

## 厚生労働科学研究費の補助を受けたことが明記された書籍・雑誌

<b>書籍：著者氏名，論文タイトル名，書籍全体の編集者名，書籍名，出版社名，出版地，出版年，ページ</b>
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【厚生労働科学研究費により刊行】
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堀就英、安武大輔、平川博仙、戸高尊、広瀬勇氣、新谷依子、梶原淳睦、香月進、三苫千景、古江増隆、油症認定患者及び未認定者の血液中ダイオキシン類濃度と傾向(2001～2017年度)，福岡医学雑誌，110(2)．61-66．2019．

松本伸哉、赤羽学、神奈川芳行、梶原淳睦、三苫千景、内博史、古江増隆、今村知明 カネミ油症におけるダイオキシン類の排出速度は延長している 福岡医学雑誌 110 (2) : 67-72、2019．

戸高尊、広瀬勇氣、上原口奈美、千々和勝己、池田光政、高尾圭子、三苫千景、古江増隆．平成16および平成26年度に測定した油症患者血液中ダイオキシン類濃度の比較．福岡医学雑誌，2019．110(2)：73-81．

太田千穂，山本健太，加藤善久，藤井由希子，原口浩一，木村 治，遠藤哲也，古賀信幸，2,2',3,4',5,6,6'-七塩素化ビフェニル(CB188)のラットおよびモルモット肝ミクロゾームによる代謝．福岡医誌，110(2)，83-90 (2019)．

酒谷圭一、安武大輔、高橋浩司、堀就英、梶原淳睦、香月進、中野武、三苫千景、古江増隆、油症一斉検診における血液試料中の2,2',3,4,4',5',6-Heptachlorobiphenyl (PCB183)のキラル分析、福岡医学雑誌，110(2)．91-96．2019．

近藤英明、三苫千景、前田隆浩、古江増隆．油症患者におけるダイオキシン類毒性と不眠：全国横断調査結果．福岡医誌，110(2)，97-108 (2019)．

辻 学、竹村正規、八谷颯子、古江増隆、中原剛士：上皮成長因子受容体阻害薬によって生じる芳香族炭化水素受容体の活性化について：ざ瘡様発疹の発症機序の可能性．福岡医誌，110(2)，113-121 (2019)．

辻 博、松村潔．油症における末梢血リンパ球亜集団に関する検討．福岡医学雑誌 110(2)：109-112，2019

武田知起，人見将也，山田英之，石井祐次，2,3,7,8-Tetrafluorodibenzo-p-dioxin のダイオキシン毒性に対する拮抗作用．福岡医学雑誌，110(2)：122-131 (2019)．

宋 穎霞\*，藤本景子\*，黒瀬 厚，石田卓巳，古賀貴之，李 任時，武田知起，武知進士，山田英之，田中嘉孝，石井祐次，雌マウス肝臓におけるセレン結合性タンパク質(SelenBP)の発現と2,3,7,8-tetrachlorodibenzo-p-dioxin 被誘導性：SelenBP1 欠損動物を用いた検討．福岡医学雑誌，110(2)：128-132 (2019)． \*Equally contributed to this work

【辻 学】

Furue M, Ishii Y, Tsukimori K, Tsuji G. Aryl Hydrocarbon Receptor and Dioxin- Related Health Hazards-Lessons from Yusho. *Int J Mol Sci.* 2021 Jan 12;22(2):E708. doi: 10.3390/ijms22020708. PMID: 33445793.

Vu YH, Hashimoto-Hachiya A, Takemura M, Yumine A, Mitamura Y, Nakahara T, Furue M, Tsuji G. IL-24 Negatively Regulates Keratinocyte Differentiation Induced by Tapinarof, an Aryl Hydrocarbon Receptor Modulator: Implication in the Treatment of Atopic Dermatitis. *Int J Mol Sci.* 2020 Dec 10;21(24):9412. doi: 10.3390/ijms21249412. PMID: 33321923; PMCID: PMC7764126.

Onozuka D, Nakamura Y, Tsuji G, Furue M. Cancer- and noncancer-specific cumulative incidence of death after exposure to polychlorinated biphenyls and dioxins: A competing risk analysis among Yusho patients. *Environ Int.* 2020 Dec 13;147:106320. doi: 10.1016/j.envint.2020.106320. Epub ahead of print. PMID: 33321390.

Onozuka D, Nakamura Y, Tsuji G, Furue M. Mortality in Yusho patients exposed to polychlorinated biphenyls and polychlorinated dibenzofurans: a 50-year retrospective cohort study. *Environ Health.* 2020 Nov 23;19(1):119. doi: 10.1186/s12940-020-00680-0. PMID: 33228703; PMCID: PMC7685647.

Nakahara T, Kido-Nakahara M, Tsuji G, Furue M. Basics and recent advances in the pathophysiology of atopic dermatitis. *J Dermatol.* 2020 Oct 29. doi: 10.1111/1346-8138.15664. Epub ahead of print. PMID: 33118662.

Mochizuki T, Tsuboi R, Iozumi K, Ishizaki S, Ushigami T, Ogawa Y, Kaneko T, Kawai M, Kitami Y, Kusuhara M, Kono T, Sato T, Sato T, Shimoyama H, Takenaka M, Tanabe H, Tsuji G, Tsunemi Y, Hata Y, Harada K, Fukuda T, Matsuda T, Maruyama R; Guidelines Committee of the Japanese Dermatological Association. Guidelines for the management of dermatomycosis (2019). *J Dermatol.* 2020 Dec;47(12):1343-1373. doi: 10.1111/1346-8138.15618. Epub 2020 Sep 25. PMID: 32978814.

Furue K, Ito T, Tsuji G, Nakahara T, Furue M. Scratch wound-induced CXCL8 upregulation is EGFR-dependent in keratinocytes. *J Dermatol Sci.* 2020 Sep;99(3):209-212. doi: 10.1016/j.jdermsci.2020.07.002. Epub 2020 Jul 15. PMID: 32690371.

Furue K, Ulzii D, Tanaka Y, Ito T, Tsuji G, Kido-Nakahara M, Nakahara T, Furue M. Pathogenic implication of epidermal scratch injury in psoriasis and atopic dermatitis. *J Dermatol.* 2020 Sep;47(9):979-988. doi: 10.1111/1346-8138.15507. Epub 2020 Jul 16. PMID: 32677165.

Kido-Nakahara M, Wang B, Ohno F, Tsuji G, Ulzii D, Takemura M, Furue M, Nakahara T. Inhibition of mite-induced dermatitis, pruritus, and nerve sprouting in mice by the endothelin receptor antagonist bosentan. *Allergy.* 2021 Jan;76(1):291-301. doi: 10.1111/all.14451. Epub 2020 Jul 16. PMID: 32535962.

Nakahara T, Kido-Nakahara M, Ulzii D, Miake S, Fujishima K, Sakai S, Chiba T, Tsuji G, Furue M. Topical application of endothelin receptor antagonist attenuates imiquimod-induced psoriasiform skin inflammation. *Sci Rep.* 2020 Jun 11;10(1):9510. doi: 10.1038/s41598-020-66490-z. PMID: 32528072; PMCID: PMC7289852.

