., Ishii, H., Nambu, Y., Kurganova, E., Nagaoka, S., Morita, M., and Miyata, S. (2020). Neural stem cell phenotype of tanycyte-like ependymal cells in the circumventricular organs and central canal of adult mouse brain. *Sci. Rep.* 10, 2826.

Visualization of mechanical stress-mediated Ca²⁺ signaling in the gut using intravital imaging
Aihara, Yoshiko, Fukuda, Yota, Takizawa, Akiyoshi, Osakabe, Naomi, Aida, Tomomi, Tanaka, Khoichi, Yoshikawa, Soichiro, Karasuyama, Hajime, Adachi, Takahiro
Bioscience of Microbiota, Food and Health 2020 年 (accepted)

エピガロカテキンガレートによる消化管由来の摂食抑制ホルモン分泌の亢進
藍原 祥子
茶ポリフェノールの生理機能と応用展開 (シーエムシー出版) 52-58 2019 年 9 月

Kitakaze T, Yuan S, Inoue M, Yoshioka Y, Yamashita Y, Ashida H. 6-(Methylsulfinyl)hexyl isothiocyanate protects acetaldehyde-caused cytotoxicity through the induction of aldehyde dehydrogenase in hepatocytes. *Arch Biochem Biophys.* 686:108329. 2020

Tomoya Kitakaze, Atsushi Makiyama, Yumi Samukawa, Songyan Jiang, Yoko Yamashita, Hitoshi Ashida. A physiological concentration of luteolin induces phase II drug-metabolizing enzymes through the ERK1/2 signaling pathway in HepG2 cells. *Archives of Biochemistry and Biophysics*, 663, 151-159, 2019.

Yasukiyo Yoshioka, Yusuke Kubota, Yumi Samukawa, Yoko Yamashita, Hitoshi Ashida. Glabridin inhibits dexamethasone-induced muscle atrophy. *Archives of Biochemistry and Biophysics*, 664, 157-166, 2019.

Hao Jiang, Yoko Yamashita, Asuka Nakamura, Kevin Croft, Hitoshi Ashida. Quercetin and its metabolite isorhamnetin promote glucose uptake through different signalling pathways in myotubes. *Scientific Reports*, 9, 2690, 2019.

Akiko Takagaki, Yasukiyo Yoshioka, Yoko Yamashita, Tomoya Nagano, Masaki Ikeda, Aya Hara-Terawaki, Ryota Seto, Hitoshi Ashida. *Biological Pharmaceutical Bulletin*, 42, 212–221, 2019.

Manabu Ueda-Wakagi, Hironobu Nagayasu, Yoko Yamashita, Hitoshi Ashida. Green tea ameliorates hyperglycemia by promoting the translocation of glucose transporter 4 in the skeletal muscle of diabetic rodents. *International Journal of Molecular Sciences*, 20, 2436, 2019.

Yoko Yamashita, Hideyuki Kishida, Kaku Nakagawa, Yasukiyo Yoshioka, Hitoshi Ashida. Liquorice flavonoid oil suppresses hyperglycaemia accompanied by skeletal muscle myocellular GLUT4 recruitment to the plasma membrane in KK-Ay mice. *International Journal of Food Sciences and Nutrition*, 70, 294-302, 2019.

Yoko Yamashita, Masaaki Okabe, Midori Natsume, Hitoshi Ashida. Cacao liquor procyanidins prevent postprandial hyperglycaemia by increasing glucagon-like peptide-1 activity and AMP-activated protein kinase in mice. *Journal of Nutritional Science*, 8, e2, 2019.

Hao Jiang, Yasukiyo Yoshioka, Sihao Yuan, Yuko Horiuchi, Yoko Yamashita, Kevin D Croft, Hitoshi Ashida. Enzymatically modified isoquercitrin promotes energy metabolism through activating AMPK α in male C57BL/6 mice. *Food & Function*, 10, 5188-5202, 2019.

Chiaki Domae, Fumio Namba, Toshinari Maruo, Toshio Suzuki, Hitoshi Ashida, Yoko Yamashita. Black soybean seed coat polyphenols promote nitric oxide production in the aorta through glucagon-like peptide-1 secretion from the intestinal cells. *Food & Function*, 10, 7875-7882, 2019.

山下陽子. 黒大豆ポリフェノールの機能性に関する研究. *化学と生物*. 57, 146-152, 2019.

山下陽子. グラブリジンの筋重量に及ぼす効果とその作用機構, *日本ポリフェノール学会誌*, 8, 27-30, 2019.

芦田均. 腸内環境からみたダイズポリフェノールの機能性と健康長寿. *アグリバイオ*, 3, 1203-1207, 2019.

Takaoki Saneyasu, Satoshi Fukuzo, Ayana Kitashiro, Kanami Nagata, Kazuhisa Honda, Hiroshi Kamisoyama. Central administration of insulin and refeeding lead to the phosphorylation of AKT, but not FOXO1, in the hypothalamus of broiler chicks. 2019年10月 *Physiology & Behavior*. 210, 112644.

Takagi S., Furube E., Nakano

Shoichi Fujita, Kazuhisa Honda, Mika Yamaguchi, Satoshi Fukuzo, Takaoki Saneyasu, Hiroshi Kamisoyama. Role of insulin-like growth factor-1 in the central regulation of feeding behavior in chicks. 2019年11月 *The Journal of Poultry Science*. 56(4), 270-276.

Takaoki Saneyasu, Yuma Nakano, Nami Tsuchii, Tatsuya Tsuchihashi, Sayaka Kimura, Kazuhisa Honda, Hiroshi Kamisoyama.

Differential regulation of protein synthesis by skeletal muscle type in chickens. 2019年12月 *General and Comparative Endocrinology*. 284, 113246.

Tsumagari R, Kakizawa S, Kikunaga S, Fujihara Y, Ueda S, Yamanoue M, Saito N, Ikawa M, Shirai Y. (2020) DGK β knock-out mice show impairments in cerebellar motor coordination, LTD, and the dendritic development of Purkinje cells through the activation of PKC $\alpha\beta\gamma$ eNeuro 0319.

Nakai, H Tsumagari R, Maruo K, Nakashima A, Kikkawa U, Ueda S, Yamanoue M, Saito N, Takei N, Shirai Y (2020) mTORC1 is involved in DGK β -induced neurite outgrowth and spinogenesis. *Neurochem. Intl* 134, 104645.

Hayashi D, Tsumagari R, Liu K, Ueda S, Yamanoue M, Sakane F, Shirai Y.(2019) Screening of subtype specific activators and inhibitors for diacylglycerol kinase. *J Biochem*. 165, 517-522.

Yamaki A, Akiyama R, Murakami C, Takao S, Murakami Y, Mizuno S, Takahashi D, Kado S, Taketomi A, Shirai Y, Goto K, Sakane F.(2019) Diacylglycerol kinase α -selective inhibitors induce apoptosis and reduce viability of melanoma and several other cancer cell lines. *J. Cell Biochem*. 120, 10043-10056.

Masashi Mizuno, Kana Sakaguchi, Iwao Sakane

Oral administration of fucoidan can exert anti-allergic activity after allergen sensitization by enhancement of galectin-9 secretion in blood 2020年2月 *Biomolecules* 10(2), 258, 2020

Sakiko Oka, Nobuaki Ohto, Hiroshige Kuwahara & Masashi Mizuno

Oral administration of pineapple glucosylceramide improves defective epidermal barrier function by restoring diminished level of TGF- β in the skin 2020年2月 *European Food Research and Technology* 246, 867-874

Fujita S, Honda K, Yamaguchi M, Fukuzo S, Saneyasu T, Kamisoyama H. Role of insulin-like growth factor-1 in the central regulation of feeding behavior in chicks. *The Journal of Poultry Science*, 56, 4, 270-276, 2019. (2019年11月発行)

本田和久. 食料自給率の向上および持続的社会の構築に向けた国産飼料米による国産鶏肉生産の検討. 畜産の

情報, 11月号, 55-62, 2019.

Lee, J

Is age-related increase of chromosome segregation errors in mammalian oocytes caused by cohesin deterioration? 2019年9月 19巻 32-41 ページ

Yoneda T, Kunimura N, Kitagawa K, Fukui Y, Saito H, Narikiyo K, Ishiko M, Otsuki N, Nibu KI, Fujisawa M, Serada S, Naka T, Shirakawa T

Overexpression of SOCS3 mediated by adenovirus vector in mouse and human castration-resistant prostate cancer cells increases the sensitivity to NK cells in vitro and in vivo.

2019 Nov. Cancer Gene Ther; 26(11-12):388-399.

Kitagawa K, Shigemura K, Sung SY, Chen KC, Huang CC, Chiang YT, Liu MC, Huang TW, Yamamichi F, Shirakawa T, Fujisawa M

Possible correlation of sonic hedgehog signaling with epithelial-mesenchymal transition in muscle-invasive bladder cancer progression. 2019 Sep J Cancer Res Clin Oncol; 145(9):2261-2271.

Ueyama T, Sakuma M, Nakatsuji M, Uebi T, Hamada T, Aiba A, Saito N: Rac-dependent signaling from keratinocytes promotes differentiation of intradermal white adipocytes, J Invest. Dermatol. 140, 75-84, 2020.

Kim BJ, Ueyama T, Miyoshi T†, Lee S, Han JH, Park HR, Kim AR, Oh J, Kim MY, Kang YS, Oh DY, Yun J, Hwang SM, Kim NKD, Park WY, Kitajiri SI*, Choi BY: Differential disruption of autoinhibition and defect in assembly of cytoskeleton during cell division decide the fates of human DIAPH1-related cytoskeletopathy, J Med. Genet. 56, 818-827, 2019.

Shirafuji T, Shimazaki H, Miyagi T, Ueyama T, Adachi N, Tanaka T, Hide I, Saito S, Sakai S: Spinocerebellar ataxia type 14 caused by a nonsense mutation in the PRKCG gene, Mol. Cell. Neurosci. 98, 46-53, 2019.

PKN1 controls the aggregation, spheroid formation, and viability of mouse embryonic fibroblasts in suspension culture. Mehruba M, Siddique SM, Mukai H.
Biochem Biophys Res Commun. 2020 Mar 5;523(2):398-404. doi: 10.1016/j.bbrc.2019.12.069.

PKN1 kinase-negative knock-in mice develop splenomegaly and leukopenia at advanced age without obvious autoimmune-like phenotypes.

Siddique SM, Kubouchi K, Shinmichi Y, Sawada N, Sugiura R, Itoh Y, Uehara S, Nishimura K, Okamura S, Ohsaki H, Kamoshida S, Yamashita Y, Tamura S, Sonoki T, Matsuoka H, Itoh T, Mukai H. Sci Rep. 2019 Sep 27;9(1):13977. doi: 10.1038/s41598-019-50419-2.

星 信彦 (2020) : 第 9 章 リンパ器官, 日本獣医解剖学会 (編), 獣医組織学 改訂第 8 版, 学窓社, 東京

Arai M, Mantani Y, Nakanishi S, Haruta T, Nishida M, Yuasa H, Yokoyama T, Hoshi N, Kitagawa H. 2020. Morphological and phenotypical diversity of eosinophils in the rat ileum. Cell Tissue Res. Accepted.

Hasegawa C, Yokoyama T, Umemura Y, Kawanishi K, Miura Y, Takada N, Ohno S, Onaru K, Omotehara T, Hirano T, Mantani Y, Miki T, Hoshi N. Establishment of an organ culture system to induce Sertoli cell differentiation from undifferentiated mouse gonads. J Vet Med Sci. 2020 Apr 9;82(4):414-421. doi: 10.1292/jvms.20-0036. Epub 2020 Feb 21.

Onaru K, Ohno S, Kubo S, Nakanishi S, Hirano T, Mantani Y, Yokoyama T, Hoshi N. Immunotoxicity evaluation by subacute oral administration of clothianidin in Sprague-Dawley rats. J Vet Med Sci. 2020 Mar 24;82(3):360-372. doi: 10.1292/jvms.19-0689. Epub 2020 Jan 27.

Takada T, Yoneda N, Hirano T, Onaru K, Mantani Y, Yokoyama T, Kitagawa H, Tabuchi Y, Nimako C, Ishizuka M, Ikenaka Y, Hoshi N. Combined exposure to dinotefuran and chronic mild stress counteracts the change of the emotional and monoaminergic neuronal activity induced by either exposure singly despite corticosterone elevation in mice. J Vet Med Sci. 2020 Mar 24;82(3):350-359. doi: 10.1292/jvms.19-0635. Epub 2020 Jan 27.

Ohno S, Ikenaka Y, Onaru K, Kubo S, Sakata N, Hirano T, Mantani Y, Yokoyama T, Takahashi K, Kato K, Arizono K, Ichise T, Nakayama SMM, Ishizuka M, Hoshi N. Quantitative elucidation of maternal-to-fetal transfer of neonicotinoid pesticide clothianidin and its metabolites in mice. Toxicol Lett. 2020, 322: 32-38. doi: 10.1016/j.toxlet.2020.01.003.

Epub 2020 Jan 7.

Hirano T, Minagawa S, Furusawa Y, Yunoki T, Ikenaka Y, Yokoyama T, Hoshi N, Tabuchi Y. Growth and neurite stimulating effects of the neonicotinoid pesticide clothianidin on human neuroblastoma SH-SY5Y cells. *Toxicol Appl Pharmacol*. 2019 Nov 15;383:114777. doi: 10.1016/j.taap.2019.114777. Epub 2019 Oct 15.

Yuasa H, Mantani Y, Miyamoto K, Nishida M, Arai M, Tsuruta H, Yokoyama T, Hoshi N, Kitagawa H. Effects of the expansion of bacterial colonies into the intervillous spaces on the localization of several lymphocyte lineages in the rat ileum. *J Vet Med Sci*. 2019 Apr 16;81(4):555-566. doi: 10.1292/jvms.18-0734. Epub 2019 Feb 25. (前年報告漏れ)

Mantani Y, Haruta T, Nishida M, Yokoyama T, Hoshi N, Kitagawa H. Three-dimensional analysis of fibroblast-like cells in the lamina propria of the rat ileum using serial block-face scanning electron microscopy. *J Vet Med Sci*. 2019 Mar 30;81: 454-465. doi: 10.1292/jvms.18-0654. Epub 2019 Jan 29.

Yokoyama T, Miura Y, Yamamoto A, Hasegawa C, Kawanishi K, Takada N, Omotehara T, Hirano T, Mantani Y, Miki T, Hoshi N. Genetic differences between C57BL/6 substrains affect the process of testis differentiation in YPOS mice. 2019, *J Vet Med Sci*. 2019 Apr 27;81(4):608-611. doi: 10.1292/jvms.18-0621. Epub 2019 Mar 4.

Kumabe Y, Fukui T, Takahara S, Kuroiwa Y, Arakura M, Oe K, Oda T, Sawauchi K, Matsushita T, Matsumoto T, Hayashi S, Kuroda R, Niikura T.

Percutaneous CO₂ Treatment Accelerates Bone Generation During Distraction Osteogenesis in Rabbits
2020 年 8 月 Clin Orthop Relat Res 8 • 8 1922-1935

Takahara S, Lee SY, Iwakura T, Oe K, Fukui T, Okumachi E, Arakura M, Sakai Y, Matsumoto T, Matsushita T, Kuroda R, Niikura T.

Altered microRNA profile during fracture healing in rats with diabetes.

2020 年 4 月 J Orthop Surg Res 1 • 1 135-

Oda T, Niikura T, Fukui T, Arakura M, Oe K, Mifune Y, Hayashi S, Matsumoto T, Matsushita T, Kuroda R.

Ras associated with diabetes may play a role in fracture nonunion development in rats.

2019 年 12 月 BMC Musculoskelet Disord 1 • 1 602-

Oda T, Iwakura T, Fukui T, Oe K, Mifune Y, Hayashi S, Matsumoto T, Matsushita T, Kawamoto T, Sakai Y, Akisue T, Kuroda R, Niikura T.

Effects of the duration of transcutaneous CO₂ application on the facilitatory effect in rat fracture repair.

