

## 研究成果の刊行に関する一覧表

## 書籍

著者氏名	論文タイトル名	書籍全体の編集者名	書籍名	出版社名	出版地	出版年	ページ
<u>山田隆志</u>	Next Generation Risk Assessment への期待と課題	小島肇夫	動物実験代替法と New Approach Methods の開発・利用動向	シーエムシー出版	東京	2023	7-13
Ono R, Yoshioka Y, Furukawa Y, Naruse M, Kuwagata M, Ochiya T, Kitajima S, <u>Hirabayashi Y</u>	EV (Extracellular Vesicle)-associated miRNAs as Biomarkers of Toxicity	Saura C. Sahu	Genomic and Epigenomic Biomarkers of Toxicology and Disease: Clinical and Therapeutic Actions	Wiley	USA	2022	37-62

## 雑誌

発表者氏名	論文タイトル名	発表誌名	巻号	ページ	出版年
<u>Hirabayashi Y</u> , Maki K, Kinoshita K, Nakazawa T, Obika S, Naota M, Watanabe K, Suzuki M, Arato T, Fujisaka A, Fueki O, Ito K, Onodera H.	Considerations of the Japanese Research Working Group for the ICH S6 & Related Issues Regarding Nonclinical Safety Assessments of Oligonucleotide Therapeutics: Comparison with Those of Biopharmaceuticals	<i>Nucleic Acid Ther</i>	31	114-125	2021
Yamamoto E, Taquahashi Y, Kuwagata M, Saito H, <u>Matsushita K</u> , <u>Toyoda T</u> , Sato F, Kitajima S, <u>Ogawa K</u> , Izutsu K, Saito Y, <u>Hirabayashi Y</u> , Iimura Y, Homma M, Okuda H, Goda Y.	Visualizing the spatial localization of ciclesonide and its metabolites in rat lungs after inhalation of 1- $\mu$ m ciclesonide aerosol by desorption electrospray ionization-time of flight mass spectrometry imaging	<i>Int J Pharm</i>	595	120241	2021

Harada T, Tsuboi I, Hino, H, Yuda M, <u>Hirabayashi Y</u> , Hirai S, Aizawa S.	Age-related exacerbation of hematopoietic organ damage induced by systemic hyper-inflammation in senescence-accelerated mice	<i>Scientific Reports</i>	11, Article number	23250	2021
Imamura M, Wanibuchi S, Yamamoto Y, <u>Kojima H</u> , Ono A, Kasahara T, Fujita M.	Improving predictive capacity of the Amino acid Derivative Reactivity Assay test method for skin sensitization potential with an optimal molar concentration of test chemical solution	<i>J Appl Toxicol.</i>	41(2)	303-329	2021
<u>Kojima H.</u>	Alternatives to animal testing	<i>Impact</i>		44-45	2021
<u>Nishikawa A</u> , Nagano K, <u>Kojima H</u> , <u>Ogawa K.</u>	A comprehensive review of mechanistic insights into formaldehyde-induced nasal cavity carcinogenicity	<i>Regul Toxicol Pharmacol</i>	123	104937	2021
<u>Nishikawa A</u>	Perspectives on the elimination of animal assays in the assessment of carcinogenicity	<i>Regul Toxicol Pharmacol</i>	126	105031	2021
Kobayashi T, <u>Toyoda T</u> , Tajima Y, Kishimoto S, Tsunematsu Y, Sato M, <u>Matsushita K</u> , Yamada T, Shimamura Y, Masuda S, Ochiai M, <u>Ogawa K</u> , Watanabe K, Takamura-Enya T, Totsuka Y, Wakabayashi K, Miyoshi N.	<i>o</i> -Anisidine dimer, 2-methoxy- <i>N</i> <sup>4</sup> -(2-methoxyphenyl) benzene-1,4-diamine, in rat urine associated with urinary bladder carcinogenesis	<i>Chem Res Toxicol.</i>	34	912-919	2021
<u>Matsushita K</u> , Takasu T, Ishii Y, <u>Toyoda T</u> , Yamada T, Morikawa T, <u>Ogawa K.</u>	<i>In vivo</i> mutagenicity and tumor-promoting activity of 1,3-dichloro-2-propanol in the liver and kidneys of <i>gpt</i> delta rats	<i>Arch Toxicol</i>	95	3117-3131	2021