Tanaka Y, Ito T, Tsuji G, Furue M. Baicalein Inhibits Benzo[a]pyrene-Induced Toxic Response by Downregulating Src Phosphorylation and by Upregulating NRF2-HMOX1 System. *Antioxidants (Basel).* 2020 Jun 9;9(6):507. doi: 10.3390/antiox9060507. PMID: 32526964; PMCID: PMC7346154.

Yumine A, Tsuji G, Furue M. Selective PPAR $\alpha$  agonist pemafibrate inhibits TNF- $\alpha$ -induced S100A7 upregulation in keratinocytes. *J Dermatol Sci.* 2020 Jul;99(1):69-72. doi: 10.1016/j.jdermsci.2020.05.005. Epub 2020 May 19. PMID: 32507539.

Eto A, Nakahara T, Kido-Nakahara M, Tsuji G, Furue M. Acrosyringeal endothelin-1 expression: Potential for fostering melanocytes in volar sites. *J Dermatol.* 2020 Aug;47(8):924-925. doi: 10.1111/1346-8138.15404. Epub 2020 May 18. PMID: 32424933.

Tsuji G, Hashimoto-Hachiya A, Yen VH, Miake S, Takemura M, Mitamura Y, Ito T, Murata M, Furue M, Nakahara T. Aryl Hydrocarbon Receptor Activation Downregulates IL-33 Expression in Keratinocytes via Ovo-Like 1. *J Clin Med.* 2020 Mar 24;9(3):891. doi: 10.3390/jcm9030891. PMID: 32214018; PMCID: PMC7141508.

Tsuji G, Hashimoto-Hachiya A, Yen VH, Takemura M, Yumine A, Furue K, Furue M, Nakahara T. Metformin inhibits IL-1 $\beta$  secretion via impairment of NLRP3 inflammasome in keratinocytes: implications for preventing the development of psoriasis. *Cell Death Discov.* 2020 Mar 4;6:11. doi: 10.1038/s41420-020-0245-8. PMID: 32194991; PMCID: PMC7055596.

Furue M, Furue K, Tsuji G, Nakahara T. Interleukin-17A and Keratinocytes in Psoriasis. *Int J Mol Sci.* 2020 Feb 13;21(4):1275. doi: 10.3390/ijms21041275. PMID: 32070069; PMCID: PMC7072868.

Furue M, Ulzii D, Nakahara T, Tsuji G, Furue K, Hashimoto-Hachiya A, Kido-Nakahara M. Implications of IL-13R $\alpha$ 2 in atopic skin inflammation. *Allergol Int.* 2020 Jul;69(3):412-416. doi: 10.1016/j.alit.2020.01.005. Epub 2020 Feb 6. PMID: 32037147.

Furue K, Ito T, Tanaka Y, Hashimoto-Hachiya A, Takemura M, Murata M, Kido-Nakahara M, Tsuji G, Nakahara T, Furue M. The EGFR-ERK/JNK-CCL20 Pathway in Scratched Keratinocytes May Underpin Koebnerization in Psoriasis Patients. *Int J Mol Sci.* 2020 Jan 9;21(2):434. doi: 10.3390/ijms21020434. PMID: 31936670; PMCID: PMC7013594.

Furue M, Tsuji G. Chloracne and Hyperpigmentation Caused by Exposure to Hazardous Aryl Hydrocarbon Receptor Ligands. *Int J Environ Res Public Health.* 2019 Dec 3;16(23):4864. doi: 10.3390/ijerph16234864. PMID: 31816860; PMCID: PMC6926551.

Furue K, Ito T, Tsuji G, Nakahara T, Furue M. The CCL20 and CCR6 axis in psoriasis. *Scand J Immunol.* 2020 Mar;91(3):e12846. doi: 10.1111/sji.12846. Epub 2019 Nov 24. PMID: 31692008.

Furue M, Hashimoto-Hachiya A, Tsuji G. Aryl Hydrocarbon Receptor in Atopic Dermatitis and Psoriasis. *Int J Mol Sci.* 2019 Oct 31;20(21):5424. doi: 10.3390/ijms20215424. PMID: 31683543; PMCID: PMC6862295.

Hashimoto-Hachiya A, Tsuji G, Furue M. Antioxidants cinnamaldehyde and Galactomyces fermentation filtrate downregulate senescence marker CDKN2A/p16INK4A via NRF2 activation in keratinocytes. *J Dermatol Sci.* 2019 Oct;96(1):53-56. doi: 10.1016/j.jdermsci.2019.09.002. Epub 2019 Sep 10. PMID: 31606066.

Furue K, Ito T, Tsuji G, Ulzii D, Vu YH, Kido-Nakahara M, Nakahara T, Furue M. The IL-13-OVOL1-FLG axis in atopic dermatitis. *Immunology.* 2019 Dec;158(4):281-286. doi: 10.1111/imm.13120. Epub 2019 Oct 1. PMID: 31509236; PMCID: PMC6856930.

Miake S, Tsuji G, Takemura M, Hashimoto-Hachiya A, Vu YH, Furue M, Nakahara T. IL-4 Augments IL-31/IL-31 Receptor Alpha Interaction Leading to Enhanced Ccl 17 and Ccl 22 Production in Dendritic Cells: Implications for Atopic Dermatitis. *Int J Mol Sci.* 2019 Aug 20;20(16):4053. doi: 10.3390/ijms20164053. PMID: 31434203; PMCID: PMC6719908.

Peng F, Tsuji G, Zhang JZ, Chen Z, Furue M. Potential role of PM2.5 in melanogenesis. *Environ Int.* 2019 Nov;132:105063. doi: 10.1016/j.envint.2019.105063. Epub 2019 Aug 6. PMID: 31394397.

Takeuchi S, Furusyo N, Ono J, Azuma Y, Takemura M, Esaki H, Yamamura K, Mitamura Y, Tsuji G, Kiyomatsu-Oda M, Hayashi J, Izuhara K, Furue M. Serum squamous cell carcinoma antigen (SCCA)-2 correlates with clinical severity of pediatric atopic dermatitis in Ishigaki cohort. *J Dermatol Sci.* 2019 Aug;95(2):70-75. doi: 10.1016/j.jdermsci.2019.07.005. Epub 2019 Jul 24. PMID: 31378660.

Furue K, Ito T, Tsuji G, Esaki H, Kido-Nakahara M, Nakahara T, Furue M. Does mechanical scratching cause the recruitment of T-helper 17 cells in atopic dermatitis? *J Dermatol.* 2019 Nov;46(11):e436-e437. doi: 10.1111/1346-8138.15011. Epub 2019 Jul 11. PMID: 31294475.