2019 年 10 月 J Orthop Sci 19 • 19 30292-1-

Yoshiki Takeoka, Takashi Yurube, Koichi Morimoto, Saori Kunii, Yutaro Kanda, Ryu Tsujimoto, Yohei Kawakami, Naomasa Fukase, Toshiyuki Takemori, Kaoru Omae, Yuji Kakiuchi, Shingo Miyazaki, Kenichiro Kakutani, Toru Takada, Kotaro Nishida, Masanori Fukushima, Ryosuke Kuroda

Reduced nucleotomy-induced intervertebral disc disruption through spontaneous spheroid formation by the Low Adhesive Scaffold Collagen (LASCol)

2020 年 3 月 Biomaterials 119781

Takashi Yurube, Masaaki Ito, Yuji Kakiuchi, Ryosuke Kuroda, Kenichiro Kakutani

Autophagy and mTOR signaling during intervertebral disc aging and degeneration

2020 年 2 月 JOR Spine 1 • 1 e1082

Yoshiki Takeoka, Takashi Yurube, Kotaro Nishida

Gene therapy approach for intervertebral disc degeneration: an update

2020 年 3 月 Neurospine 1 • 1 3-14

Kato D, Wake H, Lee PR, Tachibana Y, Ono R, Sugio S, Tsuji Y, Tanaka YH, Tanaka YR, Masamizu Y, Hira R, Moorhouse AJ, Tamamaki N, Ikenaka K, Matsukawa N, Fields RD, Nabekura J, Matsuzaki M.

Motor learning requires myelination to reduce asynchrony and spontaneity in neural activity.

2020 年 1 月 Glia 1 • 1 193-210

Haruwaka K, Ikegami A, Tachibana Y, Ohno N, Konishi H, Hashimoto A, Matsumoto M, Kato D, Ono R, Kiyama H, Moorhouse AJ, Nabekura J, Wake H.

Dual microglia effects on blood brain barrier permeability induced by systemic inflammation.

Tsuji T, Ozasa H, Aoki W, Aburaya S, Yamamoto Funazo T, Furugaki K, Yoshimura Y, Yamazoe M, Ajimizu H, Yasuda Y, Nomizo T, Yoshida H, Sakamori Y, Wake H, Ueda M, Kim YH, Hirai T.

YAP1 mediates survival of ALK-rearranged lung cancer cells treated with alectinib via pro-apoptotic protein regulation.
2020年1月 Nat Commun 1·1 74

Uemura Y, Haque T, Sato F, Tsutsumi Y, Ohara H, Oka A, Furuta T, Bae YC, Yamashiro T, Tachibana Y, Yoshida A.
Proprioceptive thalamus receiving forelimb and neck muscle spindle inputs via the external cuneate nucleus in the rat.
2020年9月 Brain Struct Funct 7·7 2177-2192

Ikeda T, Nishita M, Hoshi K, Honda T, Kakeji Y, Minami Y
Mesenchymal stem cell-derived CXCL16 promotes progression of gastric cancer cells by STAT3-mediated expression of Ror1
2020年4月 Cancer Sci 4·4 1254-1265

Hashimoto M, Kumabe A, Kim JD, Murata K, Sekizar S, Williams A, Lu W, Ishida J, Nakagawa T, Endo M, Minami Y, Fukamizu A
Loss of PRMT1 in the CNS induces reactive astrocytes and microglia during postnatal brain development
2020年8月 J Neurochem

Koichi Kitagawa, Katsumi Shigemura, Shian-Ying Sung, Kuan-Chou Chen, Chao-Ching Huang, Yi-Te Chiang, Ming-Che Liu, Tzu-Wen Huang, Fukashi Yamamichi, Toshiro Shirakawa, Masato Fujisawa
Possible correlation of sonic hedgehog signaling with epithelial-mesenchymal transition in muscle-invasive bladder cancer progression
"2019年9月 J Cancer Res Clin Oncol
9·9 2261-2271"

Kato W, Nishio M, To Y, Togashi H, Mak TW, Takada H, Ohga S, Maehama T, Suzuki A.
MOB1 regulates thymocyte egress and T-cell survival in mice in a YAP1-independent manner.
2019年7月 Genes Cells. 7·7 485-495

Mukohyama J, Isobe T, Hu Q, Hayashi T, Watanabe T, Maeda M, Yanagi H, Qian X, Yamashita K, Minami H, Mimori K, Sahoo D, Kakeji Y, Suzuki A, Dalerba P, Shimono Y.
miR-221 Targets QKI to Enhance the Tumorigenic Capacity of Human Colorectal Cancer Stem Cells.
2019年10月 Cancer Res. 20·20 5151-5158

Kobayashi T, Uegaki M, Kita Y, Shirakawa R, Teramoto Y, Kamiyama Y, Saito R, Yoshikawa T, Sakamoto H, Goto T, Akamatsu S, Yamasaki T, Inoue T, Suzuki A, Horiuchi H, Ogawa O.
Downregulation of RalGTPase-activating protein promotes invasion of prostatic epithelial cells and progression from intraepithelial neoplasia to cancer during prostate carcinogenesis.
2019年12月 Carcinogenesis 12·12 1535-1544

Omori H, Nishio M, Masuda M, Miyachi Y, Ueda F, Nakano T, Sato K, Mimori K, Taguchi K, Hikasa H, Nishina H, Tashiro H, Kiyono T, Mak TW, Nakao K, Nakagawa T, Maehama T, Suzuki A.
YAP1 is a potent driver of the onset and progression of oral squamous cell carcinoma.
2020年3月 Sci Adv 12·12 eaay3324

Nishio M, To Y, Maehama T, Aono Y, Otani J, Hikasa H, Kitagawa A, Mimori K, Sasaki T, Nishina H, Toyokuni S, Lydon J, Nakao K, Mak TW, Kiyono T, Katauchi H, Tashiro H, Suzuki A.
Endogenous YAP1 activation Drives Immediate Onset of Cervical Carcinoma in Situ in Mice.
2020年7月 Cancer Science in Press

Ooshio T, Yamamoto M, Fujii K, Xin B, Watanabe K, Goto M, Okada Y, Suzuki A, Penninger JM, Nishina H, Nishikawa Y.
Hepatocyte MKK7 Contributes to Restoration of the Liver Parenchyma Following Injury
2020年 Hepatology in Press

Nishimura M, Nomura Y, Egi M, Obata N, Tsunoda M, Mizobuchi S.
Suppression of behavioral activity and hippocampal noradrenaline caused by surgical stress in type 2 diabetes model mice.
2020年2月 BMC Neuroscience 8·8

Urade T, Yoshida T, Ikeo N, Naka K, Kido M, Toyama H, Ueno K, Tanaka M, Mukai T, Fukumoto T. Novel biodegradable magnesium alloy clips compared with titanium clips for hepatectomy in a rat model. 2019年9月 BMC Surg. 1・1 130-137

Wang B, Saito Y, Nishimura M, Ren Z, Tjan LH, Refaat A, Iida-Norita R, Tsukamoto R, Komatsu M, Itoh T, Matozaki T, Mori Y. An Animal Model That Mimics Human Herpesvirus 6B Pathogenesis 2020年2月 J Virol 6・6 e01851-19

Katsuyama A, Kusuhara S, Asahara SI, Nakai SI, Mori S, Matsumiya W, Miki A, Kurimoto T, Imai H, Kido Y, Ogawa W, Nakamura M.

En face slab optical coherence tomography imaging successfully monitors progressive degenerative changes in the innermost layer of the diabetic retina 2020年3月 BMJ Open Diabetes Res Care e001120-

Mori S, Kurimoto T, Miki A, Maeda H, Kusuhara S, Nakamura M.

Aqp9 Gene Deletion Enhances Retinal Ganglion Cell (RGC) Death and Dysfunction Induced by Optic Nerve Crush: Evidence that Aquaporin 9 Acts as an Astrocyte-to-Neuron Lactate Shuttle in Concert with Monocarboxylate Transporters To Support RGC Function and Survival 2020年8月 Mol Neurobiol

Landegger LD, Vasilijic S, Fujita T, Soares VY, Seist R, Xu L, Stankovic KM

Cytokine Levels in Inner Ear Fluid of Young and Aged Mice as Molecular Biomarkers of Noise-Induced Hearing Loss 2019年9月 Front Neurol 10・10 977

Kakigi A, Egami N, Uehara N, Fujita T, Nibu KI, Yamashita S, Yamasoba T

Live imaging and functional changes of the inner ear in an animal model of Meniere's disease 2020年6月 Sci Rep 1・1 12271

井之口豪, 丹生健一

頭頸部 HPV 陽性扁平上皮癌マウスモデルにおける放射線分割照射と抗 PD-1 抗体併用療法の効果 2019年6月 耳鼻咽喉科免疫アレルギー 2・2 70-71

Kitao A, Kawamoto S, Kurata K, Hayakawa I, Yamasaki T, Matsuoka H, Sumi Y, Kakeji Y, Kamesaki T, Minami H. Band 3 ectopic expression in colorectal cancer induces an increase in erythrocyte membrane-bound IgG and may cause immune-related anemia

2020年5月 International Journal of Hematology 5・5 657-666

川本 晋一郎

続発性自己免疫性溶血性貧血における自己抗体の標的分子の同定 2020年5月 臨床血液 5・5 491-501

Goswami C, Dezaki K, Wang L, Inui A, Seino Y, Yada T.

Ninjin-yoeito activates ghrelin-responsive and unresponsive NPY neurons in the arcuate nucleus and counteracts cisplatin-induced Anorexia. 2019年6月 Neuropeptides 58-64

Yang Y, Zhang B, Nakata M, Nakae J, Mori M, Yada T.

Islet β -cell-produced NUCB2/nesfatin-1 maintains insulin secretion and glycemia along with suppressing UCP-2 in β -cells. 2019年9月 J Physiol Sci 5・5 733-739

Katsurada K, Nakata M, Saito T, Zhang B, Maejima Y, Nandi SS, Sharma NM, Patel KP, Kario K, Yada T.

Central Glucagon-like Peptide-1 Receptor Signaling via Brainstem Catecholamine Neurons Counteracts Hypertension in Spontaneously Hypertensive Rats. 2019年9月 Sci Rep 1・1 12986

Iwasaki Y, Kumari P, Wang L, Hidema S, Nishimori K, Yada T.

Relay of peripheral oxytocin to central oxytocin neurons via vagal afferents for regulating feeding. 2019年11月 Biochem Biophys Res Commun 3・3 553-558

Chayon Goswami, Katsuya Dezaki, Lei Wang, Akio Inui, Yutaka Seino, Toshihiko Yada.

Ninjin'yo-eto targets distinct Ca^{2+} channels to activate ghrelin-responsive vs. unresponsive NPY neurons in the arcuate nucleus. 2020年7月 Frontiers in Nutrition, section Clinical Nutrition 104-

Harunori Miyauchi 1 , Kazumichi Fujioka 2 , Saki Okubo 2 , Kosuke Nishida 2 , Mariko Ashina 2 , Toshihiko Ikuta 2 , Yuichi Okata 1 , Kosaku Maeda 3 , Kazumoto Iijima 2 , Yuko Bitoh 1
Insulin therapy for hyperglycemia in neonatal sepsis using a preterm mouse model
2020 年 May 月 Pediatr Int. 5 · 5 581-586

Mariko Ashina 1 , Kazumichi Fujioka 2 , Kosuke Nishida 1 , Saki Okubo 1 , Toshihiko Ikuta 1 , Masakazu Shinohara 3 , Kazumoto Iijima
Recombinant human thrombomodulin attenuated sepsis severity in a non-surgical preterm mouse model
2020 年 1 月 Sci Rep 1 · 1 333

Yasuyoshi Okamura, Nobuyuki Hinata, Taichi Hoshiba, Tatsuya Nakatsuji, Naoko Ikeo, Junya Furukawa, Kenichi Harada, Yuzo Nakano, Takumi Fukumoto, Toshiji Mukai, Masato Fujisawa
"Development of bioabsorbable zinc-magnesium alloy wire
and validation of its application to urinary tract surgeries"
2020 年 2 月 World Journal of Urology

Hayami T, Yokoi N, Yamaguchi T, Honda K, Murao N, Takahashi H, Wang S, Seino Y, Kamiya H, Yabe D, Sweet IR, Mizoguchi A, Nakamura J, Seino S
Tumor-like features of gene expression and metabolic profiles in enlarged pancreatic islets are associated with impaired incretin-induced insulin secretion in obese diabetes: A study of Zucker fatty diabetes mellitus rat
2020 年 J Diabtes Investig

Furuyashiki T, Akiyama S, Kitaoka S
Roles of multiple lipid mediators in stress and depression 2019 年 8 月 Int Immunol 9 · 9 579-587

Furuyashiki T, Kitaoka S
Neural mechanisms underlying adaptive and maladaptive consequences of stress: Roles of dopaminergic and inflammatory responses 2019 年 11 月 Psychiatry Clin Neurosci 11 · 11 669-675

Ishikawa R, Uchida C, Kitaoka S, Furuyashiki T, Kida S
Improvement of PTSD-like behavior by the forgetting effect of hippocampal neurogenesis enhancer memantine in a social defeat stress paradigm 2019 年 8 月 Mol Brain 1 · 1 68

Ano Y, Kita M, Kitaoka S, Furuyashiki T
Leucine-Histidine Dipeptide Attenuates Microglial Activation and Emotional Disturbances Induced by Brain Inflammation and Repeated Social Defeat Stress 2019 年 9 月 Nutrients 9 · 9 2161

Ayabe T, Ano Y, Ohya R, Kitaoka S, Furuyashiki T
The Lacto-Tetrapeptide Gly-Thr-Trp-Tyr, β -Lactolin, Improves Spatial Memory Functions via Dopamine Release and D1 Receptor Activation in the Hippocampus 2019 年 10 月 Nutrients 10 · 10 2469

Rajput SK, Kumar M, Quan X, Morita M, Furuyashiki T, Awatsuji Y, Tajahuerce E, Matoba O
Three-dimensional fluorescence imaging using the transport of intensity equation
2019 年 11 月 J Biomed Opt 3 · 3 1-7

Numa C, Nagai H, Taniguchi M, Nagai M, Shinohara R, Furuyashiki T
Social defeat stress-specific increase in c-Fos expression in the extended amygdala in mice: Involvement of dopamine D1 receptor in the medial prefrontal cortex 2019 年 11 月 Sci Rep 1 · 1 16670

Nie X, Kitaoka S, Shinohara M, Kakizuka A, Narumiya S, Furuyashiki T
Roles of Toll-like receptor 2/4, monoacylglycerol lipase, and cyclooxygenase in social defeat stress-induced prostaglandin E 2 synthesis in the brain and their behavioral relevance
2019 年 11 月 Sci Rep 1 · 1 17548

Ishikawa Y, Kitaoka S, Kawano Y, Ishii S, Suzuki T, Wakahashi K, Kato T, Katayama Y, Furuyashiki T
Repeated social defeat stress induces neutrophil mobilization in mice: maintenance after cessation of stress and strain-dependent difference in response
2020 年 7 月 Br J Pharmacol

Nagai M, Nagai H, Numa C, Furuyashiki T

Stress-induced sleep-like inactivity modulates stress susceptibility in mice
2020 年 Sci Rep

白川利朗、北川孝一
細胞表層工学の進展
2020 年 4 月 株式会社 CMC 出版 87-94

前濱 朝彦、西尾 美希、鈴木 聰
哺乳類 Hippo 経路による細胞接着の制御と細胞競合
2020 年 5 月 医学のあゆみ 457-462

岩崎有作、矢田俊彦
GLP-1 リリーザー：希少糖アルロースの求心性迷走神経 GLP-1 シグナリングを介した過食、肥満、糖尿病改善
2019 年 6 月 内分泌・糖尿病・代謝内科 426-

矢田俊彦、前川文彦
認知症における食欲の亢進と不振—病態連関から食介入へ
2019 年 6 月 臨床栄養 952-957

矢田俊彦、岩崎有作
摂食行動を支配する腸管ホルモン・迷走神経連関
2019 年 10 月 メディカル・サイエンス・ダイジェスト 6-9

矢田俊彦
人参養栄湯が秘める可能性を科学的に解明する～食欲／摂食低下を改善する人参養栄湯の可能性～
2019 年 7 月 phil 漢方 3-8

岩崎有作、矢田俊彦
末梢・中枢オキシトシン連間による過食・肥満・糖尿病改善作用
2020 年 7 月 糖尿病・内分泌代謝科 28-35

矢田俊彦、王磊
人参養栄湯による食欲促進とメカニズム：抗フレイルのストラテジー
2020 年 7 月 糖尿病・内分泌代謝科 42-46

Miyakawa M, Kawashima M, Haba D, Sugiyama M, Taniguchi K, Arakawa T*(2020)Inhibition of the migration of MCP-1 positive cells by icing applied soon after crush injury to rat skeletal muscle. Acta Histochem(Epub ahead of print, in press)

Haba D, Arakawa T*(2020) Chronological changes in rat heel skin following depressurization of pressure ulcer-like dermal lesions. Acta Histochem(Epub ahead of print, in press)

PML-RAR α induces all-trans retinoic acid-dependent transcriptional activation through interaction with MED1.
Fukuoka T, Kawai A, Takahara T, Mori M, Roeder RG, Hasegawa N, Ito M.
Transcription.2019;10(3):147-156.

