

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
関根碧水、 溝口 出、 片平泰弘、 長谷川英哲、 渡邊有麻、 <u>善本隆之</u>	ヒト免疫反応を in vitroで再現す る細胞培養系の 開発	小島 肇	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	226-238

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
Nishida M, Otsuka K, Nagao R, Matsuzawa S, Ushio A, Tsunematsu T, Aota K, <u>Ishimaru N</u>	Tissue-Specific Expansion of Age- Associated B Cells via IFN- γ and IL-21 Within Salivary Glands in Sjögren Disease	<i>J Immunol Res</i>		4221251	2026
Matsuzawa S, Ushio A, Otsuka K, Nagao R, Tsunematsu T, Moriyama M, <u>Ishimaru N.</u>	Neonatal Thymic Dynamics Influence Autoimmune Pathology by Shaping the Suppressive Potential of Regulatory T Cells	<i>Am J Pathol</i>	196	920-933	2026
Ishigamori R, <u>Ohno A</u> , Fukuhara K, Hasegawa S, Totsuka Y	Genotoxicity assessment of mesoporous silica and graphene oxide in GDL1 cells	<i>Genes Environ.</i>	48	2	2026
Atobe T, Chawapun S, Hatakeyama Y, Oeda S, Ohtake T, <u>Ashikaga T</u> , Kouzuki H, Hirota M, Tamura A.	Optimisation of Photo- KeratinoSens™ for in vitro photoallergenicity assessment	<i>J Toxicol. Sci</i>	50(8)	399-412	2025

Nagao R, Otsuka K, Matsuzawa S, Ushio A, Tsunematsu T, <u>Ishimaru N.</u>	Differential chemokine profiles between lacrimal and salivary glands in a murine model of primary Sjögren disease	<i>Cytokine</i>	196	157023	2025
Otsuka K, Ushio A, Nagao R, Matsuzawa S, Arakaki R, Fukuta K, Mouri Y, Tsunematsu T, <u>Ishimaru N.</u>	Regulatory Role of FGL-1 in Inter-Organ Communication by Controlling T Cell Homeostasis during the Onset of Sjögren Disease	<i>Arthritis Rheumatol.</i>	77(11)	1573-1584	2025
Kobayashi H, Fukuhara K, <u>Ohno A</u> , Hirao Y, Katoh H, Mori Y, Kawanishi S, Murata M, Oikawa S.	The Chinese herb component salvianolic acid B induces copper-mediated reactive oxygen species generation and oxidative DNA damage	<i>Genes Environ.</i>	47(1)	20	2025
<u>足利太可雄</u>	動物実験代替法の標準化とJaCVAMの役割	<i>Drug Delivery System</i>	40(4)	297-303	2025
<u>高橋祐次</u>	CNTの医療への応用 -非臨床試験における生体電位測定-	<i>Nanofiber</i>	41-45	16 (1,2,3,4)	2025
Fukuhara K, Obama T, Ohinata H, Takaki T, Kato M, Ishigamori R, Totsuka Y, Itabe H, <u>Ohno A</u>	Evaluation of graphene oxide-mediated NET formation using HL-60-derived neutrophil-like cells	<i>Preprint at bioRxiv</i>			2025
Shikama Y, Otsuka K, Furukawa M, <u>Ishimaru N</u> , Matsushita K	Involvement of metformin and aging in salivary expression of ACE2 and TMPRSS2	<i>BioFactor</i>	51(1)	e2154	2025
Ushio A, <u>Ishimaru N</u>	Molecular Pathogenesis via Sex Hormone in Sjögren's Syndrome	<i>J Stomatol Soc Jpn.</i>	92(1)	1-6	2025