Ulzii D, Kido-Nakahara M, Nakahara T, Tsuji G, Furue K, Hashimoto-Hachiya A, Furue M. Scratching Counteracts IL-13 Signaling by Upregulating the Decoy Receptor IL-13R $\alpha$ 2 in Keratinocytes. *Int J Mol Sci.* 2019 Jul 6;20(13):3324. doi: 10.3390/ijms20133324. PMID: 31284553; PMCID: PMC6651282.

Shibuya S, Watanabe K, Tsuji G, Ichihashi M, Shimizu T. Platinum and palladium nanoparticle-containing mixture, PAPANAL, does not induce palladium allergy. *Exp Dermatol.* 2019 Sep;28(9):1025-1028. doi: 10.1111/exd.13996. Epub 2019 Jul 31. PMID: 31260134.

Furue M, Ulzii D, Vu YH, Tsuji G, Kido-Nakahara M, Nakahara T. Pathogenesis of Atopic Dermatitis: Current Paradigm. *Iran J Immunol.* 2019 Jun;16(2):97-107. doi: 10.22034/IJI.2019.80253. PMID: 31182684.

Furue K, Ito T, Tanaka Y, Yumine A, Hashimoto-Hachiya A, Takemura M, Murata M, Yamamura K, Tsuji G, Furue M. Cyto/chemokine profile of in vitro scratched keratinocyte model: Implications of significant upregulation of CCL20, CXCL8 and IL36G in Koebner phenomenon. *J Dermatol Sci.* 2019 Apr;94(1):244-251. doi: 10.1016/j.jdermsci.2019.04.002. Epub 2019 Apr 13. PMID: 31010609.

Furue K, Ito T, Tsuji G, Kadono T, Furue M. Psoriasis and the TNF/IL23/IL17 axis. *G Ital Dermatol Venereol.* 2019 Aug;154(4):418-424. doi: 10.23736/S0392-0488.18.06202-8. Epub 2019 Jan 15. PMID: 30648836.

Nakahara T, Konishi S, Yasukochi Y, Esaki H, Tsuji G, Kido-Nakahara M, Furue M. Thrombocytopenia in a psoriatic patient sequentially treated with adalimumab, secukinumab and ustekinumab. *J Dermatol.* 2019 May;46(5):e157-e158. doi: 10.1111/1346-8138.14681. Epub 2018 Oct 24. PMID: 30353917.

Furue M, Uchi H, Mitoma C, Hashimoto-Hachiya A, Tanaka Y, Ito T, Tsuji G. Implications of tryptophan photoproduct FICZ in oxidative stress and terminal differentiation of keratinocytes. *G Ital Dermatol Venereol.* 2019 Feb;154(1):37-41. doi: 10.23736/S0392-0488.18.06132-1. Epub 2018 Jul 20. PMID: 30035475.

Furue M, Fuyuno Y, Mitoma C, Uchi H, Tsuji G. Therapeutic Agents with AHR Inhibiting and NRF2 Activating Activity for Managing Chloracne. *Antioxidants (Basel).* 2018 Jul 13;7(7):90. doi: 10.3390/antiox7070090. PMID: 30011787; PMCID: PMC6071176.

Furue M, Hashimoto-Hachiya A, Tsuji G. Antioxidative Phytochemicals Accelerate Epidermal Terminal Differentiation via the AHR-OVOL1 Pathway: Implications for Atopic Dermatitis. *Acta Derm Venereol.* 2018 Nov 5;98(10):918-923. doi: 10.2340/00015555-3003. PMID: 29972223.

Hashimoto-Hachiya A, Tsuji G, Murai M, Yan X, Furue M. Upregulation of FLG, LOR, and IVL Expression by *Rhodiola crenulata* Root Extract via Aryl Hydrocarbon Receptor: Differential Involvement of OVOL1. *Int J Mol Sci.* 2018 Jun 4;19(6):1654. doi: 10.3390/ijms19061654. PMID: 29866992; PMCID: PMC6032276.

Murai M, Yamamura K, Hashimoto-Hachiya A, Tsuji G, Furue M, Mitoma C. Tryptophan photo-product FICZ upregulates AHR/MEK/ERK-mediated MMP1 expression: Implications in anti-fibrotic phototherapy. *J Dermatol Sci.* 2018 Jul;91(1):97-103. doi: 10.1016/j.jdermsci.2018.04.010. Epub 2018 Apr 21. PMID: 29703420.

Takemura M, Nakahara T, Hashimoto-Hachiya A, Furue M, Tsuji G. Glyteer, Soybean Tar, Impairs IL-4/Stat6 Signaling in Murine Bone Marrow-Derived Dendritic Cells: The Basis of Its Therapeutic Effect on Atopic Dermatitis. *Int J Mol Sci.* 2018 Apr 12;19(4):1169. doi: 10.3390/ijms19041169. PMID: 29649105; PMCID: PMC5979322.

Tsuji G, Ito T, Chiba T, Mitoma C, Nakahara T, Uchi H, Furue M. The role of the OVOL1-OVOL2 axis in normal and diseased human skin. *J Dermatol Sci*. 2018 Jun;90(3):227-231. doi: 10.1016/j.jdermsci.2018.02.005. Epub 2018 Feb 12. PMID: 29454536.

Furue K, Ito T, Tsuji G, Kadono T, Nakahara T, Furue M. Autoimmunity and autoimmune co-morbidities in psoriasis. *Immunology*. 2018 May;154(1):21-27. doi: 10.1111/imm.12891. Epub 2018 Feb 6. PMID: 29315555; PMCID: PMC5904708.

Kaku-Ito Y, Ito T, Tsuji G, Nakahara T, Hagihara A, Furue M, Uchi H. Evaluation of mapping biopsies for extramammary Paget disease: A retrospective study. *J Am Acad Dermatol*. 2018 Jun;78(6):1171-1177.e4. doi: 10.1016/j.jaad.2017.12.040. Epub 2017 Dec 23. PMID: 29277730.

Furue K, Yamamura K, Tsuji G, Mitoma C, Uchi H, Nakahara T, Kido-Nakahara M, Kadono T, Furue M. Highlighting Interleukin-36 Signalling in Plaque Psoriasis and Pustular Psoriasis. *Acta Derm Venereol*. 2018 Jan 12;98(1):5-13. doi: 10.2340/00015555-2808. PMID: 28967976.

【古江増隆】

Kido-Nakahara M, Nakahara T, Yasukochi Y, Ulzii D, Furue M. Patient-Oriented Eczema Measure score : A Useful Tool for Web-Based Surveys in Patients with Atopic Dermatitis. *Acta Derm Venereol*. 2020 May 28;100(10):adv00159. doi:10.2340/00015555-3530. PMID : 32449786. In press.

Kido-Nakahara M, Wang B, Ohno F, Tsuji G, Ulzii D, Takemura M, Furue M, Nakahara T. Inhibition of mite-induced dermatitis, pruritus, and nerve sprouting in mice by the endothelin receptor antagonist bosentan. *Allergy*. 2020 Jun 14. doi : 10.1111/all.14451. Epub ahead of print. PMID : 32535962. In press.