Arisa Yaekura, Kohsuke Yoshida, Kanta Morii, Yuto Oketani, Ikumi Okumura, Kenta Kaneshiro, Nao Shibanuma, Yoshitada Sakai, and Akira Hashiramoto.

Chronotherapy targeting cytokine secretion attenuates collagen-induced arthritis in mice.
2020 年 International Immunopharmacology. (in press)

平林卓己, 中西亮介, 前重伯壯, 藤野英己.心不全に伴う骨格筋の速筋化とミトコンドリア機能障害に対するパルス磁気刺激の効果. 物理療法科学, in press

中西亮介, 平山佑介, 上野瑞季, 前重伯壯, 藤野英己. 悪液質由来の骨格筋委縮に対するパルス超音波療法の予防効果, 物理療法科学 in press

Xing Li, Tomohiro Matsumoto, Miho Takuwa, Mahmood Saeed Ebrahim Shaiku Ali, Takumi Hirabayashi, Hiroyo Kondo, Hidemi Fujino. Protective Effects of Astaxanthin Supplementation against Ultraviolet-Induced Photoaging in Hairless

Mice. Biomedicines, 8(2), 2020.

Yoshikawa M, Morifuji T, Matsumoto T, Maeshige N, Tanaka M, Fujino H. Effects of combined treatment with blood flow restriction and low current electrical stimulation on muscle hypertrophy in rats. *J Appl Physiol*(1985). 2019 Sep 26.

Miho Kanazashi, Masayuki Tanaka, Ryosuke Nakanishi, Noriaki Maeshige, Hidemi Fujino. Effects of astaxanthin supplementation and electrical stimulation on muscle atrophy and decreased oxidative capacity in soleus muscle during hindlimb unloading in rats. *The Journal of Physiological Sciences*. 2019;69(2):223-233

Tanaka M, Sugimoto K, Fujimoto T, Xie K, Takahashi T, Akasaka H, Kurinami H, Yasunobe Y, Matsumoto T, Fujino H, Rakugi H. :Preventive effects of low-intensity exercise on cancer cachexia-induced muscle atrophy. *FASEB J*. 2019 Jul;33(7):7852-7862

Inoue S, Moriyama H, Yakuwa T, Mizuno E, Suzuki R, Nomura M, Sakai Y, Akisue T
Transcutaneous carbon dioxide improves contractures after spinal cord injury in rats
2019年8月 Clin Orthop Relat Res., Volume 477, Issue 8, pp 1934-1946

Moriyama H, Yakuwa T, Wakigawa T, Kito N, Sakai Y, Akisue T
Effects of hypertonia on contracture development in rat spinal cord injury
2019年10月 Spinal Cord, Volume 57, Issue 10, pp 850-857

Potokar, M., Morita, M., Wiche, G., Jorgačevski, J., The Diversity of Intermediate Filaments in Astrocytes. *Cells*. 9(7): 1604 (2020)

Nishimura, Y., Ezawa, R., Morita, K., Nakayama, M., Ishii, J., Sasaki, R., Ogino, C., Kondo, A. (2020/09) In vivo evaluation of the ZHER2-BNC/LP carrier encapsulating an anticancer drug and a radiosensitizer, ACS Applied Bio Materials, 3(11), 7743-7751

Morita, K., Nishimura, Y., Nakamura, S., Arai, Y., Numako, C., Sato, K., Nakayama, M., Akasaka, H., Sasaki, R., Ogino, C., Kondo, A. Titanium oxide nano-radiosensitizers for hydrogen peroxide delivery into tumor cells, Colloids and Surfaces B: Biointerfaces, in press

Yoshiko AIHARA, Yota FUKUDA, Akiyoshi TAKIZAWA, Naomi OSAKABE, Tomomi AIDA, Khoichi TANAKA, Soichiro YOSHIKAWA, Hajime KARASUYAMA, Takahiro ADACHI
Visualization of mechanical stress-mediated Ca²⁺ signaling in the gut using intravital imaging
2020年.Bioscience of Microbiota, Food and Health 39(4)

Kitakaze T, Yuan S, Inoue M, Yoshioka Y, Yamashita Y, Ashida H. 6-(Methylsulfinyl)hexyl isothiocyanate protects acetaldehyde-caused cytotoxicity through the induction of aldehyde dehydrogenase in hepatocytes. *Arch Biochem Biophys*. 2020 Jun, 15;686:108329.

Ashida H, Tian X, Kitakaze T, Yamashita Y. Bisacurone suppresses hepatic lipid accumulation through inhibiting lipogenesis and promoting lipolysis., *J Clin Biochem Nutr*. 2020 Jul;67(1):43-52.

Yoshioka Y, Kitakaze T, Mitani T, Furuyashiki T, Ashida H. Enzymatically synthesized glycogen prevents ultraviolet B-induced cell damage in normal human epidermal keratinocytes. *J Clin Biochem Nutr*. 2020 Jul;67(1):36-42.

Hironao KY, Mitsuhashi Y, Huang S, Oike H, Ashida H, Yamashita Y. Cacao polyphenols regulate the circadian clock gene expression and through glucagon-like peptide-1 secretion. *J Clin Biochem Nutr*. 2020 Jul;67(1):53-60.

Hironao KY, Ashida H, Yamashita Y. The cacao procyanidin extract-caused anti-hyperglycemic effect was changed by the administration timings. *J Clin Biochem Nutr.* 2020 Jul;67(1):61-66.

Jiang H, Horiuchi Y, Hironao KY, Kitakaze T, Yamashita Y, Ashida H. Prevention effect of quercetin and its glycosides on obesity and hyperglycemia through activating AMPK α in high-fat diet-fed ICR mice. *J Clin Biochem Nutr.* 2020 Jul;67(1):74-83.

Yoshioka Y, Samukawa Y, Yamashita Y, Ashida H. 4-Hydroxyderricin and xanthoangelol isolated from Angelica keiskei prevent dexamethasone-induced muscle loss. *Food Funct.* 2020 Jun 24;11(6):5498-5512.

Yamashita Y, Sakakibara H, Toda T, Ashida H. Insights into the potential benefits of black soybean (*Glycine max L.*) polyphenols in lifestyle diseases. *Food Funct.* 2020 Sep 23;11(9):7321-7339.

Kitakaze T, Jiang H, Nomura T, Hironao KY, Yamashita Y, Ashida H. Kaempferol Promotes Glucose Uptake in Myotubes through a JAK2-Dependent Pathway. *J Agric Food Chem.* 2020 Nov 25;68(47):13720-13729.論文)

Shuji Ueda, Ryo Sasaki, Rio Nakabayashi, Minoru Yamanoue, Yasuhito Shirai, Eiji Iwamoto. (2021) Exploring the Lipids Involved in the Formation of Characteristic Lactones in Japanese Black Cattle. *Metabolites* 11, 203.

Ryosuke Tsumagari, Kenta Maruo, Takaaki Nakao, Shuji Ueda, Minoru Yamanoue, Yasuhito Shirai. (2021) Motor dyscoordination and alteration of functional correlation between DGK γ and PKC γ in senescence-accelerated mouse prone 8 (SAMP8). *Frontier in aging neuroscience* 13, 573966.

Yasuhito Shirai, Hisakazu Kobayashi, Shuji Ueda, Yun Sang Soon, Akiho Kushiya, Ryosuke Tsumagari, Minoru Yamanoue. (2021). Protective effect of Zingiber zerumbet Smith extract on thermotolerance. *Bioactive Compound in Health and Disease* 4, 1-8.

Shuji Ueda, Minoru Yamanoue, Yasuhito Shirai, Eiji Iwamoto. (2021) Exploring the Characteristic Aroma of Beef from Japanese Black Cattle (Japanese Wagyu) via Sensory Evaluation and Gas Chromatography-Olfactometry.. *Metabolites* 11, 56.

Daiki Hayashi D, Kinging Wang, Shuji Ueda S, Minoru Yamanoue M, Hitoshi Ashida, Yasuhito Shirai. (2020) The mechanisms of ameliorating effect of a green tea polyphenol on diabetic nephropathy based on diacylglycerol kinase α . *Sci Rep.* 10, 11790.

Yanan Zhao, Masahiro Nishida, Shuji Ueda, Yasuhito Shirai, Masaaki Habara, Hidekazu Ikezaki, Minoru Yamanoue. (2020) Comparative Study of the Effects of Different Pretreatment Procedures on Beef Taste-trait Using an Electronic Taste Sensing System. *Food Science and Technology Research*, 26, 329-338.

Polysaccharides from *Pyropia yezoensis* f. *narawaensis* ameliorate type I hypersensitivity through the secretion of interleukin 10

Yuki Yonekura, Hikari Ueno, Ken-ichoro Minato, Masashi Mizuno
Food Science and Technology Research, 26(6), 847-854, 2020

Lactobacillus plantarum 22A-3 exerts anti-allergic activity through TGF- β secretion in passive cutaneous

anaphylaxis of mice

Minagi Fujii, Ko Fukuura, Nobuaki Ohto, Hiroshige Kuwahara and Masashi Mizuno

International Journal of Food Science and Nutrition, 2020 (in press)

Synergistic anti-allergy activity using a combination of *Enterococcus faecalis* IC-1 and luteolin

Lulu Han, Iwao Sakane and Masashi Mizuno

Food Bioscience, 2021 (in press)

Atsushi WADA and Hiroshi HARAYAMA

Calmodulin is involved in the occurrence of extracellular Ca^{2+} -dependent full-type hyperactivation in boar ejaculated spermatozoa incubated with cyclic AMP analogs

2021. Animal Science Journal, in press

Hoshi N. (2020): Adverse Effects of Pesticides on Regional Biodiversity and Their Mechanisms. pp. 235–247. In. Risks and Regulation of New Technologies. (Matsuda T, Wolff J and Yanagawa T, eds), Springer, Singapore.

星 信彦(2020) : 第9章 リンパ器官, 日本獣医解剖学会(編), 獣医組織学 改訂第8版, 学窓社, 東京 (ISBN 9784873627731)

Hirano T, Miyata U, Kubo S, Ohno S, Onaru K, Maeda M, Kitauchi S, Nishi M, Tabuchi Y, Ikenaka Y, Ichise T, Nakayama SMM, Arizono K, Takahashi K, Kato K, Mantani Y, Yokoyama T, Hoshi N. (2021): Aging-related changes in the sensitivity of behavioral effects of the neonicotinoid pesticide clothianidin in male mice. *Toxicol Lett*, 2021 May 15;342:95-103. doi: 10.1016/j.toxlet.2021.02.010. Epub 2021 Feb 17.

Kitauchi S, Maeda M, Hirano T, Ikenaka Y, Nishi M, Shoda A, Murata M, Mantani Y, Yokoyama T, Tabuchi Y, Hoshi N. 2021. Effects of in utero and lactational exposure to the no-observed-adverse-effect level (NOAEL) dose of the neonicotinoid clothianidin on the reproductive organs of female mice. *J. Vet. Med. Sci.* 83, *in press* (2021 Feb 9. doi: 10.1292/jvms.21-0014. Online ahead of print)

Maeda M, Kitauchi S, Hirano T, Ikenaka Y, Nishi M, Shoda A, Murata M, Mantani Y, Tabuchi Y, Yokoyama T, Hoshi N. 2021. Fetal and lactational exposure of the no-observed-adverse-effect level (NOAEL) dose of the neonicotinoid pesticide clothianidin inhibits neurogenesis and induces different behavioral abnormalities at the developmental stages in male mice. *J. Vet. Med. Sci.* 2021 Apr 3;83(3):542-548. doi: 10.1292/jvms.20-0721.

Nimako C, Ikenaka Y, Okamatsu-Ogura Y, Bariuan JV, Kobayashi A, Yamazaki R, Taira K, Hoshi N, Hirano T, Nakayama SMM, Ishizuka M. 2021. Chronic low-dose exposure to imidacloprid potentiates high fat diet-mediated liver steatosis in C57BL/6J male mice. *J Vet Med Sci.* 2021 Jan 25. doi: 10.1292/jvms.20-0479. Online ahead of print.

Tabuchi Y, Hasegawa H, Suzuki N, Furusawa Y, Hirano T, Nagaoka R, Hirayama J, Hoshi N, Mochizuki T. 2021. Genetic response to low-intensity ultrasound on mouse ST2 bone marrow stromal cells. *Mol Med Rep.* 23: 173. doi.org/10.3892/mmr.2020.11812, Epub 2021 Jan 5.

Maeda M, Yokoyama T, Kitauchi S, Hirano T, Mantani Y, Tabuchi Y, Hoshi N. 2021. Influence of acute exposure to a low dose of systemic insecticide fipronil on locomotor activity and emotional behavior in adult male mice. *J Vet Med Sci.* 2021 Mar 5;83(2):344-348. doi: 10.1292/jvms.20-0551.

Nakanishi S, Mantani Y, Haruta T, Yokoyama T, Hoshi N. 2020. Three-dimensional analysis of neural connectivity with cells in rat ileal mucosa by serial block-face scanning electron microscopy. *J Vet Med Sci.* 2020 Jul 31;82(7):990-999. doi: 10.1292/jvms.20-0175.

Inamoto T, Mizobata J, Mantani Y, Yokoyama T, Hoshi N, Kitagawa H, Takahashi J. 2020. New method of injecting solution into the abdomen to overcome fixation delay of the midgut on making the histological specimens of honeybee worker. *Appl Entomol Zool*, 55: 351-354.

Tabuchi Y, Hasegawa H, Suzuki N, Furusawa Y, Hirano T, Nagaoka R, Hirayama J, Hoshi N, Mochizuki T. Identification of early response genes to low-intensity pulsed ultrasound in bone marrow stromal cells. *J Med Ultrasonics*, 2020 in press

Arai M, Mantani Y, Nakanishi S, Haruta T, Nishida M, Yuasa H, Yokoyama T, Hoshi N, Kitagawa H. 2020. Morphological and phenotypical diversity of eosinophils in the rat ileum. *Cell Tissue Res.* 2021 Sep;381(3):439-450. doi: 10.1007/s00441-020-03209-6

Hasegawa C, Yokoyama T, Umemura Y, Kawanishi K, Miura Y, Takada N, Ohno S, Onaru K, Omotehara T, Hirano T, Mantani Y, Miki T, Hoshi N. 2020. Establishment of an organ culture system to induce Sertoli cell differentiation from undifferentiated mouse gonads. *J Vet Med Sci.* 82(4):414-421. doi: 10.1292/jvms.20-0036. Epub 2020 Feb 21.

Onaru K, Ohno S, Kubo S, Nakanishi S, Hirano T, Mantani Y, Yokoyama T, Hoshi N. Immunotoxicity evaluation by subacute oral administration of clothianidin in Sprague-Dawley rats. *J Vet Med Sci.* 2020 Mar 24;82(3):360-372. doi: 10.1292/jvms.19-0689. Epub 2020 Jan 27.

Takada T, Yoneda N, Hirano T, Onaru K, Mantani Y, Yokoyama T, Kitagawa H, Tabuchi Y, Nimako C, Ishizuka M, Ikenaka Y, Hoshi N. Combined exposure to dinotefuran and chronic mild stress counteracts the change of the emotional and monoaminergic neuronal activity induced by either exposure singly despite corticosterone elevation in mice. *J Vet Med Sci.* 2020 Mar 24;82(3):350-359. doi: 10.1292/jvms.19-0635. Epub 2020 Jan 27.

Ohno S, Ikenaka Y, Onaru K, Kubo S, Sakata N, Hirano T, Mantani Y, Yokoyama T, Takahashi K, Kato K, Arizono K, Ichise T, Nakayama SMM, Ishizuka M, Hoshi N. Quantitative elucidation of maternal-to-fetal transfer of neonicotinoid pesticide clothianidin and its metabolites in mice. *Toxicol Lett.* 2020, 322: 32-38. doi: 10.1016/j.toxlet.2020.01.003. Epub 2020 Jan 7.

Honda K, Kewan A, Osada H, Saneyasu T, Kamisoyama H. Central administration of insulin-like growth factor-2 suppresses food intake in chicks. *Neuroscience Letters*, 751, 135797. (2021年3月発行)

Kewan A, Saneyasu T, Kamisoyama H, Honda K. Effects of fasting and re-feeding on the expression of CCK, PYY, hypothalamic neuropeptides, and IGF-related genes in layer and broiler chicks. *Comparative Biochemistry and Physiology Part A: Molecular & Integrative Physiology*, 257, 110940, 2021. (2021年4月発行)

Honda K. Peripheral regulation of food intake in chickens -adiposity signals, satiety signals, and others. *World's Poultry Science Journal*, in press

Kunimura N, Kitagawa K, Sako R, Narikiyo K, Tominaga S, Bautista DS, Xu W, Fujisawa M, Shirakawa T. Combination of rAd-p53 in situ gene therapy and anti-PD-1 antibody immunotherapy induced anti-tumor activity in mouse syngeneic urogenital cancer models. *Sci Rep.* 2020 Oct 15;10(1):17464.