Chen R, You X, Cao Y, Masumura K, Ando T, Hamada S, <u>Horibata K</u> , Wan J, Xi J, Zhang X, Honma M, Luan Y.	Benchmark dose analysis of multiple genotoxicity endpoints in gpt delta mice exposed to aristolochic acid I.	<i>Mutagenesis</i>	36(1)	87-94	2021
Kasamatsu T, Kitazawa A, Tajima S, Kaneko M, Sugiyama KI, Yamada M, Yasui M, Masumura K, <u>Horibata K</u> , Honma M.	Development of a new quantitative structure-activity relationship model for predicting Ames mutagenicity of food flavor chemicals using StarDrop™ auto-Modeller™	<i>Genes Environ</i>	43(1)	16	2021
Honma M, Yamada M, Yasui M, <u>Horibata K</u> , Sugiyama KI, Masumura K.	In vivo and in vitro mutagenicity of perillaldehyde and cinnamaldehyde	<i>Genes Environ</i>	43(1)	30	2021
Ambe K, Suzuki M, <u>Ashikaga T</u> , Tohkin M.	Development of quantitative model of a local lymph node assay for evaluating skin sensitization potency applying machine learning CatBoost	<i>Regul Toxicol Pharmacol</i>	125	105019	2021
Nishida H, Ohtake T, <u>Ashikaga T</u> , Hirota M, Onoue S, Seto Y, Tokura Y, Kouzuki H.	In chemico sequential testing strategy for assessing the photoallergic potential	<i>Toxicology in Vitro</i>	77	105245	2021
Narita K, Okutomi H, Kawakami K, Sui H, Basketter D, <u>Ashikaga T</u> .	Behavior of Chemical Respiratory Sensitizers in <i>in Vitro</i> Methods for Skin Sensitization	<i>AATEX</i>	26(1)	9-18	2021

<u>Ashikaga T</u> , Ambe K, Suzuki M, Kurimoto M, <u>Yamada T</u> , Tohkin M.	Establishment of a Threshold of Toxicological Concern Concept for Skin Sensitization by in Vitro/in Silico Approaches	日本化粧品学 会誌	45(4)	331-335	2021
Masumoto M, Fukuda I, Furihata S, Arai T, Kageyama T, <u>Ohmori K</u> , Shirakawa S, Fukuda J.	Deep neural network for the determination of transformed foci in Bhas 42 cell transformation assay	<i>Sci. Rep</i>	11(1)	23344	2021
Nishida H, Ohtake T, Ashikaga T, Hirota M, <u>Onoue S</u> , Seto Y, Tokura Y, Kouzuki H.	In chemico sequential testing strategy for assessing the photoallergic potential	<i>Toxicology in Vitro</i>	77	105245	2021
Seto Y, Tonami R, Iyama Y, Sato H, <u>Onoue S</u> .	An approach to evaluate metabolite-related phototoxicity with combined use of photochemical properties and skin deposition	<i>Toxicology Letters</i>	350	91-97	2021
<u>Onoue S</u> .	Establishment and international harmonization of photosafety testing strategy	<i>Yakugaku Zasshi</i>	141	807-812	2021
Taquahashi Y, <u>Saito H</u> , Ku wagata M, Kitajima S.	Development of an inhalation exposure system of a pressurized metered-dose inhaler (pMDI) formulation for small experimental animals	<i>Fundam Toxicol Sci.</i>	8	169-175	2021
Sasaki T, <u>Saito H</u> , Hiradate Y, Hara K, Tanemura K.	Behavioural effects in mice orally exposed to domoic acid or ibotenic acid are influenced by developmental stages and sex differences	<i>Biochem Biophys Res Commun</i>	558	175-182	2021

<u>Yamada T</u> , Miura M, Kawamura T, Ushida K, Inoue K, Kuwagata M, Katsutani N, Hirose A.	Constructing a developmental and reproductive toxicity database of chemicals (DART NIHS DB) for integrated approaches to testing and assessment	<i>J. Toxicol. Sci</i>	46	531-538	2021
<u>Yamada T</u> , Kawamura T, Maruyama T, Kurimoto M, Yamamoto H, Katsutani N, Hirose A.	Quantitative structure-activity relationship and a category approach to support algal toxicity assessment of human pharmaceuticals	<i>Fundam. Toxicol. Sci.</i>	8	195-204	2021
Iso T, Shigeta Y, Murata Y, Hirose N, Inoue K, <u>Yamada T</u> , Hirose A, Matsumoto M.	Summary information of human health hazard assessment of existing chemical substances (VII)	<i>Bull. Natl Inst. Health Sci.</i>	139	71-78	2021
Tanabe S, Hirose A, <u>Yamada T</u> .	Adverse Outcome Pathway on Histone deacetylase inhibition leading to testicular atrophy	<i>OECD Series on Adverse Outcome Pathways No. 17</i>			2021
Lee BM, Lee SH, <u>Yamada T</u> , Park S, Wang Y, Kim KB, Kwon S.	Read-across approaches: Current applications and regulatory acceptance in Korea, Japan, and China	<i>J. Toxicol. Environ. Health. A.</i>	85(5)	184-197	2022
Fujita M, Yamamoto Y, Wanibuchi S, Watanabe S, Yamaga H, Wakabayashi K, Tahara Y, Horie N, Fujimoto K, Takeuchi K, Kamiya K, Kawakami T, Kojima K, Sozu T, <u>Kojima H</u> , Kasahara T, Ono A.	The within- and between-laboratories reproducibility and predictive capacity of Amino acid Derivative Reactivity Assay using 4 mM test chemical solution: Results of ring study implemented at five participating laboratories	<i>Applied Toxicology</i>	42(2)	318-333	2022