Itoh E, Furumura M, Furue M. Rate of actual metal allergy prior to dental treatment in subjects complaining of possible metal allergy. *Asian Pac J Allergy Immunol*. 2019 Mar 24. doi : 10.12932/AP-241018-0425. Epub ahead of print. PMID : 30903995. In press.

Sagata N, Kano SI, Ohgidani M, Inamine S, Sakai Y, Kato H, Masuda K, Nakahara T, Nakahara-Kido M, Ohga S, Furue M, Sawa A, Kanba S, Kato TA. Forskolin rapidly enhances neuron-like morphological change of directly induced-neuronal cells from neurofibromatosis type 1 patients. *Neuropsychopharmacol Rep*. 2020 Oct 10. doi : 10.1002/npr2.12144. Epub ahead of print. PMID : 33037790. In press.

Asahina R, Ueda K, Oshima Y, Kanei T, Kato M, Furue M, Tsukui T, Nagata M, Maeda S. Serum canine thymus and activation-regulated chemokine (TARC/CCL17) concentrations correlate with disease severity and therapeutic responses in dogs with atopic dermatitis. *Vet Dermatol*. 2020 Sep 17. doi : 10.1111/vde.12894. Epub ahead of print. PMID : 32945018. In press.

Sato S, Chiba T, Nakahara T, Furue M. Upregulation of IL-36 cytokines in folliculitis and eosinophilic pustular folliculitis. *Australas J Dermatol*. 2020 Feb ; 61(1) : e39-e45.

Yoshimoto M, Yamada Y, Ishihara S, Kohashi K, Toda Y, Ito Y, Yamamoto H, Furue M, Nakashima Y, Oda Y. Comparative Study of Myxofibrosarcoma With Undifferentiated Pleomorphic Sarcoma : Histopathologic and Clinicopathologic Review. *Am J Surg Pathol*. 2020 Jan ; 44(1) : 87-97.

Kaneko S, Tsuruta N, Yamaguchi K, Miyagi T, Takahashi K, Higashi Y, Morizane S, Nomura H, Yamaguchi M, Hino R, Sawada Y, Nakamura M, Ohyama B, Ohata C, Yonekura K, Hayashi H, Yanase T, Matsuzaka Y, Sugita K, Kikuchi S, Mitoma C, Nakahara T, Furue M, Okazaki F, Koike Y, Imafuku S. Western Japan Inflammatory Disease Research Group. Mycobacterium tuberculosis infection in psoriatic patients treated with biologics : Real-world data from 18 Japanese facilities. *J Dermatol*. 2020 Feb ; 47(2) : 128-132.

Ichiki T, Sugita K, Furue M, Yamamoto O. An Intimate Relationship Between Intralesional Depigmentation and Peripheral Nervous System in Lichen Simplex Chronicus. *Acta Derm Venereol*. 2020 Jan 30 ; 100(1) : adv00042. doi : 10.2340/00015555-3390. PMID : 31821517.

Leshem YA, Chalmers JR, Apfelbacher C, Furue M, Gerbens LAA, Prinsen CAC, Schmitt J, Spuls PI, Thomas KS, Williams HC, Simpson EL. Harmonising Outcome Measures for Eczema (HOME) initiative. Measuring atopic eczema symptoms in clinical practice : The first consensus statement from the Harmonising Outcome Measures for Eczema in clinical practice initiative. *J Am Acad Dermatol*. 2020 May ; 82(5) : 1181-1186.

Furue K, Ito T, Tanaka Y, Hashimoto-Hachiya A, Takemura M, Murata M, Kido- Nakahara M, Tsuji G, Nakahara T, Furue M. The EGFR-ERK/JNK-CCL20 Pathway in Scratched Keratinocytes May Underpin Koebnerization in Psoriasis Patients. *Int J Mol Sci*. 2020 Jan 9 ; 21(2) : 434.

Murata M, Ito T, Tanaka Y, Yamamura K, Furue K, Furue M. OVOL2-Mediated ZEB1 Downregulation May Prevent Promotion of Actinic Keratosis to Cutaneous Squamous Cell Carcinoma. *J Clin Med*. 2020 Feb 25 ; 9(3) : 618.

Ito T, Kaku-Ito Y, Murata M, Furue K, Shen CH, Oda Y, Furue M. Immunohistochemical BRAF V600E Expression and Intratumor BRAF V600E Heterogeneity in Acral Melanoma : Implication in Melanoma-Specific Survival. *J Clin Med*. 2020 Mar 4 ; 9(3) : 690.

Tsuji G, Hashimoto-Hachiya A, Yen VH, Takemura M, Yumine A, Furue K, Furue M, Nakahara T. Metformin inhibits IL-1  $\beta$  secretion via impairment of NLRP3 inflammasome in keratinocytes : implications for preventing the development of psoriasis. *Cell Death Discov*. 2020 Mar 4 ; 6 : 11.

Tsuji G, Hashimoto-Hachiya A, Yen VH, Miake S, Takemura M, Mitamura Y, Ito T, Murata M, Furue M, Nakahara T. Aryl Hydrocarbon Receptor Activation Downregulates IL-33 Expression in Keratinocytes via Ovo-Like 1. *J Clin Med*. 2020 Mar 24 ; 9(3) : 891.

Kamio Y, Gunge Y, Koike Y, Kuwatsuka Y, Tsuruta K, Yanagihara K, Furue M, Murota H. Insight into innate immune response in " Yusho" : The impact of natural killer cell and regulatory T cell on inflammatory prone diathesis of Yusho patients. *Environ Res*. 2020 Jun ; 185 : 109415.

Tanaka Y, Ito T, Tsuji G, Furue M. Baicalein Inhibits Benzo[a] pyrene-Induced Toxic Response by Downregulating Src Phosphorylation and by Upregulating NRF2-HMOX1 System. *Antioxidants* (Basel). 2020 Jun 9 ; 9(6) : 507.

Nakahara T, Kido-Nakahara M, Ulzii D, Miake S, Fujishima K, Sakai S, Chiba T, Tsuji G, Furue M. Topical application of endothelin receptor antagonist attenuates imiquimod-induced psoriasiform skin inflammation. *Sci Rep*. 2020 Jun 11 ; 10(1) : 9510.

Eto A, Nakahara T, Kido-Nakahara M, Tsuji G, Furue M. Acrosyringeal endothelin-1 expression : Potential for fostering melanocytes in volar sites. *J Dermatol*. 2020 Aug ; 47 (8) : 924-925.

Yumine A, Tsuji G, Furue M. Selective PPAR  $\alpha$  agonist pemafibrate inhibits TNF-  $\alpha$ -induced S100A7 upregulation in keratinocytes. *J Dermatol Sci*. 2020 Jul ; 99(1) : 69-72.

Furue K, Ito T, Tsuji G, Nakahara T, Furue M. Scratch wound-induced CXCL8 upregulation is EGFR-dependent in keratinocytes. *J Dermatol Sci*. 2020 Sep ; 99 (3) : 209-212.