Morioka S, Sakaguchi H, Mohri H, Taniguchi-Ikeda M, Kanagawa M, Suzuki T, Miyagoe-Suzuki Y, Toda T, Saito N, Ueyama T*: Congenital hearing impairment associated with peripheral cochlear nerve dysmyelination in glycosylation-deficient muscular dystrophy.

PLOS Genet. 16(5): e1008826, 2020.

Ninoyu Y, Sakaguchi H, Chen L, Suzuki T, Hirano S, Hisa Y, Saito N, Ueyama T*: The integrity of cochlear hair cells is established and maintained through the localization of Dial1 at apical junctional complexes and stereocilia.

Cell Death Dis. 11(7): 536, 2020. (IF= 6.304)

PKN2 is involved in aggregation and spheroid formation of fibroblasts in suspension culture by regulating cell motility and N-cadherin expression

Koji Kubouchi, Hideyuki Mukai

Biochemistry and Biophysics Reports 25 100895 - 100895 2021 年 3 月

PKN1 promotes synapse maturation by inhibiting mGluR-dependent silencing through neuronal glutamate transporter activation

Hiroki Yasuda, Hikaru Yamamoto, Kenji Hanamura, Mona Mehruba, Toshio Kawamata, Hiromi Morisaki, Masaaki Miyamoto, Shinji Takada, Tomoaki Shirao, Yoshitaka Ono, Hideyuki Mukai

Communications Biology 3(1) 2020 年 12 月

Ami Oguro, Yasuhiro Ishihara, Ferbian Milas Siswanto, Takeshi Yamazaki, Atsuhiko Ishida, Hiromasa Imaishi, Susumu Imaoka

Contribution of DHA diols (19,20-DHDP) produced by cytochrome P450s and soluble epoxide hydrolase to the beneficial effects of DHA supplementation in the brains of rotenone-induced rat models of Parkinson's disease (2020.12)

Biochimica et Biophysica Acta (BBA) - Molecular and Cell Biology of Lipids, 158858

Shun tamaki, Hiromasa Imaishi

Inhibitory effects of type 2 diabetes serum components in P450 inhibition assays can potential diagnose asymptomatic diabetic mice (2020.12)

Drug Metabolism and Pharmacokinetics, 497-504

Marie Yamada, Koji Hatsuta, Mayuko Niikawa, and Hiromasa Imaishi

Detoxification of Aflatoxin B1 contaminated maize using human CYP3A4 (2020,10)

Jounal of Microbiology and Biotechnology, 30(8), 1207-1213

Maehama T, Nishio M, Otani J, Mak TW, Suzuki A.

The Role of Hippo - YAP Signaling in Squamous Cell Carcinomas

2021 年 1 月 cancer science 1 • 1 51-

Ooshio T, Yamamoto M, Fujii K, Xin B, Watanabe K, Goto M, Okada Y, Suzuki A, Penninger JM, Nishina H, Nishikawa Y.

Hepatocyte MKK7 Contributes to Restoration of the Liver Parenchyma Following Injury

2020 年 10 月 Hepatology 10 • 10

Nishio M, To Y, Machama T, Aono Y, Otani J, Hikasa H, Kitagawa A, Mimori K, Sasaki T, Nishina H, Toyokuni S, Lydon J, Nakao K, Mak TW, Kiyono T, Katabuchi H, Tashiro H, Suzuki A.

Endogenous YAP1 activation Drives Immediate Onset of Cervical Carcinoma in Situ in Mice.

2020年10月 cancer science 10・10 3576-3587

前濱 朝彦、西尾 美希、鈴木 聰 哺乳類 Hippo 経路による細胞接着の制御と細胞競合

2020年8月 医学のあゆみ 5・5 457-462

Franke K, Pillai SY, Hoogenboezem M, Gijbels MJJ, Matlung HL, Geissler J, Olsman H, Pottgens C, van Gorp PJ, Ozsvar-Kozma M, Saito Y, Matozaki T, Kuijpers TW, Hendriks RW, Kraal G, Binder CJ, de Winther MPJ, van den Berg TK.

SIRP α on Mouse B1 Cells Restricts Lymphoid Tissue Migration and Natural Antibody Production

2020年10月 Front Immunol 570963-

Nishimura T, Saito Y, Washio K, Komori S, Respatika D, Kotani T, Murata Y, Ohnishi H, Mizobuchi S, Matozaki T.

SIRP α on CD11c + cells induces Th17 cell differentiation and subsequent inflammation in the CNS in experimental autoimmune encephalomyelitis

2020年10月 Eur J Immunol 10・10 1560-1570

Hazama D, Yin Y, Murata Y, Matsuda M, Okamoto T, Tanaka D, Terasaka N, Zhao J, Sakamoto M, Kakuchi Y, Saito Y, Kotani T, Nishimura Y, Nakagawa A, Suga H, Matozaki T.

Macrocyclic Peptide-Mediated Blockade of the CD47-SIRP α Interaction as a Potential Cancer Immunotherapy

2020年9月 Cell Chem Biol 9・9 1181-1191

Wang B, Hara K, Kawabata A, Nishimura M, Wakata A, Tjan LH, Poertranto AL, Yamamoto C, Haseda Y, Aoshi T, Munakata L, Suzuki R, Komatsu M, Tsukamoto R, Itoh T, Nishigori C, Saito Y, Matozaki T, Mori Y.

Tetrameric glycoprotein complex gH_gL_gQ1_gQ2 is a promising vaccine candidate for human herpesvirus 6B 2020年7月 PLoS Pathog 7・7 e1008609-

Kotani T, Setiawan J, Konno T, Ihara N, Okamoto S, Saito Y, Murata Y, Noda T, Matozaki T.

Regulation of colonic epithelial cell homeostasis by mTORC1 2020年8月 Sci Rep 1・1 13810-

Ayumu Sugiura, Tatsuhiro Shimizu, Takeshi Kameyama, Tomohiko Maruo, Shin Kedashiro, Muneaki Miyata, Kiyo hito Mizutani, and Yoshimi Takai

Identification of Sox2 and NeuN double-positive cells in the mouse hypothalamic arcuate nucleus and their reduction in number with aging 2021年3月 Frontiers in Aging Neuroscience 609911

Suzuki T, Ishii S, Shinohara M, Kawano Y, Wakahashi K, Kawano H, Sada A, Minagawa K, Hamada M, Takahashi S, Furuyashiki T, Tan NS, Matsui T, Katayama Y.

Mobilization efficiency is critically regulated by fat via marrow PPAR δ .

2021年2月 Haematologica

Ano Y, Kitaoka S, Ohya R, Kondo K, Furuyashiki T.

Hop Bitter Acids Increase Hippocampal Dopaminergic Activity in a Mouse Model of Social Defeat Stress.

2020年12月 Int J Mol Sci 24・24 9612

Nagai M, Nagai H, Numa C, Furuyashiki T.

Stress-induced sleep-like inactivity modulates stress susceptibility in mice.

2020年11月 Sci Rep 1・1 19800

Ishikawa Y, Kitaoka S, Kawano Y, Ishii S, Suzuki T, Wakahashi K, Kato T, Katayama Y, Furuyashiki T.

Repeated social defeat stress induces neutrophil mobilization in mice: maintenance after cessation of stress and strain-dependent difference in response.

2021年2月 Br J Pharmacol 4・4 827-844

Yoshida N, Yamashita T, Kishino S, Watanabe H, Sasaki K, Sasaki D, Tabata T, Sugiyama Y, Kitamura N, Saito Y, Emoto T, Hayashi T, Takahashi T, Shinohara M, Osawa R, Kondo A, Yamada T, Ogawa J, Hirata K.

A possible beneficial effect of *Bacteroides* on faecal lipopolysaccharide activity and cardiovascular diseases. 2020年8月 Sci Rep 1・1 13009-

Yamashita T, Yoshida N, Emoto T, Saito Y, Hirata K.

Two Gut Microbiota-Derived Toxins Are Closely Associated with Cardiovascular Diseases: A Review.

2021年4月 Toxins. 5・5 297-

Yuzuru Yamamoto, Takaichi Okano, Hirotaka Yamada, Kengo Akashi, Sho Sendo, Yo Ueda, Akio Morinobu & Jun Saegusa

Soluble guanylate cyclase stimulator reduced the gastrointestinal fibrosis in bleomycin-induced mouse model of systemic sclerosis 2021年3月 Arthritis Research & Therapy 1・1 133-143

LINGLING KONG, NAMIKO HOSHI, DAISUKE WATANABE, YASUTAKA YAMADA, EIICHIRO YASUTOMI, SOICHIRO ADACHI, MAKOTO OOI, YUNLONG SUI, RYUTARO YOSHIDA, RYOHEI SEKIMOTO, ERI TOKUNAGA, HARUKA MIYAZAKI, YUNA KU, HARUKA TAKENAKA, TADAO KUNIHIRO, JUN INOUE, ZIBIN TIAN and YUZO KODAMA

Effect of Daikenchuto On Spontaneous Intestinal Tumors in ApcMin/+ Mice

2020年 Kobe journal of Medical sciences 4・4 139-148

Yasunori Fujita 1, Hironori Bando 1, Genzo Iguchi 1 2 3, Keiji Iida 4, Hitoshi Nishizawa 1, Keitaro Kanie 1, Kenichi Yoshida 1, Ryusaku Matsumoto 1, Kentaro Suda 1, Hidenori Fukuoka 1, Wataru Ogawa 1, Yutaka Takahashi 1 5

Clinical Heterogeneity of Acquired Idiopathic Isolated Adrenocorticotrophic Hormone Deficiency

2021年2.19月 Front Endocrinol (Lausanne). 578802

Watanabe S, Fujii H, Kono K, Watanabe K, Goto S, Nishi S.

Influence of oxidative stress on vascular calcification in the setting of coexisting chronic kidney disease and diabetes mellitus. 2020年Nov月 Sci Rep. 1・1 20708-

Suzuki T, Ishii S, Shinohara M, Kawano Y, Wakahashi K, Kawano H, Sada A, Minagawa K, Hamada M, Takahashi S, Furuyashiki T, Tan NS, Matsui T, Katayama Y.

Mobilization efficiency is critically regulated by fat via marrow PPAR δ .

2021年 Haematologica

Ishii S, Suzuki T, Wakahashi K, Asada N, Kawano Y, Kawano H, Sada A, Minagawa K, Nakamura Y, Mizuno S, Takahashi S, Matsui T, Katayama Y.

FGF23 from erythroblasts promote hematopoietic progenitor mobilization.

2021年3月 Blood 11・11 1457-1467

Mennaallah Hassan, Masao Nakayama, Mohammed Salah, Hiroaki Akasaka, Hikaru Kubota, Makiko Nakahana, Tatsuichiro Tagawa, Kenta Morita, Ai Nakaoka, Takeaki Ishihara, Daisuke Miyawaki, Kenji Yoshida, Yuya Nishimura, Chiaki Ogino, and Ryohei Sasaki

A Comparative Assessment of Mechanisms and Effectiveness of Radiosensitization by Titanium Peroxide and Gold Nanoparticles 2020 年 6 月 *Nanomaterials (Basel)* 6 • 6 1125

Mohammed Salah, Saki Osuga, Makiko Nakahana, Yasuhiro Irino, Masakazu Shinohara, Yasuyuki Shimizu, Naritoshi Mukumoto, Hiroaki Akasaka, Ai Nakaoka, Daisuke Miyawaki, Takeaki Ishihara, Kenji Yoshida, Yoshiaki Okamoto, Ryohei Sasaki

Elucidation of gastrointestinal dysfunction in response to irradiation using metabolomics

2020 年 9 月 *Biochemistry and Biophysics Reports* •

Fukumoto T, Lin J, Fatkhutdinov N, Liu P, Somasundaram R, Herlyn M, Zhang R, Nishigori C

RID2 deficiency correlates with the response to immune checkpoint blockade in melanoma.

In press *J Invest Dermatol*

Yamano N, Kunisada M, Nishiaki-Sawada A, Ohashi H, Igarashi T, Nishigori C

Evaluation of acute reactions on mouse skin irradiated with 222 and 235 nm UV-C

2021 年 *Photochem Photobiol* Online ahead of print • Online ahead of print

Yamano N, Kunisada M, Kaidzu S, Sugihara K, Nishiaki-Sawada A, Ohashi H, Yoshioka A, Igarashi T, Ohira A, Tanito M, Nishigori C

Long-term effects of 222 nm ultraviolet radiation C sterilizing lamps on mice susceptible to ultraviolet radiation 2020 年 8 月 *Photochem Photobiol* 4 • 4 853-862

Koichi Watanabe , Manabu Nagao, Ryuji Toh, Yasuhiro Irino, Masakazu Shinohara, Takuya Iino, Sachiko Yoshikawa, Hidekazu Tanaka, Seimi Satomi-Kobayashi, Tatsuro Ishida, Ken-Ichi Hirata.

Critical role of glutamine metabolism in cardiomyocytes under oxidative stress

2021 年 1 月 *Biochemical and Biophysical Research Communications* 534 687-693

Okamura Y, Hinata N, Hoshiba T, Nakatsuji T, Ikeo N, Furukawa J, Harada K, Nakano Y, Fukumoto T, Mukai T, Fujisawa M.

Development of bioabsorbable zinc-magnesium alloy wire and validation of its application to urinary tract surgeries. 2021 年 1 月 *World J Urol.* 1 • 1 201-208

Yutaro Kanda, Kenichiro Kakutani, Takashi Yurube, Zhongying Zhang, Shingo Miyazaki, Yuji Kakiuchi, Yoshiki Takeoka , Ryu Tsujimoto, Kunihiko Miyazaki, Teruya Kawamoto, Toru Takada, Yuichi Hoshino, Yasuhiko Tabata, Ryosuke Kuroda

A novel topical treatment for bone metastases using a gelatin hydrogel incorporating cisplatin as a sustained release system 2021 年 3 月 *Journal of Orthopaedic Research* 3 • 3 525-535

Tomoyuki Kamenaga, Yuichi Kuroda, Kanto Nagai, Masanori Tsubosaka, Yoshinori Takashima, Kenichi Kikuchi, Masahiro Fujita, Kemmei Ikuta, Kensuke Anjiki, Toshihisa Maeda, Naoki Nakano, Koji Takayama, Shingo Hashimoto, Shinya Hayashi, Takehiko Matsushita, Takahiro Niikura, Ryosuke Kuroda, Tomoyuki Matsumoto

Cryopreserved human adipose-derived stromal vascular fraction maintains fracture healing potential via angiogenesis and

osteogenesis in an immunodeficient rat model

2021 年 2 月 Stem Cell Research & Therapy 1 · 1 110-

Masanori Tsubosaka, Shinsuke Kihara, Shinya Hayashi, Junpei Nagata, Toshie Kuwahara, Masahiro Fujita, Kenichi Kikuchi, Yoshinori Takashima, Tomoyuki Kamenaga, Yuichi Kuroda, Kazuhiro Takeuchi, Koji Fukuda, Koji Takayama, Shingo Hashimoto, Tomoyuki Matsumoto, Takahiro Niikura, Yasuhiko Tabata, Ryosuke Kuroda

Gelatin hydrogels with eicosapentaenoic acid can prevent osteoarthritis progression in vivo in a mouse model

2020

年 10 月 Journal of Orthopaedic Research 10 · 10 2157-2169

Fujiwara S, Kawamoto T, Kawakami Y, Koteraizawa Y, Hara H, Takemori T, Kitayama K, Yahiro S, Kakutani K, Matsumoto T, Matsushita T, Niikura T, Koyanagi-Aoi M, Aoi T, Kuroda R, Akisue T

Acquisition of cancer stem cell properties in osteosarcoma cells by defined factors

2020 年 10 月 Stem Cell Research & Therapy 1 · 1 429-

Oda T, Niikura T, Fukui T, Oe K, Kuroiwa Y, Kumabe Y, Sawauchi K, Yoshikawa R, Mifune Y, Hayashi S, Matsumoto T, Matsushita T, Kawamoto T, Sakai Y, Akisue T, Kuroda R.

2020

年 12 月 BMJ Open Diabetes Res Care. 2 · 2 e001129-

Kumabe Y, Fukui T, Takahara S, Kuroiwa Y, Arakura M, Oe K, Oda T, Sawauchi K, Matsushita T, Matsumoto T, Hayashi S, Kuroda R, Niikura T.