Iso T, Natsume M, Murata Y, Shigeta Y, Hirose N, Umano T, <u>Horibata K</u> , Masumura K, Sugiyama K, Matsumoto M, Hirose A.	Absence of in vivo mutagenicity of 4,4'-oxybis (benzenesulfonohydrazide) in liver and glandular stomach of Muta <sup>TM</sup> Mouse	<i>Fundam. Toxicol. Sci.</i>	9(2)	31-36	2022
Grúz P, Yasui M, Ukai A, <u>Horibata K</u> , Honma M, Sugiyama K.	Potent mutagenicity of an azide, 3-azido-1,2-propanediol, in human TK6 cells	<i>Mutation Research</i>	876-877	503475	2022
Watanabe-Matsumoto S, Yoshida K, Meiseki Y, Ishida S, <u>Yamada T</u> .	A physiologically based kinetic modeling of ethyl tert-butyl ether in humans—An illustrative application of quantitative structure-property relationship and Monte Carlo simulation	<i>J. Toxicol. Sci.</i>	47(2)	77-87	2022
Yuda M, Aizawa S, Tsuboi I, <u>Hirabayashi Y</u> , Harada T, Hino H, Hirai S	Imbalanced M1 and M2 Macrophage Polarization in Bone Marrow Provokes Impairment of the Hematopoietic Microenvironment in a Mouse Model of Hemophagocytic Lymphohistiocytosis	<i>Biol Pharm Bull</i>	45	1602-1608	2022
JPMA課題対応チーム (13名), ICH S6対応研究班 (5名)	核酸医薬品の非臨床安全性評価における疑問と考え方について	医薬品医療機器レギュラトリーサイエンス	53 (3)	211-218	2022
Kimura Y, Yasuno R, Iwaki T, Fujimura C, Ohmiya Y, Nakajima Y, Omori T, Corsini E, Inoue T, Rogen EL, <u>Kojima H</u> , Aiba S.	An international validation study of the interleukin-2 luciferase leukocyte toxicity test (IL-2 Luc LTT) to evaluate potential immunosuppressive chemicals and its performance after use with the interleukin-2 luciferase assay (IL-2 Luc assay)	<i>Toxico In Vitro.</i>	88	105535	2022

Imamura M, Yamamoto Y, Fujita M, Wanibuchi S, Nakashima N, <u>Kojima H</u> , Ono A, Kasahara T.	Applicability of ADRA (4 mM) for the prediction of skin sensitization by combining multiple alternative methods to evaluate key events	<i>J Appl Toxicol.</i>	42(7)	1159-1167	2022
Yamamoto Y, Fujita M, Watanabe S, Yamaga H, Wakabayashi K, Tahara Y, Horie N, Fujimoto K, Takeuchi K, Kamiya K, Kawakami T, Kojima K, Sozu T, <u>Kojima H</u> , Kasahara T, Ono A.	Within- and between-laboratory reproducibility and predictive capacity of amino acid derivative reactivity assay (ADRA) using a 0.5 mg/mL test chemical solution: Results of the study for reproducibility confirmation implemented in five participating laboratories	<i>J Appl Toxicol.</i>	42(6)	1078-1090	2022
Fujita M, Yamamoto Y, Wanibuchi S , Watanabe S, Yamaga H, Wakabayashi K, Tahara Y, Horie N, Fujimoto K, Takeuchi K, Kamiya K, Kawakami T, Kojima K, SozuT, <u>Kojima H</u> , Kasahara T, Ono A.	The within- and between-laboratories reproducibility and predictive capacity of Amino acid Derivative Reactivity Assay using 4 mM test chemical solution: Results of ring study implemented at five participating laboratories	<i>J Appl Toxicol.</i>	42(2)	318-333	2022
Piersma AH, Baker NC, Daston GP, Flick B, Fujiwara M, Knudsen TB, Spielmann H, Suzuki N, Tsaïoun K, <u>Kojima H</u> .	Pluripotent stem cell assays: Modalities and applications for predictive developmental toxicity	<i>Current Research in Toxicology</i>	3	100074	2022