Ito T, Kaku-Ito Y, Wada-Ohno M, Furue M. Narrow-Margin Excision for Invasive Acral Melanoma : Is It Acceptable? *J Clin Med*. 2020 Jul 16 ; 9(7) : 2266.

Murata M, Ito T, Tanaka Y, Kaku-Ito Y, Furue M. NECTIN4 Expression in Extramammary Paget's Disease : Implication of a New Therapeutic Target. *Int J Mol Sci*. 2020 Aug 16 ; 21(16) : 5891.

Nakahara T, Izuhara K, Onozuka D, Nunomura S, Tamagawa-Mineoka R, Masuda K, Ichiyama S, Saeki H, Kabata Y, Abe R, Ohtsuki M, Kamiya K, Okano T, Miyagaki T, Ishiujii Y, Asahina A, Kawasaki H, Tanese K, Mitsui H, Kawamura T, Takeichi T, Akiyama M,

Nishida E, Morita A, Tonomura K, Nakagawa Y, Sugawara K, Tateishi C, Kataoka Y, Fujimoto R, Kaneko S, Morita E, Tanaka A, Hide M, Aoki N, Sano S, Matsuda-Hirose H, Hatano Y, Takenaka M, Murota H, Katoh N, Furue M. Exploration of biomarkers to predict clinical improvement of atopic dermatitis in patients treated with dupilumab : A study protocol. *Medicine* (Baltimore). 2020 Sep 18 ; 99(38) : e22043.

Kinoshita I, Yamada Y, Kohashi K, Yamamoto H, Iwasaki T, Ishihara S, Toda YU, Ito Y, Susuki Y, Kawaguchi K, Ichiki T, Sato Y, Furue M, Nakashima Y, Oda Y. Frequent MN1 Gene Mutations in Malignant Peripheral Nerve Sheath Tumor. *Anticancer Res*. 2020 Nov ; 40(11) : 6221-6228.

Kitahara Y, Hojo S, Nomoto M, Onozuka D, Furue M, Hagihara A. Pharmacokinetic disposition of topical phosphodiesterase-4 inhibitor E6005 in patients with atopic dermatitis. *J Dermatolog Treat*. 2019 Aug ; 30(5) : 466-470.

Kido-Nakahara M, Nakahara T, Furusyo N, Shimoda S, Kotoh K, Kato M, Hayashi J, Koyanagi T, Furue M. Pruritus in Chronic Liver Disease : A Questionnaire Survey on 216 Patients. *Acta Derm Venereol*. 2019 Feb 1 ; 99(2) : 220-221.

Shiratori-Hayashi M, Hasegawa A, Toyonaga H, Andoh T, Nakahara T, Kido-Nakahara M, Furue M, Kuraishi Y, Inoue K, Dong X, Tsuda M. Role of P2X3 receptors in scratching behavior in mouse models. *J Allergy Clin Immunol*. 2019 Mar ; 143(3) : 1252-1254.

Nakahara T, Fujita H, Arima K, Taguchi Y, Motoyama S, Furue M. Treatment satisfaction in atopic dermatitis relates to patient-reported severity : A cross-sectional study. *Allergy*. 2019 Jun ; 74(6) : 1179-1181.

Chiba T, Nakahara T, Kohda F, Ichiki T, Manabe M, Furue M. Measurement of trihydroxy-linoleic acids in stratum corneum by tape-stripping : Possible biomarker of barrier function in atopic dermatitis. *PLoS One*. 2019 Jan 4 ; 14(1) : e0210013.

Wada N, Uchi H, Furue M. Trichophytic closure for cicatricial alopecia on the scalp. *J Dermatol*. 2019 Jun ; 46(6) : e189-e191.

Ohno F, Nakahara T, Kido-Nakahara M, Ito T, Nunomura S, Izuhara K, Furue M. Periostin Links Skin Inflammation to Melanoma Progression in Humans and Mice. *Int J Mol Sci*. 2019 Jan 4 ; 20(1) : 169.

Tsuruta N, Narisawa Y, Imafuku S, Ito K, Yamaguchi K, Miyagi T, Takahashi K, Fukamatsu H, Morizane S, Koketsu H, Yamaguchi M, Hino R, Nakamura M, Ohyama B, Ohata C, Kuwashiro M, Sato T, Saito K, Kaneko S, Yonekura K, Hayashi H, Yanase T, Morimoto K, Sugita K, Yanagihara S, Kikuchi S, Mitoma C, Nakahara T, Furue M, Okazaki F. Cross-sectional multicenter observational study of psoriatic arthritis in Japanese patients : Relationship between skin and joint symptoms and results of treatment with tumor necrosis factor- $\alpha$  inhibitors. *J Dermatol*. 2019 Mar ; 46(3) : 193-198.

Ichiki T, Kohda F, Hiramatsu T, Saiki R, Sakai A, Furue M. Early pathology in venom-induced consumption coagulopathy by *Rhabdophis tigrinus* (Yamakagashi snake) envenomation. *Clin Toxicol (Phila)*. 2019 Jul ; 57(7) : 668-671.

Prinsen CAC, Spuls PI, Kottner J, Thomas KS, Apfelbacher C, Chalmers JR, Deckert S, Furue M, Gerbens L, Kirkham J, Simpson EL, Alam M, Balzer K, Beeckman D, Eleftheriadou V, Ezzedine K, Horbach SER, Ingram JR, Layton AM, Weller K, Wild T, Wolkerstorfer A, Williams HC, Schmitt J. Navigating the landscape of core outcome set development in dermatology. *J Am Acad Dermatol*. 2019 Jul ; 81(1) : 297-305.

Furue K, Ito T, Tanaka Y, Yumine A, Hashimoto-Hachiya A, Takemura M, Murata M, Yamamura K, Tsuji G, Furue M. Cyto/chemokine profile of in vitro scratched keratinocyte model : Implications of significant upregulation of CCL20, CXCL8 and IL36G in Koebner phenomenon. *J Dermatol Sci*. 2019 Apr ; 94(1) : 244-251.

Furue K, Furue M, Furue M. Detailed visualization of Demodex mites by Dylon staining. *Pathol Res Pract*. 2019 Jun ; 215(6) : 152421.

Mihara R, Kabashima K, Furue M, Nakano M, Ruzicka T. Nemolizumab in moderate to severe atopic dermatitis : An exploratory analysis of work productivity and activity impairment in a randomized phase II study. *J Dermatol*. 2019 Aug ; 46(8) : 662-671.

Sugiyama A, Kishikawa R, Honjo S, Nishie H, Iwanaga T, Furue M. Anti-gluten IgE titer is associated with severity of provocation test-evoked symptoms in wheat-dependent exercise-induced anaphylaxis. *Allergol Int*. 2019 Oct ; 68(4) : 541-543.

Ulzii D, Kido-Nakahara M, Nakahara T, Tsuji G, Furue K, Hashimoto-Hachiya A, Furue M. Scratching Counteracts IL-13 Signaling by Upregulating the Decoy Receptor IL-13R  $\alpha$  2 in Keratinocytes. *Int J Mol Sci*. 2019 Jul 6 ; 20(13) : 3324.