Percutaneous CO₂ Treatment Accelerates Bone Generation During Distraction Osteogenesis in Rabbits.

2020 年 8 月

Clin Orthop Relat Res. 8 · 8 1922-1935

Oda T, Iwakura T, Fukui T, Oe K, Mifune Y, Hayashi S, Matsumoto T, Matsushita T, Kawamoto T, Sakai Y, Akisue T, Kuroda R, Niikura T.

Effects of the duration of transcutaneous CO₂ application on the facilitatory effect in rat fracture repair.

2020 年 9 月

J Orthop Sci. 5 · 5 886-891

Mori S, Kurimoto T, Maeda H, Nakamura M

Dimethyl fumarate promotes the survival of retinal ganglion cells after optic nerve injury, possibly through the Nrf-2/HO-1 pathway

2021 年 1 月 Int J Mol Sci 1 · 1 297-

Mori S, Kurimoto T, Miki A, Maeda H, Kusuhara S, Nakamura M

Aqp9 gene deletion enhances retinal ganglion cell (RGC) death and dysfunction induced by optic nerve crush: Evidence that aquaporin 9 acts as an astrocyte-to-neuron lactate shuttle in concert with monocarboxylate transporters to support RGC function and survival

2020 年 11 月 Mol Neurobiol 11 · 11 4530-4548

Kyung Woo Kim, Sentaro Kusuhara, Atsuko Katsuyama-Yoshikawa, Sho Nobuyoshi, Megumi Kitamura, Sotaro Mori, Noriyuki Sotani, Kaori Ueda, Wataru Matsumiya, Akiko Miki, Takuji Kurimoto, Hisanori Imai, and Makoto Nakamura

Changes in Gene Expression Profiling and Phenotype in Aged Multidrug Resistance Protein 4-Deficient Mouse Retinas

2021 年 3 月 Antioxidants (Basel) 3 · 3 455-

Okamura Y, Hinata N, Hoshiba T, Nakatsuji T, Ikeo N, Furukawa J, Harada K, Nakano Y, Fukumoto T, Mukai T, Fujisawa M.

Development of bioabsorbable zinc-magnesium alloy wire and validation of its application to urinary tract surgeries
2021 年 1 月 World J Urol. 1 • 1 201-208

Daichi Fujimoto, Yuki Nomura, Moritoki Egi, Norihiko Obata, Satoshi Mizobuchi
Long-term preoperative glycemic control restored the perioperative neutrophilic phagocytosis activity in diabetic mice
2020 年 9 月 BMC endocrine disorders 1 • 1 146-

Okada T, Kato D, Nomura Y, Obata N, Quan X, Morinaga A, Yano H, Guo Z, Aoyama Y, Tachibana Y, Moorhouse AJ, Matoba O, Takiguchi T, Mizobuchi S and Wake H
Pain induces stable, active microcircuits in the somatosensory cortex that provide a therapeutic target 2021 年 3 月
Science advances 12 • 12 eabd8261-

Saito M, Inoue S, Yamashita K, Kakeji Y, Fukumoto T, Kotani J.
IL-15 Improves Aging-Induced Persistent T Cell Exhaustion in Mouse Models of Repeated Sepsis.
2020 年 2 月 Shock 2 • 2 228-235

Nakatani T, Iwasaki M, Yamamichi A, Yoshioka Y, Uesaka T, Bitoh Y, Maeda K, Fukumoto T, Takemoto T, Enomoto H.
Point mutagenesis in mouse reveals contrasting pathogenetic effects between MEN2B- and Hirschsprung disease-associated missense mutations of the RET gene.
2020 年 5 月 Dev Growth Differ 4 • 4 214-222

Kotaki T, Yamanaka A, Konishi E, Kameoka M
A potent neutralizing mouse monoclonal antibody specific to dengue virus type 1 Mochizuki strain recognized a novel epitope around the N-67 glycan on the envelope protein : a possible explanation of dengue virus evolution regarding the acquisition of N-67 glycan.
2021 年 3 月 Virus Res. 294:198278, 2021

Inoue S, Moriyama H, Wakimoto Y, Li C, Hatakeyama J, Wakigawa T, Sakai Y, Akisue T
Transcutaneous application of carbon dioxide improves contractures after immobilization of rat knee joint
2020 年 12 月 Phys Ther Res., Volume 23, Issue 2, pp 113-122.

Takumi Hirabayashi , Ryosuke Nakanishi , Minoru Tanaka, Badur Un Nisa , Noriaki Maeshige , Hiroyo Kondo , Hidemi Fujino
Reduced metabolic capacity in fast and slow skeletal muscle via oxidative stress and the energy-sensing of AMPK/SIRT1 in malnutrition 2021 年 3 月 Physiol Rep. 9(5):e14763

Furube, E., Ishii, H., Nambu, Y., Kurganova, E., Nagaoka, S., Morita, M., and Miyata, S. (2020) Neural stem cell phenotype of tanycyte-like ependymal cells in the circumventricular organs and central canal of adult mouse brain. *Sci. Rep.* 10, 2826

Nambu, Y., Ohira, K., Morita, M., Yasumoto, H., Kurganova, E., and Miyata, S. (2021) Effects of leptin on proliferation of astrocyte- and tanycyte-like neural stem cells in the adult mouse medulla oblongata. *Neurosci. Res.* 173 p44-53.

Kumar, M., Matoba, O., Quan, X., Rajput, S. K., Morita, M., and Awatsuji, Y. (2022) Quantitative dynamic evolution of physiological parameters of RBC by highly stable digital holographic microscopy. *Opt. Lasers Eng.* 151, 106887

Takashi Hashimoto, Maki Kiyota, Kazuki Kanazawa

Protective effect of boysenberry juice on ferric nitrilotriacetate-induced renal injury in mice

Published: 1 July 2021 European Journal of Medicinal Plants, 32(4), 76-81, 2021

Atsushi WADA and Hiroshi HARAYAMA

Calmodulin is involved in the occurrence of extracellular Ca^{2+} -dependent full-type hyperactivation in boar ejaculated spermatozoa incubated with cyclic AMP analogs

2021 年 6 月 Anim Sci J. 2021, 92(1): e13552. doi: 10.1111/asj.13552.

Kitakaze T, Yuan S, Inoue M, Yoshioka Y, Yamashita Y, Ashida H. 6-(Methylsulfinyl)hexyl isothiocyanate protects acetaldehyde-caused cytotoxicity through the induction of aldehyde dehydrogenase in hepatocytes. Arch Biochem Biophys. 2020 Jun, 15;686:108329.

Ashida H, Tian X, Kitakaze T, Yamashita Y. Bisacurone suppresses hepatic lipid accumulation through inhibiting lipogenesis and promoting lipolysis., J Clin Biochem Nutr. 2020 Jul;67(1):43-52.

Yoshioka Y, Kitakaze T, Mitani T, Furuyashiki T, Ashida H. Enzymatically synthesized glycogen prevents ultraviolet B-induced cell damage in normal human epidermal keratinocytes. J Clin Biochem Nutr. 2020 Jul;67(1):36-42.

Hironao KY, Mitsuhashi Y, Huang S, Oike H, Ashida H, Yamashita Y. Cacao polyphenols regulate the circadian clock gene expression and through glucagon-like peptide-1 secretion. J Clin Biochem Nutr. 2020 Jul;67(1):53-60.

Hironao KY, Ashida H, Yamashita Y. The cacao procyanidin extract-caused anti-hyperglycemic effect was changed by the administration timings. J Clin Biochem Nutr. 2020 Jul;67(1):61-66.

Jiang H, Horiuchi Y, Hironao KY, Kitakaze T, Yamashita Y, Ashida H. Prevention effect of quercetin and its glycosides on obesity and hyperglycemia through activating AMPK α in high-fat diet-fed ICR mice. J Clin Biochem Nutr. 2020 Jul;67(1):74-83.

Yoshioka Y, Samukawa Y, Yamashita Y, Ashida H. 4-Hydroxyderricin and xanthoangelol isolated from Angelica keiskei prevent dexamethasone-induced muscle loss. Food Funct. 2020 Jun 24;11(6):5498-5512.

Yamashita Y, Sakakibara H, Toda T, Ashida H. Insights into the potential benefits of black soybean (Glycine max L.) polyphenols in lifestyle diseases. Food Funct. 2020 Sep 23;11(9):7321-7339.

Kitakaze T, Jiang H, Nomura T, Hironao KY, Yamashita Y, Ashida H. Kaempferol Promotes Glucose Uptake in Myotubes through a JAK2-Dependent Pathway. J Agric Food Chem. 2020 Nov 25;68(47):13720-13729.

Han, L., Sakane, I. and Mizuno, M.

Synergistic anti-allergy activity using combination of *Enterococcus faecalis* IC-1 and luteolin
2021 年 6 月 Food Bioscience, 41, 100924, 2021.

Alagbaoso, C.A. and Mizuno, M.

Polysaccharides from Shiitake culinary-medicinal mushroom *Lentinus eodes* (Agaricomycetes) suppress pMLKL-mediated necroptotic cell death and colitis in mice

2021 年 7 月 International Journal of Medicinal Mushrooms, 23(7), 13-26, 2021.

Lamubol, J., Ohto, N., Kuwahara, H. and Mizuno, M.. *Food Funct.*, 12, 8044-8055, 2021.
Lactiplantibacillus plantarum 22A-3-induced TGF- β 1 secretion from intestinal epithelial cells stimulated CD103 $^{+}$ DC and Foxp3 $^{+}$ Treg differentiation and amelioration of colitis in mice
2021 年 7 月 Food and Function, 12, 8044-8055, 2021.

Mizuno, M., Ohto, N. and Kuwahara, H.
Lactiplantibacillus plantarum 22A-3 isolated from pickle suppresses ovalbumin-induced food allergy in BALB/c mice and 2,4-dinitrochlorobenzene-induced atopic dermatitis in NC/Nga mice
2021 年 9 月 Journal of Bioscience and Bioengineering, 132(3), 271-278, 2021.

Shimizu, H., Kuse, M., Minato, K. and Mizuno, M.
Anti-allergic property of 4,8-sphingadienine stereoisomers *in vivo* and *in vitro* model.
2021 年 11 月 *Biochemical and Biophysical Research Communications*, 577, 32-37, 2021

Shinji Sugiura Beetle bombing always deters praying mantises.
2021 年 9 月 PeerJ, 9:e11657 <https://doi.org/10.7717/peerj.11657>

Hoshi N. (2021): Adverse effects of pesticides on regional biodiversity and their mechanisms. pp. 235–247 (Total pages: 312). In. Risks and Regulation of New Technologies. (Matsuda T, Wolff J and Yanagawa T, eds), Springer, Singapore.

Sakata N, Mantani Y, Nakanishi S, Morishita R, Yokoyama T, Hoshi N. (2022): Histological study of diurnal changes in bacterial settlement in the rat alimentary tract. *Cell Tissue Res.* 2022 Apr 11. doi: 10.1007/s00441-022-03626-9.

Nishi M, Sugio S, Hirano T, Kato D, Wake H, Shoda A, Murata M, Ikenaka Y, Tabuchi Y, Mantani Y, Yokoyama T, Hoshi N. (2022): Elucidation of the neurological effects of clothianidin exposure at the no-observed-adverse-effect level (NOAEL) using two-photon microscopy *in vivo* imaging. *J Vet Med Sci*, 84:585–592.

Hirai A, Sugio S, Nimako C, Nakayama SMM, Kato K, Takahashi K, Arizono K, Hirano T, Hoshi N, Fujioka K, Taira K, Ishizuka M, Wake H, Ikenaka Y. (2022): Ca $^{2+}$ imaging with two-photon microscopy to detect the disruption of brain function in mice administered neonicotinoid insecticides. *Sci Rep.* 2022 Mar 24;12(1):5114. doi: 10.1038/s41598-022-09038-7.

Hirano T, Suzuki N, Ikenaka Y, Hoshi N, Tabuchi Y. (2021): Neurotoxicity of a pyrethroid pesticide deltamethrin is associated with the imbalance in proteolytic systems caused by mitophagy activation and proteasome inhibition. *Toxicol Appl Pharmacol.* 2021 Nov 1;430:115723. doi: 10.1016/j.taap.2021.115723. Epub 2021 Sep 11.

Mantani, Y., Haruta, T., Nakanishi, S., Yokoyama, T., Hoshi, N. (2021): Ultrastructural and phenotypical diversity of macrophages in the rat ileal mucosa. *Cell Tissue Res.* 385:697–711.

Suzuki T, Hirai A, Khidkhan K, Nimako C, Ichise T, Takeda K, Mizukawa H, Nakayama SMM, Hoshi N, Maeda M, Hirano T, Sasaoka K, Sasaki N, Takiguchi M, Ishizuka M, Ikenaka Y (2021): The effects of fipronil on emotional and cognitive behaviors in mammals. *Pestic Biochem Physiol*, 175: 104847.

Hirano T, Miyata U, Kubo S, Ohno S, Onaru K, Maeda M, Kitauchi S, Nishi M, Tabuchi Y, Ikenaka Y, Ichise T, Nakayama SMM, Arizono K, Takahashi K, Kato K, Mantani Y, Yokoyama T, Hoshi N (2021): Aging-related changes in the sensitivity of behavioral effects of the neonicotinoid pesticide clothianidin in male mice. *Toxicol Lett*, 342: 95–103.

Kitauchi S, Maeda M, Hirano T, Ikenaka Y, Nishi M, Shoda A, Murata M, Mantani Y, Yokoyama T, Tabuchi Y, Hoshi N (2021): Effects of in utero and lactational exposure to the no-observed-adverse-effect level (NOAEL) dose of the neonicotinoid clothianidin on the reproductive organs of female mice. *J Vet Med Sci*, 83: 746–753.

Maeda M, Kitauchi S, Hirano T, Ikenaka Y, Nishi M, Shoda A, Murata M, Mantani Y, Tabuchi Y, Yokoyama T, Hoshi N (2021): Fetal and lactational exposure of the no-observed-adverse-effect level (NOAEL) dose of the neonicotinoid pesticide clothianidin inhibits neurogenesis and induces different behavioral abnormalities at the developmental stages in male mice. *J Vet Med Sci*, 83: 542–548.

Nimako C, Ikenaka Y, Okamatsu-Ogura Y, Bariuan JV, Kobayashi A, Yamazaki R, Taira K, Hoshi N, Hirano T, Nakayama SMM, Ishizuka M (2021): Chronic low-dose exposure to imidacloprid potentiates high fat diet-mediated liver steatosis in C57BL/6J male mice. *J Vet Med Sci*, 83: 487–500.

Maeda M, Yokoyama T, Kitauchi S, Hirano T, Mantani Y, Tabuchi Y, Hoshi N (2021): Influence of acute exposure to a low dose of systemic insecticide fipronil on locomotor activity and emotional behavior in adult male mice. *J Vet Med Sci*, 83: 344–348.

Tabuchi Y, Hasegawa H, Suzuki N, Furusawa Y, Hirano T, Nagaoka R, Hirayama J, Hoshi N, Mochizuki T. (2021): Genetic response to low-intensity ultrasound on mouse ST2 bone marrow stromal cells. *Mol Med Rep*. 2021 Mar;23(3):1. doi: 10.3892/mmr.2020.11812. Epub 2021 Jan 5.

Nimako C, Ikenaka Y, Okamatsu-Ogura Y, Bariuan JV, Kobayashi A, Yamazaki R, Taira K, Hoshi N, Hirano T, Nakayama SMM, Ishizuka M. (2021): Chronic low-dose exposure to imidacloprid potentiates high fat diet-mediated liver steatosis in C57BL/6J male mice. *J Vet Med Sci*, 83: 487–500.

遠山 千春, 木村一黒田純子, 星 信彦. 農薬の安全性とリスク評価 - “見過ごさず, 見落とさず, 見誤らない”ために. 科学. 92: 256–273, 2022.

星 信彦. 環境化学物質と子供の発達 - 最新研究が示した農薬の影響. En-ichi Forum 2021 年 12 月号, 4-9, 2021.