Anklam E, Bahl MI, Ball R, Beger RD, Cohen J, Fitzpatrick S, <u>Koijma H</u> , et al	Emerging technologies and their impact on regulatory science.	<i>Exp Biol Med</i> (Maywood)	247(1)	1-75	2022
小島肇, 渡辺美香	一般財団法人食品薬品 安全センターにおける 代替法研究	秦野研究所年 報	45	8-17	2022
Uno K, <u>Miyajima K</u> , Toma M, Suzuki-Kemuriy ama N, Nakae D.	CD44 expression in the bile duct epithelium is related to hepatic fibrosis in nonalcoholic steatohepatitis rats induced by a choline-deficient, methionine-lowered, L-amino acid diet	<i>J Toxicol Pathol.</i>	35(2)	149-157	2022
<u>Toyoda T</u> , <u>Ogawa K.</u>	Early detection of urinary bladder carcinogens in rats by immunohistochemistry for $\gamma$ -H2AX: a review from analyses of 100 chemicals	<i>J Toxicol Pathol.</i>	35	283-298	2022
<u>Toyoda T</u> , Kobayashi T, Miyoshi N, <u>Matsushita K</u> , Akane H, Morikawa T, <u>Ogawa K.</u>	Toxicological effects of two metabolites derived from o-toluidine and o-anisidine after 28-day oral administration to rats	<i>J Toxicol Sci.</i>	47	457-466	2022
Yamada T, <u>Toyoda T</u> , <u>Matsushita K</u> , Akane H, Morikawa T, Cho YM, <u>Ogawa K.</u>	Persistent $\gamma$ -H2AX formation and expression of stem cell markers in N-butyl-N-(4-hydroxybu tyl)nitrosamine-induced bladder carcinogenesis in rats	<i>Toxicol Sci.</i>	189	51-61	2022



Akane H, <u>Toyoda T</u> , Mizuta Y, Cho YM, Ide T, Kosaka T, Tajima H, Aoyama H, <u>Ogawa K</u> .	Histopathological and immunohistochemical evaluation for detecting changes in blood hormone levels caused by endocrine disruptors in a 28-day repeated-dose study in rats	<i>J Appl Toxicol.</i>	42	1603-1617	2022
Kobayashi T, Kishimoto S, Watanabe S, Yoshioka Y, <u>Toyoda T</u> , <u>Ogawa K</u> , Watanabe K, Totsuka Y, Wakabayashi K, Miyoshi N.	Cytotoxic homo- and hetero-dimers of o-toluidine, o-anisidine, and aniline formed by in vitro metabolism	<i>Chem Res Toxicol.</i>	35	1625-1630	2022
Arakawa N, Ushiki A, Abe M, Matsuyama S, Saito Y, Kashiwada T, Horimasu Y, Gemma A, Tatsumi K, Hattori N, Tsushima K, Miyashita K, Saito K, Nakamura R, Toyoda T, <u>Ogawa K</u> , Sato M, Takamatsu K, Mori K, Nishiya T, Izumi T, Ohno Y, Saito Y, Hanaoka M.	Stratifin as a novel diagnostic biomarker in serum for diffuse alveolar damage	<i>Nat Commun.</i>	13	5854	2022
Grúz P, Yasui M, Ukai A, <u>Horibata K</u> , Honma M, Sugiyama KI.	Potent mutagenicity of an azide, 3-azido-1,2-propanediol, in human TK6 cells	<i>Mutation Research</i>	876-877	50347531	2022