Takeuchi S, Furusyo N, Ono J, Azuma Y, Takemura M, Esaki H, Yamamura K, Mitamura Y, Tsuji G, Kiyomatsu-Oda M, Hayashi J, Izuhara K, Furue M. Serum squamous cell carcinoma antigen (SCCA)-2 correlates with clinical severity of pediatric atopic dermatitis in Ishigaki cohort. *J Dermatol Sci*. 2019 Aug ; 95(2) : 70-75.

Yamada Y, Kohashi K, Kinoshita I, Yamamoto H, Iwasaki T, Yoshimoto M, Ishihara S, Toda Y, Ito Y, Koga Y, Hashisako M, Nozaki Y, Kiyozawa D, Kitahara D, Inoue T, Mukai M, Honda Y, Toyokawa G, Tsuchihashi K, Matsushita Y, Fushimi F, Taguchi K, Tamiya S, Oshiro Y, Furue M, Nakashima Y, Suzuki S, Iwaki T, Oda Y. Clinicopathological review of solitary fibrous tumors : dedifferentiation is a major cause of patient death. *Virchows Arch*. 2019 Oct ; 475(4) : 467-477.

Sakata D, Uruno T, Matsubara K, Andoh T, Yamamura K, Magoshi Y, Kunimura K, Kamikaseda Y, Furue M, Fukui Y. Selective role of neurokinin B in IL-31-induced itch response in mice. *J Allergy Clin Immunol*. 2019 Oct ; 144(4) : 1130-1133.

Miake S, Tsuji G, Takemura M, Hashimoto-Hachiya A, Vu YH, Furue M, Nakahara T. IL-4 Augments IL-31/IL-31 Receptor Alpha Interaction Leading to Enhanced Ccl17 and Ccl 22 Production in Dendritic Cells : Implications for Atopic Dermatitis. *Int J Mol Sci*. 2019 Aug 20 ; 20(16) : 4053.

Hashimoto-Hachiya A, Tsuji G, Furue M. Antioxidants cinnamaldehyde and Galactomyces fermentation filtrate downregulate senescence marker CDKN2A/p16INK4A via NRF2 activation in keratinocytes. *J Dermatol Sci*. 2019 Oct ; 96(1) : 53-56.

Fukushi JI, Tsushima H, Matsumoto Y, Mitoma C, Furue M, Miyahara H, Nakashima Y. Influence of dioxin-related compounds on physical function in Yusho incident victims. *Heliyon*. 2019 Oct 23 ; 5(10) : e02702.

Tanaka Y, Uchi H, Furue M. Antioxidant cinnamaldehyde attenuates UVB-induced photoaging. *J Dermatol Sci*. 2019 Dec ; 96(3) : 151-158. doi : 10.1016/j.jdermsci.2019.11.001. Epub 2019 Nov 6. PMID : 31735467.  
Tanaka Y, Uchi H, Ito T, Furue M. Indirubin-pregnane X receptor-JNK axis accelerates skin wound healing. *Sci Rep*. 2019 Dec 3 ; 9(1) : 18174.

Ito T, Kaku-Ito Y, Murata M, Ichiki T, Kuma Y, Tanaka Y, Ide T, Ohno F, Wada-Ohno M, Yamada Y, Oda Y, Furue M. Intra- and Inter-Tumor BRAF Heterogeneity in Acral Melanoma : An Immunohistochemical Analysis. *Int J Mol Sci*. 2019 Dec 8 ; 20(24) : 6191.

Hirakawa S, Miyawaki T, Hori T, Kajiwara J, Katsuki S, Hirano M, Yoshinouchi Y, Iwata H, Mitoma C, Furue M. Accumulation properties of polychlorinated biphenyl congeners in Yusho patients and prediction of their cytochrome P450-dependent metabolism by in silico analysis. *Environ Sci Pollut Res Int*. 2018 Jun ; 25(17) : 16455-16463.

Yamada Y, Kinoshita I, Kenichi K, Yamamoto H, Iwasaki T, Otsuka H, Yoshimoto M, Ishihara S, Toda Y, Kuma Y, Setsu N, Koga Y, Honda Y, Inoue T, Yanai H, Yamashita K, Ito I, Takahashi M, Ohga S, Furue M, Nakashima Y, Oda Y. Histopathological and genetic review of phosphaturic mesenchymal tumours, mixed connective tissue variant. *Histopathology*. 2018 Feb ; 72(3) : 460-471.

Miyawaki T, Sugihara M, Hirakawa S, Hori T, Kajiwara J, Katsuki S, Mitoma C, Furue M. Compound-specific isotopic and congener-specific analyses of polychlorinated biphenyl in the heat medium and rice oil of the Yusho incident. *Environ Sci Pollut Res Int*. 2018 Jun ; 25 (17) : 16464-16471.

Nakahara T, Kido-Nakahara M, Ohno F, Ulzii D, Chiba T, Tsuji G, Furue M. The pruritogenic mediator endothelin-1 shifts the dendritic cell-T-cell response toward Th17/Th1 polarization. *Allergy*. 2018 Feb ; 73(2) : 511-515.

Murai M, Tsuji G, Hashimoto-Hachiya A, Kawakami Y, Furue M, Mitoma C. An endogenous tryptophan photo-product, FICZ, is potentially involved in photo-aging by reducing TGF- $\beta$ -regulated collagen homeostasis. *J Dermatol Sci*. 2018 Jan ; 89(1) : 19-26.

Takeuchi S, Oba J, Esaki H, Furue M. Non-corticosteroid adherence and itch severity influence perception of itch in atopic dermatitis. *J Dermatol*. 2018 Feb ; 45(2) : 158-164.

Chiba T, Ishida N, Kohda F, Furue M. Air exposure may be associated with the histological differentiation of a cultured epidermal autograft (JACE). *Australas J Dermatol*. 2018 Aug ; 59(3) : e244-e246.

Mitoma C, Furue M. Overexpression of S100A7 protein is an integral part of abnormal epidermal differentiation in cornoid lamella of porokeratosis. *Int J Dermatol*. 2018 Feb ; 57 (2) : e7-e9.

Akahane M, Matsumoto S, Kanagawa Y, Mitoma C, Uchi H, Yoshimura T, Furue M, Imamura T. Long-Term Health Effects of PCBs and Related Compounds : A Comparative Analysis of Patients Suffering from Yusho and the General Population. *Arch Environ Contam Toxicol*. 2018 Feb ; 74(2) : 203-217.

Kaku-Ito Y, Ito T, Tsuji G, Nakahara T, Hagihara A, Furue M, Uchi H. Evaluation of mapping biopsies for extramammary Paget disease : A retrospective study. *J Am Acad Dermatol*. 2018 Jun ; 78(6) : 1171-1177.