Shuji Ueda Mana Hosoda, Kumi Kasamatsu, Masahiro Horiuchi, Rio Nakabayashi, Bubwoong Kang, Masakazu Shinohara, Hiroki Nakanishi, Takayo Ohto-Nakanishi, Minoru Yamanoue and Yasuhito Shirai. (2022) Production of Hydroxy Fatty Acids, Precursors of γ -Hexalactone, Contributes to the Characteristic Sweet Aroma of Beef. Metabolites. In press

Boonyaporn Chinthammit, Seika Okamoto, Yasuhito Shirai (2022) Almond Skin Polyphenol Extracts Stimulate the Activation of Diacylglycerol Kinase alpha via a 67 kDa Laminin Receptor. *Functional Food in Health and Disease*. 12. DOI: 10.31989/ffhd.v12i4.894

Naoki Okada, Ko Sugiyama, Shunsuke Shichi, Yasuhito Shirai, Kaoru Goto, · Fumio Sakane, · Hidemitsu

Kitamura, Akinobu Taketomi (2022) Combination therapy for hepatocellular carcinoma with diacylglycerol kinase alpha inhibition and anti-programmed cell death-1 ligand blockade. *Cancer Immunology, Immunotherapy* 71:889–903.

Takuya Kano, Ryosuke Tsumagari, Akio Nakashima, Ushio Kikkawa, Shuji Ueda, Minoru Yamanoue, Nobuyuki Takei and Yasuhito Shirai (2021) RalA, PLD and mTORC1 Are Required for Kinase-Independent Pathways in DGK β -Induced Neurite Outgrowth. *Biomolecules* 11, 1814-. doi: 10.3390/biom11121814

Saki Matui, Hazuki Akazawa, Yuji Tsujikawa, Itsuko Fukuda, Yoshihiro Suzuki, Yuji Yamamoto, Takao Mukai, Yasuhito Shirai and Ro Osawa (2021) Milk oligosaccharide-mediated cross-feeding between Enterococcus gallinarum and lactobacilli in the gut microbiota of infant rats. *Bioscience of Microbiota, Food and Health*, 40, 204–211

Kewan A, Shimatani T, Saneyasu T, Kamisoyama H, Honda K. Comparison of the effects of intracerebroventricular administration of glucagon-like peptides 1 and 2 on hypothalamic appetite regulating factors and sleep-like behavior in chicks. *Neuroscience Letters*, 768, 136362, 2022. (2021年11月発行)

Honda K, Yasuhara A, Saneyasu T, Kamisoyama H. Enzymatically-synthesized glycogen induces cecal glucagon-like peptide-1 production and suppresses food intake in mice. *Journal of Nutritional Science and Vitaminology*, 67, 217-224, 2021. (2021年8月発行)

Honda K. Peripheral regulation of food intake in chickens -adiposity signals, satiety signals, and others. *World's Poultry Science Journal*, 77, 2, 301-312, 2021. (2021年3月発行)

Honda K, Kurachi K, Takagi S, Saneyasu T, Kamisoyama H. Role of Corticosterone in Lipid Metabolism in Broiler Chick White Adipose Tissue. *The Journal of Poultry Science*, in press

Honda K, Yasuhara A, Saneyasu T, Kamisoyama H. Enzymatically-synthesized glycogen induces cecal glucagon-like peptide-1 production and suppresses food intake in mice. *Journal of Nutritional Science and Vitaminology*, 67(4), 217-224, 2021. 2021年8月

Saneyasu T, Ueno M, Nagata K, Kewan A, Honda K, Kamisoyama H. Central administration of insulin and refeeding lead to Akt and ERK phosphorylation in the chicken medulla. *Neuroscience Letters*, 758, 136008, 2021. 2021年6月

Kitagawa K, Tatsumi M, Kato M, Komai S, Doi H, Hashii Y, Katayama T, Fujisawa M, Shirakawa T. An oral cancer vaccine using a Bifidobacterium vector suppresses tumor growth in a syngeneic mouse bladder cancer model. 2021 Aug 25 *Mol Ther Oncolytics*. 25;22:592-603.

Mohri H, Ninoyu Y, Sakaguchi H, Hirano S, Saito N, Ueyama T*: Nox3-derived superoxide in cochleae induces sensorineural hearing loss. *J. Neurosci.* 41, 4716-4731, 2021. *corresponding author

Yoshioka Y, Tachibana Y, Uesaka T, Hioki H, Sato Y, Fukumoto T, Enomoto H. Uts2b is a microbiota-regulated gene expressed in vagal afferent neurons connected to enteroendocrine cells producing cholecystokinin.

2022年3月 *Biochem Biophys Res Commun.* 31 • 608 66-72

Uesaka T, Okamoto M, Nagashimada M, Tsuda Y, Kihara M, Kiyonari H, Enomoto H.

Enhanced enteric neurogenesis by Schwann cell precursors in mouse models of Hirschsprung disease.

2021 年 11 月 Glia. 69 • 11 2575-2590

Sunardi M, Ito K, Enomoto H.

Live visualization of a functional RET-EGFP chimeric receptor in homozygous knock-in mice.

2021 年 8 月 Dev Growth Differ. 63 • 6 285-294

Okamoto M, Uesaka T, Ito K, Enomoto H.

Increased RET activity coupled with a reduction in the RET gene dosage causes intestinal aganglionosis in mice. 2021 年 6 月 eNeuro. 8 • 3

Tokuoka H, Imae R, Nakashima H, Manya H, Masuda C, Hoshino S, Kobayashi K, Lefeber DJ, Matsumoto R, Okada T, Endo T, Kanagawa M, Toda T.

CDP-ribitol prodrug treatment ameliorates ISPD-deficient muscular dystrophy mouse model

2022 年 4 月 Nature Communications 13 • 1847-

Nakatani K, Maehama T, Nishio N, Otani J, Yamaguchi K, Fukumoto M, Hikasa H, Hagiwara S, Nishina H, Mak TW, Honma T, Kondoh Y, Osada H, Yoshida M, Suzuki A

Alantolactone is a natural product that potently inhibits YAP1/TAZ via promotion of ROS accumulation 2021 年 10 月 Cancer Science 10 • 112 4303-4316

Miyachi Y, Nishio M, Otani J, Matsumoto S, Kikuchi A, Mak TW, Maehama T, Suzuki A

TAZ inhibits acinar cell differentiation but promotes immature ductal cell proliferation in adult mouse salivary glands 2021 年 9 月 Genes to Cells 9 • 26 714-726

Risa Sakate, Masahiro Nishiyama, Yu Fukuda, Shiho Kitaoka, Tomoyuki Furuyashiki

The transcription factor Hhex regulates inflammation-related genes in microglia.

2022 年 Journal of Pharmacological Sciences In press •

Takuo Emoto, Hiroyuki Yamamoto, Tomoya Yamashita, Tomofumi Takaya, Takahiro Sawada, Shintaro Takeda, Masayuki Taniguchi, Naoto Sasaki, Naofumi Yoshida, Yoshihiro Saito, Tharini Sivasubramaniyam, Hiromasa Otake, Tomoyuki Furuyashiki, Clinton S Robbins, Hiroya Kawai, Ken-ichi Hirata.

Single cell RNA seq reveals a distinct immune landscape of myeloid cells in coronary culprit plaques causing acute coronary syndrome. 2022 年 Circulation In press •

Mai Sakai, Zhiqian Yu, Ryo Hirayama, Masa Nakasato, Yoshie Kikuchi, Chiaki Ono, Hiroshi Komatsu, Miharu Nakanishi, Hatsumi Yoshii, David Stellwagen, Tomoyuki Furuyashiki, Masaaki Komatsu, Hiroaki Tomita

Deficient Autophagy in Microglia Aggravates Repeated Social Defeat Stress-Induced Social Avoidance. 2022 年 Neural Plasticity Epub ahead of print •

Yoshida N, Yamashita T, Osone T, Hosooka T, Shinohara M, Kitahama S, Sasaki K, Sasaki D, Yoneshiro T, Suzuki T, Emoto T, Saito Y, Ozawa G, Hirota Y, Kitaura Y, Shimomura Y, Okamatsu-Ogura Y, Saito M, Kondo A, Kajimura S, Inagaki T, Ogawa W, Yamada T, Hirata K.

Bacteroides spp. promotes branched-chain amino acid catabolism in brown fat and inhibits obesity.

2021 年 10 月 iScience 24 • 11 103342-

Hirotaka Yamada, Jun Saegusa, Sho Sendo, Yo Ueda, Takaichi Okano, Masakazu Shinohara, Akio Morinobu

Effect of resolvin D5 on T cell differentiation and osteoclastogenesis analyzed by lipid mediator profiling in the experimental arthritis

2021 年 8 月 Sci Rep 27 • 11 17312-

Ryutaro Yoshida , Yoshihiko Yano, Namiko Hoshi , Norihiro Okamoto , Yunlong Sui , Atsushi Yamamoto , Naoki Asaji , Yuuki Shiomi , Eiichiro Yasutomi , Yuri Hatazawa , Hiroki Hayashi , Yoshihide Ueda , Yuzo Kodama

Acid-treated high-amylase corn starch suppresses high-fat diet-induced steatosis

2022 年 5 月 Journal of food science 87 • 5 2173-2185

"Lingling Kong , Namiko Hoshi , Yunlong Sui , Yasutaka Yamada , Ryutaro Yoshida , Makoto Ooi , Zibin Tian , Ikuo Kimura , Yuzo Kodama "

GPR43 Suppresses Intestinal Tumor Growth by Modification of the Mammalian Target of Rapamycin Complex 1 Activity in ApcMin/+ Mice

2022 年 Medical principles and practice : international journal of the Kuwait University, Health Science Centre 31 • 1 39-46

Nakasone R, Ashina M, Kido T, Miyauchi H, Saito M, Inoue S, Shinohara M, Nozu K, Fujioka K.

"Protective Role of an Initial Low-Dose Septic Challenge against Lethal Sepsis in Neonatal Mice: A Pilot Study." 2021 年 12 月 J Clin Med. 10 • 24 5823-

Sachiko Yoshikawa, Manabu Nagao, Ryuji Toh, Masakazu Shinohara, Takuya Iino, Yasuhiro Irino, Makoto Nishimori, Hidekazu Tanaka, Seimi Satomi-Kobayashi, Tatsuro Ishida, Ken-Ichi Hirata.

Inhibition of glutaminase 1-mediated glutaminolysis improves pathological cardiac remodeling

2022 年 4 月 Am J Physiol Heart Circ Physiol. 322 • 5 749-761

Watanabe A, Yamashita K, Fujita M, Arimoto A, Nishi M, Takamura S, Saito M, Yamada K, Agawa K, Mukoyama T, Ando M, Kanaji S, Matsuda T, Oshikiri T, Kakeji Y.

"Vaccine Based on Dendritic Cells Electroporated with an Exogenous Ovalbumin Protein and Pulsed with Invariant Natural Killer T Cell Ligands Effectively Induces Antigen-Specific Antitumor Immunity" 2021 年 12 月 Cancers 14 • 1 171-

Wang Y, Okada M, Xie SC, Jiao YY, Hara ES, Yanagimoto H, Fukumoto T, Matsumoto T.

Immediate soft-tissue adhesion and the mechanical properties of the Ti-6Al-4V alloy after long-term acid treatment 2021 年 10 月 J Mater Chem B 9 • 39 8348-8354

Yoshioka Y, Tachibana Y, Uesaka T, Hioki H, Sato Y, Fukumoto T, Enomoto H.

Uts2b is a microbiota-regulated gene expressed in vagal afferent neurons connected to enteroendocrine cells producing cholecystokinin

2022 年 6 月 Biochem Biophys Res Commun. 608 • 66-72

Nakai H, Fujita Y, Masuda S, Komatsu M, Tani A, Okita Y, Okada K, Kawamoto A

Intravenous injection of adult human bone marrow mesenchymal stromal cells attenuates spinal cord ischemia/reperfusion injury in a murine aortic arch crossclamping model

2021 年 September 月 JTCVS Open 7 • C 23-40

Yamamoto T, Miyaji N, Kataoka K, Nishida K, Nagai K, Kanzaki N, Hoshino Y, Kuroda R, Matsushita T

Knee Osteoarthritis Progression Is Delayed in Silent Information Regulator 2 Ortholog 1 Knock-in Mice 2021 年 10 月

Kamada K, Matsushita T, Yamashita T, Matsumoto T, Iwaguro H, Sobajima S, Kuroda R.

Attenuation of Knee Osteoarthritis Progression in Mice through Polarization of M2 Macrophages by Intra-Articular Transplantation of Non-Cultured Human Adipose-Derived Regenerative Cells

2021 年 10 月 J Clin Med. 10 • 19

Gullbrand SE, Ashinsky BG, Lai A, Gansau J, Crowley J, Cunha C, Engiles JB, Fusellier M, Muehleman C, Pelletier M, Presciutti S, Schol J, Takeoka T, Yurube T, Zhang Y, Masuda K, Iatridis JC

Development of a standardized histopathology scoring system for intervertebral disc degeneration in rat models: An initiative of the ORS spine section. 2021 年 6 月 JOR Spine 4 • 2 e1147-

Lai A, Gansau J, Gullbrand SE, Crowley J, Cunha C, Dudli S, Engiles JB, Fusellier M, Goncalves RM, Nakashima D, Okewunmi J, Pelletier M, Presciutti SM, Schol J, Takeoka Y, Yang S, Yurube T, Zhang Y, Iatridis JC

Development of a standardized histopathology scoring system for intervertebral disc degeneration in rat models: An initiative of the ORS spine section.

2021 年 6 月 JOR Spine 4 • 2 e1150-

武岡由樹, 由留部崇, 辻本龍, 神田裕太郎, 黒田良祐, 角谷賢一朗

ラット椎間板恒常性維持に対する Atg5 依存性オートファジーの関与 : ラット細胞・動物実験の検討

2021 年 9 月 中部日本整形外科災害外科学会雑誌 64 • 5 615-616

R Tsujimoto, T Yurube, Y Takeoka, Y Kanda, K Miyazaki, H Ohnishi, Y Kakiuchi, S Miyazaki, Z Zhang, T Takada, R Kuroda, K Kakutani

Involvement of autophagy in the maintenance of rat intervertebral disc homeostasis: an in-vitro and in-vivo RNA interference study of Atg5

2022 年 3 月 Osteoarthritis Cartilage 30 • 3 481-493

Kunihiro Miyazaki, Shingo Miyazaki, Takashi Yurube, Yoshiki Takeoka, Yutaro Kanda, Zhongying Zhang, Yuji Kakiuchi, Ryu Tsujimoto, Hiroki Ohnishi, Tomoya Matsuo, Masao Ryu, Ryosuke Kuroda, Kenichiro Kakutani

Protective Effects of Growth Differentiation Factor-6 on the Intervertebral Disc: An In Vitro and In Vivo Study 2022 年 3 月 Cells 11 • 7 1174-

Takashima Y, Hayashi S, Fukuda K, Maeda T, Tsubosaka M, Kamenaga T, Kikuchi K, Fujita M, Kuroda Y, Hashimoto S, Nakano N, Matsumoto T, Kuroda R.

Susceptibility of cyclin-dependent kinase inhibitor 1-deficient mice to rheumatoid arthritis arising from interleukin-1 β -induced inflammation. 2021 年 Sci Rep 11 • 1 1256-

Kitayama K, Kawamoto T, Kawakami Y, Hara H, Takemori T, Fujiwara S, Yahiro S, Miyamoto T, Mifune Y, Hoshino Y, Kakutani K, Matsumoto T, Matsushita T, Niikura T, Kuroda R, Akisue T.

Regulatory roles of miRNAs 16, 133a, and 223 on osteoclastic bone destruction caused by breast cancer metastasis.

2021 年 11 月 International Journal of Oncology 59 • 5 97-

"Shintaro Mukohara, Yutaka Mifune, Atsuyuki Inui, Hanako Nishimoto, Takashi Kurosawa, Kohei Yamaura, Tomoya Yoshikawa, Ryosuke Kuroda"

In vitro and in vivo tenocyte-protective effectiveness of dehydroepiandrosterone against high glucose-induced oxidative stress 2021 年 6 月 BMC Musculoskelet Disord 22 • 1 519

Takeshi Kataoka, Yutaka Mifune, Atsuyuki Inui, Hanako Nishimoto, Takashi Kurosawa, Kohei Yamaura, Shintaro Mukohara, Takehiko Matsushita, Takahiro Niikura, Yasuhiko Tabata, Ryosuke Kuroda

Combined therapy of platelet-rich plasma and basic fibroblast growth factor using gelatin-hydrogel sheet for rotator cuff healing in rat models

2021年10月 J Orthop Surg Res 16・1 605

Issei Shinohara, Takeshi Kataoka, Yutaka Mifune, Atsuyuki Inui, Ryosuke Sakata, Hanako Nishimoto, Kohei Yamaura, Shintaro Mukohara, Tomoya Yoshikawa, Tatsuo Kato, Takahiro Furukawa, Takehiko Matsushita, Ryosuke Kuroda

Influence of adiponectin and inflammatory cytokines in fatty degenerative atrophic muscle

2022年1月 Sci Rep 12・1 1557

Kohei Yamaura, Yutaka Mifune, Atsuyuki Inui, Hanako Nishimoto, Takashi Kurosawa, Shintaro Mukohara, Yuichi Hoshino, Takahiro Niikura, Ryosuke Kuroda

Antioxidant effect of nicotinamide mononucleotide in tendinopathy

2022年3月 BMC Musculoskelet Disord 23・1 249

Kumabe Y, Oe K, Morimoto M, Yagi N, Fukui T, Kuroda R, Hata Y, Niikura T.