Iso T, Natsume M, Murata Y, Shigeta Y, Hirose N, Umano T, <u>Horibata K.</u> Masumura K, Sugiyama KI, Matsumoto M, Hirose A.	Absence of in vivo mutagenicity of 4,4'-oxybis(benzenesulfonylhydrazide) in liver and glandular stomach of MutaTM Mouse	<i>Fundam. Toxicol. Sci.</i>	9(2)	31-36	2022
Honma M, Yamada M, Yasui M, <u>Horibata K.</u> Sugiyama KI, Masumura K.	Genotoxicity assessment of food-flavoring chemicals used in Japan	<i>Toxicology Reports</i>	9	1008-1012	2022
<u>Horibata K.</u> Takasawa H, Hojo M, Taquahashi Y, Shigano M, Yokota S, Kobayashi N, Sugiyama KI, Honma M, Hamada S.	In vivo genotoxicity assessment of a multiwalled carbon nanotube in a mouse ex vivo culture	<i>Genes and Environment</i>	44	24	2022
Ohtake H, Tokuyoshi Y, Iyama Y, Nukaga T, Nishida H, Ohtake T, Hirota M, Yamada K, Seto Y, Sato H, Kouzuki H, <u>Onoue S.</u>	Reactive oxygen species (ROS) assay-based photosafety screening for complex ingredients: Modification of the ROS assay protocol	<i>J. Toxicol. Sci</i>	47(11)	483-492	2022
Nakamura K, Kambayashi A, <u>Onoue S.</u>	Quantitative assessment of disintegration rate is important for predicting the oral absorption of solid dosage forms containing poorly soluble weak base drugs	<i>Eur J Pharm Biopharm</i>	180	23-32	2022

Halder S, Mibe Y, Rikimura S, Kuromi K, Sato H, <u>Onoue S.</u>	Strategic application of liposomal system to R- $\alpha$ -lipoic acid for the improvement of nutraceutical properties	<i>Drug Dev Ind Pharm</i>	48	239-246	2022
Sato H, Yamane C, Higuchi K, Shindo T, Shikama H, Yamada K, <u>Onoue S.</u>	Development of stabilized fuzapladib solution for injection: forced degradation study and pharmacokinetic evaluation	<i>Pharm Dev Technol</i>	27(5)	565-571	2022
Banik S, Yamada K, Sato H, <u>Onoue S.</u>	Development of poly(lipoic acid) nanoparticles with improved oral bioavailability and hepatoprotective effects of quercetin	<i>Mol. Pharm</i>	19(5)	1468-1476	2022
Yamada K, Hayashi Y, Sasaki K, Higuchi K, Shindo T, Shikama H, Sato H, <u>Onoue S.</u>	Nanocrystal solid dispersion of fuzapladib free acid with improved oral bioavailability	<i>Biopharm Drug Dispos</i>	43(3)	89-97	2022
Yamada S, Niiya R, Ito Y, Kato Y, <u>Onoue S.</u>	Comparative characterization of $\beta$ -adrenoceptors in the bladder, heart, and lungs of rats: Alterations in spontaneously hypertensive rats	<i>J. Pharmacol. Sci.</i>	148(1)	51-55	2022
高橋祐次, 齊藤洋克, 栗形麻樹子, 北嶋聡	加圧式定量噴霧式吸入器 (pMDI) 製剤のげっ歯類を対象とした鼻部ばく露装置の開発	<i>Jpn J Clin Toxicol.</i>	35	255-259	2022
Kuroda K, Ishii Y, Takasu S, <u>Matsushita K.</u> Kijima A, Nohmi T, Umemura T.	Toxicity, genotoxicity, and carcinogenicity of 2-methylfuran in a 90-day comprehensive toxicity study in gpt delta rats	<i>Food Chem Toxicol.</i>	168	113365	2022
Murayama N, <u>Yamada T.</u> Yamazoe Y.	Application of CYP1A2-Template system to understand metabolic processes in the safety assessment	<i>Food Safety</i>	10(4)	129-139	2022

<u>Yamada T</u> , Kawamura T, Tsujii S, Miura M, Ohata H, Katsutani K, Matsumoto M, Hirose A.	Formation and evaluation of mechanism-based chemical categories for regulatory read-across assessment of repeated-dose toxicity: a case of hemolytic anemia	<i>Regul. Toxicol. Pharmacol.</i>	136	105275	2022
<u>Yamada T</u> , Katsutani K, Maruyama T, Kawamura T, Yamazaki H, Murayama N, Tong W, Yamazoe Y, Hirose A.	Combined risk assessment of food-derived coumarin with in silico approaches	<i>Food Safety</i>	10(3)	73-82	2022
<u>山田 隆志</u>	Cefic LRI/ILSI Europe Joint Workshopでの Carcinogen Dose Response Database for Threshold of Toxicological Concern (TTC) の概要ならびにTTCに関する近年の国際動向	イルシー	150	4-12	2022
Murata Y, Umamo T,Iso T, Shigeta Y, Hirose N, Inoue K, <u>Yamada T</u> , Masumura K, Matsumoto M	Summary information of human health hazard assessment of existing chemical substances (VIII)	<i>Bull. Natl. Inst. Health Sci.,</i>	140	54-60	2022
Fujita M, Nakashima N, Wanibuchi S , Yamamoto Y, <u>Kojima H</u> , Ono A, Kasahara T	Assessment of commercial polymers with and without reactive groups using amino acid derivative reactivity assay based on both molar concentration approach and gravimetric approach	<i>J Appl Toxicol</i>	43(3)	446-457	2023