Chiba T, Koga H, Kimura N, Murata M, Jinnai S, Suenaga A, Kohda F, Furue M. Clinical Condition and Management of 114 Mamushi (*Gloydius blomhoffii*) Bites in a General Hospital in Japan. *Intern Med*. 2018 Apr 15 ; 57(8) : 1075-1080.

Kiyomatsu-Oda M, Uchi H, Morino-Koga S, Furue M. Protective role of 6-formylindolo[3, 2-b] carbazole (FICZ), an endogenous ligand for arylhydrocarbon receptor, in chronic mite-induced dermatitis. *J Dermatol Sci*. 2018 Jun ; 90(3) : 284-294.

Mitamura Y, Nunomura S, Nanri Y, Ogawa M, Yoshihara T, Masuoka M, Tsuji G, Nakahara T, Hashimoto-Hachiya A, Conway SJ, Furue M, Izuhara K. The IL-13/periostin/IL-24 pathway causes epidermal barrier dysfunction in allergic skin inflammation. *Allergy*. 2018 Sep ; 73(9) : 1881-1891.

Fuyuno Y, Uchi H, Yasumatsu M, Morino-Koga S, Tanaka Y, Mitoma C, Furue M. Perillaldehyde Inhibits AHR Signaling and Activates NRF2 Antioxidant Pathway in Human Keratinocytes. *Oxid Med Cell Longev*. 2018 Feb 14 ; 2018 : 9524657.

Takemura M, Nakahara T, Hashimoto-Hachiya A, Furue M, Tsuji G. Glyteer, Soybean Tar, Impairs IL-4/Stat6 Signaling in Murine Bone Marrow-Derived Dendritic Cells : The Basis of Its Therapeutic Effect on Atopic Dermatitis. *Int J Mol Sci*. 2018 Apr 12 ; 19(4) : 1169.

Murai M, Yamamura K, Hashimoto-Hachiya A, Tsuji G, Furue M, Mitoma C. Tryptophan photo-product FICZ upregulates AHR/MEK/ERK-mediated MMP1 expression : Implications in anti-fibrotic phototherapy. *J Dermatol Sci*. 2018 Jul ; 91(1) : 97-103.

Grinich EE, Schmitt J, Küster D, Spuls PI, Williams HC, Chalmers JR, Thomas KS, Apfelbacher C, Prinsen CAC, Furue M, Stuart B, Carter B, Simpson EL. Standardized reporting of the Eczema Area and Severity Index (EASI) and the Patient-Oriented Eczema Measure (POEM) : a recommendation by the Harmonising Outcome Measures for Eczema (HOME) Initiative. *Br J Dermatol*. 2018 Aug ; 179(2) : 540-541.

Kabashima K, Furue M, Hanifin JM, Pulka G, Wollenberg A, Galus R, Etoh T, Mihara R, Nakano M, Ruzicka T. Nemozumab in patients with moderate-to-severe atopic dermatitis : Randomized, phase II, long-term extension study. *J Allergy Clin Immunol*. 2018 Oct ; 142(4) : 1121-1130.

Chiba T, Nakahara T, Fujishima K, Hashimoto-Hachiya A, Furue M. Epidermal barrier disruption by 9-hydroxy-10E, 12Z-octadecadienoic acid in human keratinocytes. *J Dermatol*. 2018 Jun ; 45(6) : 746-747.

Hashimoto-Hachiya A, Tsuji G, Murai M, Yan X, Furue M. Upregulation of FLG, LOR, and IVL Expression by *Rhodiola crenulata* Root Extract via Aryl Hydrocarbon Receptor : Differential Involvement of OVOL1. *Int J Mol Sci*. 2018 Jun 4 ; 19(6) : 1654.

Kondo H, Tanio K, Nagaura Y, Nagayoshi M, Mitoma C, Furue M, Maeda T. Sleep disorders among Yusho patients highly intoxicated with dioxin-related compounds : A 140-case series. *Environ Res*. 2018 Oct ; 166 : 261-268.

Furue M, Iida K, Imaji M, Nakahara T. Microbiome analysis of forehead skin in patients with atopic dermatitis and healthy subjects : Implication of *Staphylococcus* and *Corynebacterium*. *J Dermatol*. 2018 Jul ; 45(7) : 876-877.

Maehara E, Kido-Nakahara M, Ito T, Uchi H, Furue M. Darier's sign in urticaria pigmentosa-significance of perivascular eosinophilic infiltration. *Allergol Int*. 2018 Oct ; 67 (4) : 532-534.

Mitamura Y, Nunomura S, Nanri Y, Arima K, Yoshihara T, Komiya K, Fukuda S, Takatori H, Nakajima H, Furue M, Izuhara K. Hierarchical control of interleukin 13 (IL-13) signals in lung fibroblasts by STAT6 and SOX11. *J Biol Chem*. 2018 Sep 21 ; 293(38) : 14646-14658.

Mitamura Y, Murai M, Mitoma C, Furue M. NRF2 Activation Inhibits Both TGF- $\beta$  1- and IL-13-Mediated Periostin Expression in Fibroblasts : Benefit of Cinnamaldehyde for Antifibrotic Treatment. *Oxid Med Cell Longev*. 2018 Aug 7 ; 2018 : 2475047.

Nagae K, Uchi H, Morino-Koga S, Tanaka Y, Oda M, Furue M. Glucagon-like peptide-1 analogue liraglutide facilitates wound healing by activating PI3K/Akt pathway in keratinocytes. *Diabetes Res Clin Pract*. 2018 Dec ; 146 : 155-161.

Tanaka Y, Uchi H, Hashimoto-Hachiya A, Furue M. Tryptophan Photoproduct FICZ Upregulates IL1A, IL1B, and IL6 Expression via Oxidative Stress in Keratinocytes. *Oxid Med Cell Longev*. 2018 Nov 25 ; 2018 : 9298052.

【石井祐次】

Furue M, Ishii Y, Tsukimori K, Tsuji G. Aryl Hydrocarbon Receptor and Dioxin-Related Health Hazards-Lessons from Yusho. *Int. J. Mol. Sci.*, 22(2): 708 (2021)

Takeda T., Fujii M., Izumoto W., Hattori Y., Matsushita T., Yamada H., Ishii Y., Gestational dioxin exposure suppresses prolactin-stimulated nursing in lactating dam rats to impair development of postnatal offspring. *Biochem. Pharmacol.* 178: 114106 (2020)

Hattori Y.\*, Takeda T.\*, Nakamura A., Nishida K., Shioji Y., Fukumitsu H., Yamada H., Ishii Y., The aryl hydrocarbon receptor is indispensable for dioxin-induced defects in sexually-dimorphic behaviors due to the reduction in fetal steroidogenesis of the pituitary-gonadal axis in rats. *Biochem. Pharmacol.*, 154: 213-221 (2018). \*Equally contributed to this work

【申 敏哲】

Doi A, Sakasaki J, Tokunaga C, Sugita F, Kasae S, Nishimura K, Sato Y, Kuratsu T, Hashiguchi S, Shin MC, Yoshimura M. Both ipsilateral and contralateral, localized vibratory stimulations modulated pain-related sensory thresholds on the foot in mice and humans. *Journal of Pain Research* (11),pp.1645-1657, 2018.