Ultrasound frequency-based monitoring for bone healing.

2021年6月 Tissue Engineering Part C: Methods 27・6 349-356

Sawauchi K, Fukui T, Oe K, Kumabe Y, Oda T, Yoshikawa R, Takase K, Matsushita T, Matsumoto T, Hayashi S, Kuroda R, Niikura T.

Low-Intensity Pulsed Ultrasound Promotes Osteogenic Differentiation of Reamer-Irrigator-Aspirator Graft-Derived Cells in Vitro. 2022年2月 Ultrasound in Medicine and Biology 48・2 313-322

Arakura M, Lee SY, Fukui T, Oe K, Takahara S, Matsumoto T, Hayashi S, Matsushita T, Kuroda R, Niikura T.

Endochondral Bone Tissue Engineering Using Human Induced Pluripotent Stem Cells.

2022年2月 Tissue Engineering Part A 28・3-4 184-195

Fukui T, Niikura T, Oda T, Kumabe Y, Nishiaki A, Kaigome R, Ohashi H, Sasaki M, Igarashi T, Oe K, Hamblin MR, Kuroda R.

Safety of 222 nm UVC irradiation to the surgical site in a rabbit model.

2022年3月 Photochemistry and Photobiology

盛 崇太朗, 栗本 拓治, 前田 秀高, 中村 誠

フマル酸モノメチルによる視神経挫滅後の網膜神経節細胞に対する視神経保護効果

2021年7月 眼科臨床紀要 14・7 437-441

Hidekazu Sotoyama, Hisaaki Namba, Yutaro Kobayashi, Taku Hasegawa, Dai Watanabe, Ena Nakatsukasa, Kenji Sakimura, Tomoyuki Furuyashiki, Hiroyuki Nawa

Resting-state dopaminergic cell firing in the ventral tegmental area negatively regulates affiliative social interactions in a developmental animal model of schizophrenia.

2021年4月 Translational Psychiatry 11・1 236-

Sugita Y, Yamashita K, Fujita M, Saito M, Yamada K, Agawa K, Watanabe S, Fukuoka E, Hasegawa H, Kanaji S, Oshikiri T, Matsuda T, Nakamura T, Suzuki S, Kakeji Y

CD244+ polymorphonuclear myeloid-derived suppressor cells reflect the status of peritoneal dissemination in a colon cancer mouse model 2021年5月 ONCOLOGY REPORT 45・6 106-

Takashi Yurube , Hiroaki Hirata , Masaaki Ito , Yoshiki Terashima , Yuji Kakiuchi , Ryosuke Kuroda , Kenichiro Kakutani

Involvement of Autophagy in Rat Tail Static Compression-Induced Intervertebral Disc Degeneration and Notochordal Cell Disappearance. 2021年5月 International Journal of Molecular Sciences 22・11 5648-

Kaneshige A, Kaji T, Zhang L, Saito H, Nakamura A, Kurosawa T, Ikemoto-Uezumi M, Tsujikawa K, Seno S, Hori M, Saito Y, Matozaki T, Maehara K, Ohkawa Y, Potente M, Watanabe S, Braun T, Uezumi A, Fukada SI.

Relayed signaling between mesenchymal progenitors and muscle stem cells ensures adaptive stem cell response to increased mechanical load 2022年2月 Cell Stem Cell 22・11 265-280

Sakamoto M, Murata Y, Tanaka D, Kakuchi Y, Okamoto T, Hazama D, Saito Y, Kotani T, Ohnishi H, Miyasaka M, Fujisawa M, Matozaki T.

Anticancer efficacy of monotherapy with antibodies to SIRP α /SIRP β 1 mediated by induction of antitumorigenic macrophages 2022年1月 Proc Natl Acad Sci U S A 22・11 e2109923118-

Kotani T, Ihara N, Okamoto S, Setiawan J, Konno T, Saito Y, Murata Y, Matozaki T.

Role of Ras in regulation of intestinal epithelial cell homeostasis and crosstalk with Wnt signaling
2021年8月 PLoS One 22・11 e0256774-

Jingu D, Iino M, Kawasaki J, Urano E, Kusakari S, Hayashi Y, Matozaki T, Ohnishi H.

Protein tyrosine phosphatase Shp2 positively regulates cold stress-induced tyrosine phosphorylation of SIRP α in neurons
2021年9月 Biochem Biophys Res Commun 22・11 72-78

Tomohiro Kotaki, Takeshi Kurosu, Ariadna Grinyo-Escuer, Edgar Davidson, Siti Churrotin, Tamaki Okabayashi, Orapim Puiprom, Kris Cahyo Mulyatno, Teguh Hari Sucipto, Benjamin J Doranz, Ken-Ichiro Ono, Soegeng Soejajanto, Masanori Kameoka

An affinity-matured human monoclonal antibody targeting fusion loop epitope of dengue virus with in vivo therapeutic potency. 2021年6月 Scientific Reports, 11(1), 12987

Inoue S, Hatakeyama J, Aoki H, Kuroki H, Niikura T, Oe K, Fukui T, Kuroda R, Akisue T, Moriyama H. Effects of ultrasound, radial extracorporeal shock wave, and electrical stimulation on rat bone defect healing 2021年8月 Annals of the New York Academy of Sciences, Volume 1497, issue 1, pp 3-14.

Inoue S, Hatakeyama J, Aoki H, Kuroki H, Niikura T, Oe K, Fukui T, Kuroda R, Akisue T, Moriyama H.
Utilization of mechanical stress to treat osteoporosis: the effects of electrical stimulation, radial extracorporeal shock wave, and ultrasound on experimental osteoporosis in ovariectomized rats
2021年8月 Calcified Tissue International, Volume 109, issue 2, pp 215-229.

Hatakeyama J, Nomura M, Wakimoto Y, Inoue S, Li C, Takamura D, Akisue T, Moriyama H
Effects of cyclic tensile strain and microgravity on the distribution of actin fiber and Fat1 cadherin in murine articular chondrocytes 2021年12月 Journal of Biomechanics, Volume 129, Article 110774.

Jihao Xing, Han Pan, Hao Lin, Ryosuke Nakanishi, Takumi Hirabayashi, Emi Nakayama, Xiaoqi Ma, Noriaki Maeshige, Hiroyo Kondo, and Hidemi Fujino,

“Protective effects of chlorogenic acid on capillary regression caused by disuse muscle atrophy” , Biomedical research (Tokyo, Japan). 2021 Nov; 42(6): 257-264.

Nakanishi R, Tanaka M, Maeshige N, Kondo H, Roy RR, Fujino H.

Nucleoprotein-enriched diet enhances protein synthesis pathway and satellite cell activation via ERK1/2 phosphorylation in unloaded rat muscles. Exp Physiol. 2021 Jul;106(7):1587-1596.

MASATO KAWASHIMA, SHOHEI IGUCHI, NAOTO FUJITA, AKINORI MIKI, TAKAMITSU ARAKAWA

Structural Changes in Skeletal Muscle Fibers after Icing or Heating on Downhill Running in Mice 2021年9月30日
Kobe Journal of Medical Sciences (67, 2, 48-54)

Nakayama F, Miyoshi M, Kimoto A, Kawano A, Miyashita K, Kamoshida S, Shimizu K, Hori Y.

Pancreatic cancer cell-derived exosomes induce epithelial mesenchymal transition in human pancreatic cancer cells themselves partially via transforming growth factor β 1.

Med Mol Morphol (2022). DOI: 10.1007/s00795-022-00321-0

Miyoshi M, Kadoguchi H, Usami M, Hori Y.

Synbiotics improved stool form via changes in microbiota and short-chain fatty acids in dialysis patients.

Kobe J Med Sci. 67: E112-E118 (2021)

Kumar, M., Matoba, O., Quan, X., Rajput, S. K., Morita, M., and Awatsuji, Y. (2022) Quantitative dynamic evolution of physiological parameters of RBC by highly stable digital holographic microscopy. Opt. Lasers Eng. 151, 106887-106887, 10.1016/j.optlaseng.2021.106887

Kato, D., Quan, X., Tanisumi1, Y., Guo, Z., Morita, M., Takiguchi, T., Matoba, O., Wake, H. (2022), Evaluation and Manipulation of Neural Activity using Two-Photon Holographic Microscopy. Jove, 16 (187) DOI: 10.3791/64205

Morita, M., Modern Microscopic Approaches to Astrocytes. Int. J. Mol. Sci. 24(6), 5883 (2023)

的場修, 全香玉, 米田成, 森田光洋, 2光子励起ホログラフィック顕微鏡による高度光遺伝学応用, レーザー研究, vol50(11), p633-638 (2022)

Saneyasu T, Ueda M, Nagata K, Chai J, Honda K, Kamisoyama H. Role of hypothalamic transforming growth factor- β (TGF- β)/Smad signaling in feeding regulation in chickens. The Journal of Poultry Science, 59(4), 357-363, 2022.

Saneyasu T, Ogasawara K, Fujiwara Y, Honda K, Kamisoyama H. Atrogin-1 knockdown inhibits the autophagy-lysosome system in mammalian and avian myotubes. Comparative Biochemistry and Physiology, Part A. 271, 111262, 2022.

Saneyasu T, Nakamura T, Honda K, Kamisoyama H. IGF-1 knockdown inhibits phosphorylation of Akt and ERK in chicken embryonic myotubes. Growth Hormone & IGF Research, 65, 101478, 2022.

Daiki Hayashi & Yasuhito Shirai (2022) The Role of Diacylglycerol Kinase in the Amelioration of Diabetic Nephropathy. Molecules 27, 6784-6799..

Shuji Ueda, Moeka Nishihara, Yuuki Hioka, Ken-ichi Yoshino, Soichiro Yamada, Minoru Yamanoue and Yasuhito Shirai (2022) Polo-Like Kinase 2 Plays an Essential Role in Cytoprotection against MG132-Induced Proteasome Inhibition via Phosphorylation of Serine 19 in HSPB5. Int. J. Mol. Sci. 23, 11257-11275.

Ueda, S.; Takashima, Y.; Gotou, Y.; Sasaki, R.; Nakabayashi, R.; Suzuki, T.; Sasazaki, S.; Fukuda, I.; Kebede, B.; Kadokawa, Y.; et al. Application of Mass Spectrometry for Determining the Geographic Production Area of Wagyu Beef. Metabolites 2022, 12, 777. <https://doi.org/10.3390/metabo1209077>

Daiki Hayashi, Varnavas D. Mouchlis, Seika Okamoto, Tomoka Namba, Liuqing Wang, Sheng Li, Shuji Ueda, Minoru

Yamanoue , Hirofumi Tachibana , Hiroyuki Arai, Hitoshi Ashida, Edward A. Dennis, Yasuhito Shirai (2022) Vitamin E functions by association with a novel binding site on the 67 kDa laminin receptor activating diacylglycerol kinase,. Journal of Nutritional Biochemistry 110, 109129-109131.

Shuji Ueda, Mana Hosoda, Kumi Kasamatsu, Masahiro Horiuchi, Rio Nakabayashi, Bubwoong Kang, Masakazu Shinohara, Hiroki Nakanishi, Takayo Ohto-Nakanishi, Minoru Yamanoue and Yasuhito Shirai. (2022) Production of Hydroxy Fatty Acids, Precursors of γ -Hexalactone, Contributes to the Characteristic Sweet Aroma of Beef. Metabolites. In press

Boonyaporn Chinthammit, Seika Okamoto, Yasuhito Shirai (2022) Almond Skin Polyphenol Extracts Stimulate the Activation of Diacylglycerol Kinase alpha via a 67 kDa Laminin Receptor. Functional Food in Health and Disease. 12. 151-160. DOI: 10.31989/ffhd.v12i4.894

Naoki Okada, Ko Sugiyama, Shunsuke Shichi, Yasuhito Shirai, Kaoru Goto, · Fumio Sakane, Hidemitsu Kitamura, Akinobu Taketomi (2022) Combination therapy for hepatocellular carcinoma with diacylglycerol kinase alpha inhibition and anti-programmed cell death-1 ligand blockade. Cancer Immunology, Immunotherapy 71:889–903.

Shinji Sugiura、 Tomoki Date
Bombardier beetles repel invasive bullfrogs.
2022年9月15日 PeerJ, 10:e13805.

Shinji Sugiura、 Misaki Tsujii
Male wasp genitalia as an anti-predator defense.
2022年12月19日 Current Biology 32(24): R1336-R1337.

Takashi Hashimoto, Jiansheng Long, Kazuki Kanazawa
Dietary isosaponarin is intestinally metabolized to isovitexin, most of which are excreted in feces without being absorbed
2023年3月 Asian Journal of Food Research and Nutrition, 2(3), 12-24

SAI Seiken & HARAYAMA Hiroshi.
Polyvinyl alcohol, but not bovine serum albumin, promotes the induction of full-type hyperactivation in boar cyclic AMP analog-treated spermatozoa.
2022年11月 Animal Science Journal 93 (e13777) 2022

遠山 千春, 木村一黒田純子, 星 信彦 (2022) : 農薬製剤に含まれる補助剤の毒性 —「農薬の安全性とリスク評価」補遺. 科学 92: 689-691

Shoda A, Murata M, Kimura M, Hara Y, Yonoichi S, Ishida Y, Mantani Y, Yokoyama T, Hirano T, Ikenaka Y, Tabuchi Y, Hoshi N. Developmental stage-specific exposure and neurotoxicity evaluation of low-dose clothianidin during neuronal circuit formation. J Vet Med Sci. 2023 Mar 1. doi: 10.1292/jvms.22-0570. Epub ahead of print. PMID: 36858607.

Narita H, Yokoyama T, Okunishi N, Kato S, Fujikawa T, Kirizuki Y, Mantani Y, Miki T, Hoshi N. Substrain differences in Sry expression at the stage of sex determination in C57BL/6 mouse strains. J Vet Med Sci. 2023 Feb 28. doi: 10.1292/jvms.23-0039. Epub ahead of print. PMID: 36858585.

Kimura M, Shoda A, Murata M, Hara Y, Yonoichi S, Ishida Y, Mantani Y, Yokoyama T, Hirano T, Ikenaka Y, Hoshi N. Neurotoxicity and behavioral disorders induced in mice by acute exposure to the diamide insecticide chlorantraniliprole. J Vet Med Sci. 2023 Feb 28. doi: 10.1292/jvms.23-0041. Epub ahead of print. PMID: 36858584.

Murata M, Shoda A, Kimura M, Hara Y, Yonoichi S, Ishida Y, Mantani Y, Yokoyama T, Matsuo E, Hirano T, Hoshi N. Next-generation effects of fetal and lactational exposure to the neonicotinoid pesticide clothianidin on the immune system and gut microbiota. J Vet Med Sci. 2023 Mar 30;85(4):434-442.

Nakanishi S, Mantani Y, Ohno N, Morishita R, Yokoyama T, Hoshi N. Histological study on regional specificity of the mucosal nerve network in the rat large intestine. J Vet Med Sci. 2023 Feb 1;85(2):123-134.

Shoda A, Nishi M, Murata M, Mantani Y, Yokoyama T, Hirano T, Ikenaka Y, Hoshi N. Quantitative elucidation of the transfer of the neonicotinoid pesticide clothianidin to the breast milk in mice. Toxicol Lett. 2023 Jan 15;373:33-40.

Kubo S, Hirano T, Miyata Y, Ohno S, Onaru K, Ikenaka Y, Nakayama SMM, Ishizuka M, Mantani Y, Yokoyama T, Hoshi

N. Sex-specific behavioral effects of acute exposure to the neonicotinoid clothianidin in mice. *Toxicol Appl Pharmacol.* 2022 Dec 1;456:116283.

Tamura S, Mantani Y, Nakanishi S, Ohno N, Yokoyama T, Hoshi N. Region specificity of fibroblast-like cells in the mucosa of the rat large intestine. *Cell Tissue Res.* 2022 Sep;389(3):427-441.

Sakata N, Mantani Y, Nakanishi S, Morishita R, Yokoyama T, Hoshi N. Histological study of diurnal changes in bacterial settlement in the rat alimentary tract. *Cell Tissue Res.* 2022 Jul;389(1):71-83.