Uno K, <u>Miyajima K</u> , Ogawa S, Suzuki-Kemuriya ma N, Nakae D.	Effects of Siraitia grosvenorii extract on nonalcoholic steatohepatitis-like lesions in Sprague Dawley rats fed a choline-deficient, methionine-lowered, l-amino acid-defined diet	<i>J Toxicol Pathol</i>	36(1)	1-10	2023
Colacci A, Corvi R, <u>Ohmori K</u> , Paparella M, Serra S, Carrico IR, Vasseur P, Jacobs NM.	The Cell Transformation Assay: A Historical Assessment of Current Knowledge of Applications in an Integrated Approach to Testing and Assessment for Non-Genotoxic Carcinogens.	<i>Int. J. Mol. Sci.</i>	24(6)	5659	2023
<u>Matsushita K</u> , <u>Toyoda T</u> , Akane H, Morikawa T, <u>Ogawa K</u> .	A 13-week subchronic toxicity study of heme iron in SD rats	<i>Food Chem Toxicol.</i>	175	113702	2023
Ghosh A, Banik S, Suzuki Y, Mibe Y, Rikimura S, Komamoto T, Kuromi K, Yamada K, Sato H, <u>Onoue S</u> .	Lysophosphatidylcholin e-based liposome to improve oral absorption and nephroprotective effects of astaxanthin	<i>Journal of the Science of Food and Agriculture</i>	103(6)	2981-2988	2023
<u>Saito H</u> , Tanemura K, Furukawa Y, Sasaki T, Kanno J, Kitajima S.	Behavioral effects induced by the oral administration of acetamiprid in male mice during the postnatal lactation period or adulthood	<i>J Toxicol Sci.</i>	48(4)	203-210	2023
Sasaki T, <u>Saito H</u> , Furukawa Y, Tominaga T, Kitajima S, Kanno J, Tanemura K	Exposure to bisphenol A or its phenolic analogs during early life induces different types of anxiety-like behaviors after maturity in male mice	<i>J Toxicol Sci.</i>	48(4)	211-219	2023

Strupp C, Corvaro M, Cohen SM, Corton JC, <u>Ogawa K</u> , Richert L, Jacobs MN.	Increased cell proliferation as a key event in chemical carcinogenesis: Application in an integrated approach for the testing and assessment of non-genotoxic carcinogenesis.	<i>Int J Mol Sci.</i>	24	13246	2023
<u>Toyoda T</u> , Kobayashi T, Miyoshi N, <u>Matsushita K</u> , Akane H, Morikawa T, <u>Ogawa K</u> .	Mucosal damage and $\gamma$ -H2AX formation in the rat urinary bladder induced by aromatic amines with structures similar to o-toluidine and o-anisidine.	<i>Arch Toxicol.</i>	97	3197-3207	2023
<u>Toyoda T</u> , Sone M, <u>Matsushita K</u> , Akane H, Akagi J, Morikawa T, Mizuta Y, Cho YM, <u>Ogawa K</u> .	Early detection of hepatocarcinogens in rats by immunohistochemistry of $\gamma$ -H2AX.	<i>J Toxicol Sci.</i>	48	323-332	2023
Akagi J, Cho YM, <u>Toyoda T</u> , Mizuta Y, <u>Ogawa K</u> .	EpCAM and APN expression in combination with $\gamma$ -H2AX as biomarkers for detecting hepatocarcinogens in rats.	<i>Cancer Sci.</i>	114	4763-4769	2023
Akagi J, Mizuta Y, Akane H, <u>Toyoda T</u> , <u>Ogawa K</u> .	Oral toxicological study of titanium dioxide nanoparticles with a crystallite diameter of 6 nm in rats.	<i>Part Fibre Toxicol.</i>	20	13	2023

Cattley RC, Kromhout H, Sun M, Tokar EJ, Abdallah MA, Bauer AK, Broadwater KR, Campo L, Corsini E, Houck KA, Ichihara G, Matsumoto M, Morais S, Mráz J, Nomiya T, Ryan K, Shen H, <u>Toyoda T</u> , Vähäkangas K, Yakubovskaya MG, Yu IJ, DeBono NL, de Conti A, Ghissassi FE, Madia F, Mattock H, Pasqual E, Suonio E, Wedekind R, Benbrahim-Tallala L, Schubauer-Berigan MK.	Carcinogenicity of anthracene, 2-bromopropane, butyl methacrylate, and dimethyl hydrogen phosphite.	<i>Lancet Oncol.</i>	24	431-432	2023
Murata Y, Natsume M, Takako I, Shigeta Y, Hirose N, Umano T, <u>Horibata K</u> , Sugiyama KI, Masumura K, Hirose A, Matsumoto M.	In vivo mutagenicity assessment of styrene in MutaMouse liver and lung.	<i>Genes and Environment</i>	45	12	2023
Murata Y, Suzuki K, Shigeta Y, Iso T, Hirose N, Umano T, <u>Horibata K</u> , Sugiyama KI, Hirose A, Masumura K, Matsumoto M.	In vivo mutagenicity assessment of orally treated tert-butyl hydroperoxide in the liver and glandular stomach of MutaMouse.	<i>Genes and Environment</i>	45	29	2023