Shin MC, Nonaka K, Yamaga T, Wakita M, Akaike H, Akaike N. Calcium channel subtypes on glutamatergic mossy fiber terminals synapsing onto rat hippocampal CA3 neurons. *Journal of Neurophysiology* 120(3),pp.1264-1273, 2018.

坂本勝哉, 田中哲子, 行平崇, 土井篤, 申敏哲. 骨格筋収縮へのA2型ボツリヌス毒素(A2NTX)の抑制効果. *Journal of Kumamoto Health Science University* (15),53-61, 2018.

Nonaka K, Kotani N, Akaike H, Shin MC, Yamaga T, Nagami H, Akaike N. Xenon modulates synaptic transmission to rat hippocampal CA3 neurons at both pre- and postsynaptic sites. 597(24), pp.5915-5933, 2019.

Torii Y, Sasaki M, Shin MC, Akaike N, Kaji R. Comparison of efficacy and toxicity between botulinum toxin subtypes A1 and A2 in cynomolgus macaques. *Toxicon* 153,pp.114-119, 2019.

申 敏哲, 原野智樹, 西山叶真, 田中哲子, 福永貴之, 行平崇, 土井篤. ラットの脳神経損傷に対する黒酢の有効性の検討. 保健科学研究誌 (16),49-57, 2019.

行平崇, 小牧龍二, 福永貴之, 田中哲子, 申敏哲. 舌への痛覚, 温・冷覚刺激がラットの記憶力と学習能力に及ぼす影響. Journal of Kumamoto Health Science University (17), 49-58, 2020.

【香月 進】

Hirakawa, S, Miyawaki, T, Hori, T, Kajiwara, J, Katsuki, S, Hirano, M, Yoshinouchi, Y, Iwata, H, Mitoma, C, Furue, M, *In silico* prediction of the metabolism of PCB congeners by Cytochrome P450 isozymes in Yusho patients. Organohalogen Compounds, 2019. 81. 171-174.

Sakatani, K, Yasutake, D, Takahashi, K, Hori, T, Nakano, T, Mitoma, C, Furue, M, Enantiomeric analysis of 2,2',3,4,4',5',6-heptachlorobiphenyl in the blood of Yusho patients, Organohalogen Compounds, 2019. 81. 25-28.(2019)

Ionic liquid extraction for the determination of polychlorinated dibenzo-*p*-dioxins, polychlorinated dibenzofurans, and dioxin-like polychlorinated biphenyls in soil and sediment. Organohalogen Compounds, 2018. 80. 129-132.

Miyawaki, T., Sugihara, M., Hirakawa, S., Hori, T., Kajiwara, J., Katsuki, S., Mitoma, C., Furue, M. Compound-specific isotopic and congener-specific analyses of polychlorinated biphenyl in the heat medium and rice oil of the Yusho incident. Environmental Science and Pollution Research, 2018, 25, 16464-16471.

Hirakawa, S., Miyawaki, T., Hori, T., Kajiwara, J., Katsuki, S., Hirano, M., Yoshinouchi, Y., Iwata, H., Mitoma, C., Furue, M. Accumulation properties of polychlorinated biphenyl congeners in Yusho patients and prediction of their cytochrome P450-dependent metabolism by *in silico* analysis. Environmental Science and Pollution Research, 2018. 25. 16455-16463.

【古賀信幸】

山本健太, 太田千穂, 徳富美沙紀, 古賀信幸, 5,7,4'-Trimethoxyflavonoid 類のラット肝による代謝—フラボン類とフラバノン類との比較—. 中村学園研究紀要, **52**, 107-114 (2020).

太田千穂, 山本健太, 徳富美沙紀, 古賀信幸. レスベラトロールメチル誘導体のラット肝ミクロゾームによる代謝および代謝物の抗酸化活性. 中村学園研究紀要 52: 97-105, 2020.

Kato Y, Tamaki S, Haraguchi K, Ikushiro S, Fujii Y, Ohta C, Atobe K, Kimura O, Endo T, Koga N, Yamada S, Degawa M. Kanechlor 500-mediated changes in serum and hepatic thyroxine levels primarily occur in a transthyretin-unrelated manner. J Appl Toxicol 39:1701-1709, 2019.

太田千穂, 山本健太, 徳富美沙紀, 加藤善久, 古賀信幸. 3,7,3',4'-Tetramethoxyflavone (FTM)のラット、モルモットおよびヒト肝ミクロゾームによる代謝. 中村学園研究紀要 51: 89-96, 2019.

【月森清巳】

Furue M, Ishii Y, Tsukimori K, Tsuji G. Aryl Hydrocarbon Receptor and Dioxin- Related Health Hazards-Lessons from Yusho. *Int J Mol Sci.* 12;22(2):E708,2021.

Mitoma C, Uchi H, Tsukimori K, Todaka T, Kajiwara J, Shimose T, Akahane M, Imamura T, Furue M. Current state of yusho and prospects for therapeutic strategies. *Environ Sci Pollut Res Int.* 2018;25(17):16472-16480. doi: 10.1007/s11356-017-0833-1.

【戸高 尊】

Todaka T, Hirose Y, Kamiharaguchi N, Kajiwara J, Chijiwa K, Ikeda M, Takao Y, Mitoma C, Furue M. Comparison of the concentrations of polychlorinated dibenzo-*p*-dioxins, polychlorinated dibenzofurans, and polychlorinated biphenyls in the blood of Yusho patients measured in 2004 with those measured in 2014. *Fukuoka Igaku Zasshi*, 2019 May; 110(2): 15-23.

Hori T, Yasutake D, Hirakawa H, Todaka T, Hirose Y, Shintani Y, Kajiwara J, Katsuki S, Mitoma C, Furue M. Blood dioxin concentrations and their tendencies examined in 2001-2017 annual inspections for Yusho. *Fukuoka Igaku Zasshi*, 2019 May; 110(2): 3-8.

【小野塚大介】

Onozuka D, Nakamura Y, Tsuji G, Furue M. Mortality in Yusho patients exposed to polychlorinated biphenyls and polychlorinated dibenzofurans: a 50-year retrospective cohort study. *Environmental Health.* 2020;19(1):119.

【津嶋秀俊】

Fukushi JI, Tsushima H, Matsumoto Y, Mitoma C, Furue M, Miyahara H, Nakashima Y. Influence of dioxin-related compounds on physical function in Yusho incident victims. *Heliyon.* 2019 Oct 23;5(10):e02702. doi: 10.1016/j.heliyon.2019.e02702.

【室田浩之】

Kamio Y, Gunge Y, Koike Y, Kuwatsuka Y, Tsuruta K, Yanagihara K, Furue M, Murota H. Insight into innate immune response in "Yusho": The impact of natural killer cell and regulatory T cell on inflammatory prone diathesis of Yusho patients. *Environ Res* 185: 109415, 2020.10.1016/j.envres.2020.109415