Honda K, Kurachi K, Takagi S, Saneyasu T, Kamisoyama H. Role of corticosterone in lipid metabolism in broiler chick white adipose tissue. *The Journal of Poultry Science*, 59, 137-142, 2022. (2022年4月25日発行)

本田和久, 米作を基盤とした持続可能なわが国独自の鶏肉生産への挑戦, 畜産の情報, 4, 58-66, 2023. (2023年3月24日発行)

Enokida, M., Minato, K., Yoshino, S., Ohto, N., Kuwahara, H. and Mizuno, M.,
Oral administration of Lactiplantibacillus plantarum 22A-3 exerts anti-allergic activity against intestinal food allergy mouse models sensitized and challenged with ovalbumin.
2022年6月 Food Bioscience、47巻、101785.

Taniuchi Y, Hiraide K, Su R, Ijuin K, Wei XQ, Horii T, Hatada I, Lee J
Analysis of absolute amount of two meiotic cohesin subunits, RAD21L and REC8, in mouse spermatocytes. 2023年4月 J Reprod Dev 69:78-86.

Mio Yamamoto, Yasukiyo Yoshioka, Tomoya Kitakaze, Yoko Yamashita, Hitoshi Ashida.
Preventive effects of black soybean polyphenols on non-alcoholic fatty liver disease in three different mouse models.
2022. Food & Function, 13, 1000-1014, (IF: 6.317)

Mariko Shiraiwa, Tomoya Kitakaze, Yoko Yamashita, Yuichi Ukawa, Katsuyuki Mukai, Hitoshi Ashida. A
Pectolinarigenin Induces Antioxidant Enzymes through Nrf2/ARE Pathway in HepG2 Cells.
2022. Antioxidants, 11, 675, IF:7.675

Yasukiyo Yoshioka, Ryunoshin Kono, Masaki Kuse, Yoko Yamashita, Hitoshi Ashida.
Phenylpropanoids and neolignans isolated from Myristica fragrans enhance glucose uptake in myotubes. 2022.
Food & Function, 13, 3879-3893,

Ken-yu Hironao, Hitoshi Ashida, Yoko Yamashita.
Black soybean seed coat polyphenol ameliorates the abnormal feeding pattern induced by high-fat diet consumption.
Frontiers in Nutrition, 9, 1006132, 2022. (IF: 6.590)

A R, Kunimura N, Tominaga S, Hirata E, Nishioka S, Uesugi M, Yamazaki R, Ueki H, Kitagawa K, Fujisawa M, Shirakawa T
A recombinant adenovirus vector containing the synNotch receptor gene for the treatment of triple-negative breast cancer.
2023 Mar 29 Front Oncol. 13:1147668.

Shinohara R, Nakashima H, Emoto T, Yamashita T, Saito Y, Yoshida N, Inoue T, Yamanaka K, Okada K, Hirata K. Gut Microbiota Influence the Development of Abdominal Aortic Aneurysm by Suppressing Macrophage Accumulation in Mice. Hypertension. 2022; 79: 2821-2829.

Saito Y, Yamashita T, Yoshida N, Emoto T, Takeda S, Tabata T, Shinohara M, Kishino S, Sugiyama Y, Kitamura N, Yamamoto H, Takaya T, Ogawa J, Hirata K. Structural differences in bacterial lipopolysaccharides determine atherosclerotic plaque progression by regulating the accumulation of neutrophils. Atherosclerosis. 2022; 358: 1-11.

Niki Y, Adachi N, Fukata M, Fukata Y, Oku S, Makino-Okamura C, Takeuchi T, Wakamatsu K, Ito S, Declercq L, Yarosh DB, Mammone T, Nishigori C, Saito N, Ueyama T
S-palmitoylation of tyrosinase at cysteine500 regulates melanogenesis.
2023年1月 J. Invest. Dermatol. 143, 317-327, 2023.

Hiroki Kuwada, Kohei Ihara, Hiromasa Imaishi (2022.12)
Development of a new assay system for bladder cancer using interactions between cytochromes P450 and serum Drug

Yasuhiro Yonezuka, Hiroki Kuwada, Hiromasa Imaishi (2022.9)

Diagnosis of drug-induced liver injury in model mice by studying the inhibitory effect of serum components on P450 inhibition assay Chemico-Biological Interactions, 365(25), 110075

Kohei Ihara, Ami Oguro, Hiromasa Imaishi(2022.4)

Diagnosis of Parkinson's disease by investigating the inhibitory effect of serum components on P450 inhibition assay Scientific Reports, 12, 6622

Okazaki S, Boku S, Otsuka I, Horai T, Kimura A, Shimmyo N, Yamaki N, Hishimoto A.

Clozapine increases macrophage migration inhibitory factor (MIF) expression via increasing histone acetylation of MIF promoter in astrocytes.

2021年3月 Journal of Psychiatric Research 2021 237-242

Horai T, Boku S, Okazaki S, Otsuka I, Ratta-Apha W, Moura K, Yamaki N, Hirata T, Hishimoto A.

miR-19b is elevated in peripheral blood of schizophrenic patients and attenuates proliferation of hippocampal neural progenitor cells.

2020年12月 Journal of Psychiatric Research 2020 102-107

Okazaki S, Boku S, Watanabe Y, Otsuka I, Horai T, Morikawa R, Kimura A, Shimmyo N, Tanifuji T, Someya T, Hishimoto A.

Polymorphisms in the hypoxia inducible factor binding site of the macrophage migration inhibitory factor gene promoter in schizophrenia 2022年3月 PLoS One 3 · 2022

Yasuhiro Kaku, Koji Chiba, Katsuya Sato, Atsushi Onishi, Takaki Ishida, Keisuke Okada, Masato Fujisawa

Protective effects of tadalafil against cisplatin induced spermatogenic dysfunction

2022年5月 Biochem Biophys Res Commun 603 · 2022 123-129

Yuki Tanaka, Yasuhiro Minami, Mitsuharu Endo

Ror1 promotes PPAR α -mediated fatty acid metabolism in astrocytes

2023年4月 Genes to Cells 4 · 2023 307-318

Yoshioka Y, Tachibana Y, Uesaka T, Hioki H, Fukumoto T, and Enomoto H.

"Uts2b is a microbiota-regulated gene expressed in vagal afferent neurons connected to enteroendocrine cells producing cholecystokinin."

2022年6月 Biochem Biophys Res Commun 2022 66-72

Tsutsumi Y, Sato F, Furuta T, Uchino K, Moritani M, Bae YC, Kato T, Tachibana Y, and Yoshida A.

"The cerebellar cortex receives orofacial proprioceptive signals from the supratrigeminal nucleus via the mossy fiber pathway in rats." 2022年7月 Cerebellum 2022

Shiraishi Y, Maehama T, Nishio M, Otani J, Hikasa H, Mak TW, Sasaki T, Honma T, Kondoh Y, Osada H, Yoshida M, Fujisawa M, Suzuki A

N-(3,4-dimethoxyphenethyl)-6-methyl-2,3,4,9-tetrahydro-1H-carbazol-1-amine inhibits bladder cancer progression by suppressing YAP1/TAZ. 2022年 Genes Cells 10 · 2022 602-612

Dai Y, Kaeaguchi T, Nishio M, Otani J, Tashiro H, Terai Y, Sasaki R, Tomohiko M, Suzuki A

The TIGD5 gene located in 8q24 and frequently amplified in ovarian cancers is a tumor suppressor.

2022年 Genes Cells 11 · 2022 633-642

Soyama H, Nishio M, Otani J, Sakuma T, Takao S, Hara S, Masuda T, Mimori K, Toyokuni S, Lydon JP, Nakao K, Nishina H, Fukumoto T, Maehama T, Suzuki A

Hippo-TAZ signaling is the master regulator of the onset of triple negative basal-like breast cancers.

2022年 Proc Natl Acad Sci U S A 2022

Uemura S, Yamashita M, Aoyama K, Yokomizo-Nakano T, Oshima M, Nishio M, Masuko M, Takizawa J, Sone H, Yamada Y, Suzuki A, Iwama A:

YAP1/TAZ activity maintains vascular integrity and organismal survival.

2022 年 Biochem Biophys Res Commun 2022 117-123

Okamoto T, Murata Y, Hasegawa D, Yoshida M, Tanaka D, Ueda T, Hazama D, Oduori OS, Komori S, Takai T, Saito Y, Kotani T, Kosaka Y, Maniwa Y, Matozaki T

Targeting of SIRP α as a potential therapy for Langerhans cell histiocytosis

2023 年 Cancer Science 2023

Sui Y, Hoshi N, Ohgaki R, Kong L, Yoshida R, Okamoto N, Kinoshita M, Miyazaki H, Ku Y, Tokunaga E, Ito Y, Watanabe D, Ooi M, Shinohara M, Sasaki K, Zen Y, Kotani T, Matozaki T, Tian Z, Kanai Y, Kodama Y.

LAT1 expression influences Paneth cell number and tumor development in ApcMin/+ mice

2023 年 J Gastroenterol 2023

Nozawa O, Miyata M, Shiotani H, Kameyama T, Komaki R, Shimizu T, Kuriu T, Kashiwagi Y, Sato Y, Koebisu M, Aiba A, Okabe S, Mizutani K, Takai Y.

Necl2/3-mediated mechanism for tripartite synapse formation

2023 年 2 月 Development 4 • 2023 dev200931-

Maruo T, Mizutani K, Miyata M, Kuriu T, Sakakibara S, Takahashi H, Kida D, Maesaka K, Sugaya T, Sakane A, Sasaki T, Takai Y, Mandai K.

s-Afadin binds to MAGUIN/Cnksr2 and regulates the localization of the AMPA receptor and glutamatergic synaptic response in hippocampal neurons

Journal of Biological Chemistry in press

Satoshi Akiyama, Hirotaka Nagai, Shota Oike, Io Horikawa, Masakazu Shinohara, Yabin Lu, Takashi Futamura, Ryota Shinohara, Shiho Kitaoka, Tomoyuki Furuyashiki.

Chronic social defeat stress increases the amounts of 12-lipoxygenase lipid metabolites in the nucleus accumbens of stress-resilient mice. 2022 年 7 月 Scientific Reports 1 • 2022 11385

Namiko Kawamura, Goro Katsuura, Nobuko Yamada-Goto, Riho Nakama, Yuki Kambe, Atsuro Miyata, Tomoyuki Furuyashiki, Shuh Narumiya, Yoshihiro Ogawa, Akio Inui.

Brain fractalkine-CX3CR1 signalling is anti-obesity system as anorexigenic and anti-inflammatory actions in diet-induced obese mice. 2022 年 7 月 Scientific Reports 1 • 2022 12604

Zhiqian Yu, Mai Sakai, Hotaka Fukushima, Chiaki Ono, Yoshie Kikuchi, Ryuta Koyama, Ko Matsui, Tomoyuki Furuyashiki, Satoshi Kida, Hiroaki Tomita.

Contextual fear conditioning regulates synapse-related gene transcription in mouse microglia.

2022 年 8 月 Brain Research Bulletin 2022 57-68

Yoshiko Kato, Kazumi Nagano, Chenghong Hu, Tomoyuki Furuyashiki.

Relationship between dairy product intake and sense of coherence among middle and high school students in Japan.

2022 年 12 月 PLOS One 12 • 2022 e0279232

Rei Mishima, Masayuki Taniguchi, Kazutoshi Matsushita, Bowen Tian, Tomoyuki Furuyashiki.

Microglial subpopulations with distinct transcriptome signatures vary across brain regions in the resting mouse brain.

2023 年 3 月 Journal of Pharmacological Sciences 3 • 2023 142-147

Mai Sakai, Zhiqian Yu, Masayuki Taniguchi, Nanami Oyama, David Stellwagen, Chiaki Ono, Yoshie Kikuchi, Ko Matsui, Rosanne Picotin, Miharu Nakanishi, Hatsumi Yoshii, Tomoyuki Furuyashiki, Takaaki Abe, Hiroaki Tomita.

N-acetylcysteine suppresses microglial inflammation and induces mortality dose-dependently via tumor necrosis factor- α signaling.

2023 年 2 月 International Journal of Molecular Sciences 4 • 2023 3798

Ryota Shinohara, Tomoyuki Furuyashiki.

Prefrontal contributions to mental resilience: Lessons from rodent studies of stress and antidepressant actions. 2022 年 12 月 Neuroscience Research 2022 S0168-0102(22)00305-4

Sui Y, Hoshi N, Ohgaki R, Kong L, Yoshida R, Okamoto N, Kinoshita M, Miyazaki H, Ku Y, Tokunaga E, Ito Y, Watanabe D, Ooi M, Shinohara M, Sasaki K, Zen Y, Kotani T, Matozaki T, Tian Z, Kanai Y, Kodama Y.

LAT1 expression influences Paneth cell number and tumor development in ApcMin/+ mice.

2023 年 Journal of Gastroenterology 2023

Kaori Hozumi, Kenji Sugawara, Takaya Ishihara, Naotada Ishihara & Wataru Ogawa
Effects of imeglimin on mitochondrial function, AMPK activity, and gene expression in hepatocytes
2023年1月 scientific reports 1 • 2023 746-

Soyama H, Nishino M, Otani J, Sakuma T, Takao S, Hara S, Masuda T, Mimori K, Toyokuni S, Lydon J, Nakao K, Nishina H, Fukumoto T, Maehama T, Suzuki A
Hippo-TAZ signaling is the master regulator of the onset of triple-negative basal-like breast cancers
2022年7月 Proc Natl Acad Sci U S A 29 • 2022 e2123134119-

Nukuto K, Matsushita T, Kamada K, Nishida K, Nagai K, Kanzaki N, Hoshino Y, Matsumoto T, Niikura T, Kuroda R
Development and Analysis of Mouse Medial Meniscus Posterior Root Tear Model
2023年1月 Calcified Tissue International 1 • 2023 55-65

Fukui T, Niikura T, Oda T, Kumabe Y, Nishiaki A, Kaigome R, Ohashi H, Sasaki M, Igarashi T, Oe K, Hamblin MR, Kuroda R
Safety of 222 nm UVC Irradiation to the Surgical Site in a Rabbit Model
2022年11月 Photochemistry and Photobiology 6 • 2022 1365-1371

Kikuchi K, Haneda M, Hayashi S, Maeda T, Nakano N, Kuroda Y, Tsubosaka M, Kamenaga T, Fujita M, Ikuta K, Anjiki K, Tachibana S, Onoi Y, Matsumoto T, Kuroda R.
P21 deficiency exhibits delayed endochondral ossification during fracture healing
2022年12月 Bone 2022 116572-

Takashima Y, Matsumoto T, Nakano N, Kamenaga T, Kuroda Y, Hayashi S, Matsushita T, Niikura T, Kuroda R
The influence of ruptured scar pattern of human anterior cruciate ligament remnant tissue on tendon-bone healing in vivo
2023年3月 Journal of Orthopaedic Research 3 • 2023 500-510

Sano Takanori, Nobuyuki Hinata, Ryoya Kobayashi, Tatsuya Nakatsuji, Yasuyoshi Okamura, Junya Furukawa, Yuzo Nakano, Toshiji Mukai, Masato Fujisawa
Bioabsorbable zinc alloys for use in urological surgery. 2023年3月 World J Urol 2023

Nakanishi N, Ono Y, Miyazaki Y, Moriyama N, Fujioka K, Yamashita K, Inoue S, Kotani J.
Sepsis causes neutrophil infiltration in muscle leading to muscle atrophy and weakness in mice
2022年10月 Front Immunol 2022 950646-

Ono Y, Saito M, Sakamoto K, Maejima Y, Misaka S, Shimomura K, Nakanishi N, Inoue S, Kotani J
C188-9, a specific inhibitor of STAT3 signaling, prevents thermal burn-induced skeletal muscle wasting in mice 2022年12月 Front Pharmacol 2022 1031906-

Anna Miyazaki, Masato Kawashima, Itsuki Nagata, Makoto Miyoshi, Motoi Miyakawa, Megumi Sugiyama, Tohma Sakuraya, Takahiro Sonomura, Takamitsu Arakawa
Icing after skeletal muscle injury decreases M1 macrophage accumulation and TNF- α expression during the early phase of muscle regeneration in rats
2023年1月 Histochem Cell Biol (159、1、77-89)

Itsuki Nagata, Masato Kawashima, Anna Miyazaki, Makoto Miyoshi, Tohma Sakuraya, Takahiro Sonomura, Eri Oyanagi, Hiromi Yano, Takamitsu Arakawa
Icing after skeletal muscle injury with necrosis in a small fraction of myofibers limits inducible nitric oxide synthase-expressing macrophage invasion and facilitates muscle regeneration
2023年4月 Am J Physiol Regul Integr Comp Physiol. (324、4、R574-R588)