Kimura Y, Yasuno R, Iwaki T, Fujimura C, Ohmiya Y, Nakajima Y, Omori T, Corsini E, Inoue T, Rogen EL, <u>Kojima H</u> , Aiba S.	An international validation study of the interleukin-2 luciferase leukocyte toxicity test (IL-2 Luc LTT) to evaluate potential immunosuppressive chemicals and its performance after use with the interleukin-2 luciferase assay (IL-2 Luc assay)	<i>Toxicol In Vitro.</i>	88	105535	2023
Strickland J, Haugabrooks E, Allen DG, Balottin LB, <u>Hirabayashi Y</u> , Kleinstreuer NC, <u>Kojima H</u> , Nishizawa C, Prieto P, Ratzlaff DE, Jeong J, Lee J, Yang Y, Lin P, Sullivan K, Casey W.	International regulatory uses of acute systemic toxicity data and integration of new approach methodologies,	<i>Crit Rev Toxicol.</i>	53(7)	385-411	2023
Mizumachi H, Watanabe M, Ikezumi M, Kajiwara M, Yasuda M, Mizuno M, Imai N, Sakuma M, Shibata M, Watanabe S, Motoyama J, Basketter D, Eskes C, Hoffmann S, Lehmann D, <u>Ashikaga T</u> , Sozu T, Takeyoshi M, Suzuki S, Miyazawa M, <u>Kojima H</u> .	The inter-laboratory validation study of EpiSensA for predicting skin sensitization potential,	<i>J Appl Toxicol.</i>	44(4)	510-525	2023
Ueno K, Matsushita T, Sugihara M, Yamada K, Sato H, <u>Onoue S</u> .	Solid lipid nanoparticles of lutein with improved dissolution behavior and oral absorption.	<i>Pharmaceutical Development and Technology</i>	28	877	2023



Antara G, Sujan B, Yamada K, Misaka S, Prud'homme RK, Sato H, <u>Onoue S.</u>	Stabilized Astaxanthin Nanoparticles Developed Using Flash Nanoprecipitation to Improve Oral Bioavailability and Hepatoprotective Effects.	<i>Pharmaceutics</i>	15	2562	2023
Suzuki-Kemuriy ama N, Abe A, Nakane S, Yuki M, <u>Miyajima K.</u> <u>Nakae D.</u>	Nonalcoholic steatohepatitis-associate d hepatocarcinogenesis in mice fed a modified choline-deficient, methionine-lowered, L-amino acid-defined diet and the role of signal changes.	<i>PLoS One.</i>	18 (8)	e0287657	2023
<u>Saito H.</u> Yokota S, Kitajima S.	Immunohistochemical analysis of the vimentin filaments in Sertoli cells is a powerful tool for the prediction of spermatogenic dysfunction.	<i>Acta Histochem</i>	125 (5)	152046	2023
<u>Saito H.</u> Furukawa Y, Sasaki T, Kitajima S, Kanno J, Tanemura K.	Behavioral effects of adult male mice induced by low-level acetamiprid, imidacloprid, and nicotine exposure in early-life.	<i>Front Neurosci</i>	17	1239808	2023
Myden A, Stalford SA, Fowkes A, White E, Hirose A, <u>Yamada T.</u>	Enhancing developmental and reproductive toxicity knowledge: A new AOP stemming from glutathione depletion.	<i>Curr Res Toxicol.</i>	5	100124	2023
<u>小島肇夫,</u> <u>平林容子</u>	創薬開発に期待される New Approach Method の行政的な受け入れに ついて	<i>日薬理誌,</i>	158	269-272	2023
<u>小島肇夫</u>	動物実験代替法に関する 国際機関の動向	<i>医学のあゆみ</i>	285 (9)	777-780	2023
<u>足利太可雄</u>	化粧品・医薬部外品の 安全性評価代替法の現 状と将来	<i>フレグランス ジャーナル</i>	7	10-15	2023

<u>小島肇夫</u>	医薬部外品・化粧品の安全性評価に動物実験代替法の活用と推進を図るためのガイドランス	日皮協ジャーナル	46(1)	46-52	2023
山田隆志, 丸山(薦田)多恵子	化学物質のヒト健康影響評価に資するリードアクロス-行政リスク評価への適用を目指して	CICCSJ Bulletin	41(1)	6-10	2023
Ono R, Kuwagata M, Naruse M, Watanabe A, Takano M, Hasegawa T, Takashima H, Yoshioka Y, Ochiya T, <u>Hirabayashi Y</u> , Kitajima S.	Extracellular vesicle small RNAs secreted from mouse amniotic fluid induced by repeated oral administration of VPA to pregnant mice.	Fundam. Toxicol. Sci,	11(1)	37-56	2024
Nishikawa A, Nagano K, <u>Kojima H</u> , Fukushima S, <u>Ogawa K</u> .	A critical review of the pathogenesis of nasal cavity tumors induced in rodents.	J Toxicol Pathol.	37(1)	11-27	2024
<u>Matsushita K</u> , <u>Toyoda T</u> , Akane H, Morikawa T, <u>Ogawa K</u> .	CD44 expression in renal tubular epithelial cells in the kidneys of rats with cyclosporine-induced chronic kidney disease.	J Toxicol Pathol.	37(2)	55-67	2024
<u>Matsushita K</u> , <u>Toyoda T</u> , Akane H, Morikawa T, <u>Ogawa K</u> .	Role of CD44 expressed in renal tubules during maladaptive repair in renal fibrogenesis in an allopurinol-induced rat model of chronic kidney disease.	J Appl Toxicol.	44(3)	455-469	2024
Iso T, Suzuki K, Murata Y, Hirose N, Umamo T, <u>Horibata K</u> , Sugiyama KI, Hirose A, Masumura K, Matsumoto M.	Lack of in vivo mutagenicity of carbendazim in the liver and glandular stomach of MutaMice.	Genes and Environment	46	7	2024

Beal MA, Chen G, Dearfield KL, Gi M, Gollapudi B, Heflich RH, <u>Horibata K</u> , Long AS, Lovell D, Parsons BL, Pfuhrer SP, Wills J, Zeller A, Johnson G, White PA.	Interpretation of In Vitro Concentration-Response Data for Risk Assessment and Regulatory Decision-making: Report from 2022 IWGT Quantitative Analysis Expert Working Group Meeting.	<i>Environmental and Molecular Mutagenesis</i>	Version of Record online: 01 February 2024		2024
Sun Y, Saito K, Ushiki A, Abe M, Saito Y, Kashiwada T, Horimasu Y, Gemma A, Tatsumi K, Hattori N, Tsushima K, Takemoto K, Ishikawa R, Momiyama T, Matsuyama S, Arakawa N, Akane H, <u>Toyoda T</u> , Ogawa K, Sato M, Takamatsu K, Mori K, Nishiya T, Izumi T, Ohno Y, Saito Y, Hanaoka M.	Identification of kynurenine and quinolinic acid as promising serum biomarkers for drug-induced interstitial lung diseases.	<i>Respir Res</i>	25	31	2024
<u>齊藤洋克</u>	農薬等の化学物質曝 露によって生じる情 動認知行動毒性	<i>Jpn J Clin Toxicol</i>	37	70-75	2024
<u>齊藤洋克</u> 、 北嶋 聡	化学物質を発生-発達 期に曝露した際の情 動認知行動影響検出	<i>化学物質と環 境：化学物質 と環境との調 和をめざす情 報誌</i>	184	3-6	2024

Parsons BL, Beal MA, Dearfield KL, Douglas GR, Gi M, Gollapudi B, Heflich RH, <u>Horibata K</u> , Kenyon M, Long AS, Lovell D, Lynch AM, Myers MB, Pfuhrer S, Vespa A, Zeller A, Johnson G, White PA.	Severity of Effect Considerations Regarding the Use of Mutation as a Toxicological Endpoint for Risk Assessment: A Report from the 8th International Workshop on Genotoxicity Testing (IWGT).	<i>Environmental and Molecular Mutagenesis</i>			(in press)
Akane H, <u>Toyoda T</u> , Matsushita K, Morikawa T, Kosaka T, Tajima H.	Aoyama H, Ogawa K. Comparison of the sensitivity of histopathological and immunohistochemical analyses and blood hormone levels for early detection of antithyroid effects in rats treated with thyroid peroxidase inhibitors.	<i>J Appl Toxicol</i>			(in press)