Kasahara T, Yamamoto Y, Nakashima N, Imamura M, Mizumachi H, Suzuki S, Aiba S, Kimura Y, <u>Ashikaga T</u> , Kojima H, Ono A, Matsumoto K	Borderline Range Determined Using Data From Validation Study of Alternative Methods for Skin Sensitization: ADRA, IL-8 Luc Assay, and EpiSensA	<i>Journal of Applied Toxicology</i>	45(3)	432-439	2025
Tsunematsu T, Mouri Y, Shao W, Arakaki R, Ruppert JG, Murano K, <u>Ishimaru N</u> , Guardavaccaro D, Pagano M,	Sustained chromosomal passenger complex activity preserves the pluripotency of human embryonic carcinoma cells.	<i>Sci Signal</i>	18	eadg4626	2024
Nishida A, Sawada Y, Arai R, Ishibashi N, Suzuo M, <u>Ohno A</u> , <u>Ashikaga T</u> , <u>Iijima K</u>	Evaluation of the immunotoxicity potential of nanomaterials using THP-1 cells	<i>Front. Toxicol.</i>	6		2024
<u>Ashikaga T</u> , Hatano K, Iwasa H Kinoshita K, Nakamura N, Ambe K, Tohkin M	Next Generation Risk Assessment Case Study: A Skin Sensitization Quantitative Risk Assessment for Bandrowski's Base Existing in Hair Color Formulations	<i>J. Cos. Sci. Soc</i>	48(2)	73-77	2024

Mathisen GH, Bearth A, Jones LB, Hoffmann S, Vist GE, Ames HM, Husøy T, Svendsen C, Tsaoun K, <u>Ashikaga T</u> , Bloch D, Cavoski A, Chiu WA, Davies HG, Giusti A, Hartung T, Hirabayashi Y, Hogberg HT, Joglekar R, Kojima H, Krishnan K, Kwon S, Osborne OJ, Roggen E, Rooney AA, Rousselle C, Sass JB, Sepai O, Simanainen U, Thayer KA, Tong W, Wikoff D, Wright F, Whaley P	Time for CHANGE: system-level interventions for bringing forward the date of effective use of NAMs in regulatory toxicology	<i>Arch Toxicol</i>	98	2299–2308	2024
<u>Taquahashi Y</u> , Aisaki K (Co-first author), Morita K, Suga K, Kitajima S	Application of the Matrix Profile Algorithm for Detecting Abnormalities in Rat Electrocardiograms	<i>Fundam. Toxicol. Sci.</i>	11(6)	289-296	2024
Kuwagata M, Doi Y, Saito H, Tsurumoto M, Igarashi T, Nishimura T, <u>Taquahashi Y</u> , Hirabayashi Y, Kitajima S	A 90-day repeated oral dose toxicity study of p-cymene in rats	<i>Fundam. Toxicol. Sci.</i>	11(4)	169-181	2024
平林容子, <u>足利太可雄</u> , 小島肇夫	非臨床安全性評価に用いられる非ヒト霊長類の供給不足をめぐる動き	医薬品医療機器レギュラトリーサイエンス	55(3)	195-197	2024

<u>足利太可雄</u>	化粧品開発における動物を用いない皮膚感作性評価法開発の現状	<i>SSCI-Net News Letter</i>	6	3-6	2024
<u>足利太可雄</u> , <u>大野彰子</u> , <u>小島肇夫</u> , <u>平林容子</u>	日本動物実験代替法評価センター (JaCVAM) 令和4~6年報告書	<i>AATEX-JaCVAM</i>	12(1)	35-41	2024
Ushio A, Otsuka K, Tsunematsu T, <u>Ishimaru N.</u>	Therapeutic Strategy Based on the Pathogenesis for Sjögren's Syndrome	<i>J Oral Health Biosci</i>	37(1)	1-5	2024
Nakamura K, Tsukasaki M, Tsunematsu T, Yan M, Ando Y, Huynh NCN, Hashimoto K, Gou Q, Muro R, Itabashi A, Iguchi T, Okamoto K, Nakamura T, Nakano K, Okamura T, Ueno T, Ito K, <u>Ishimaru N.</u> , Hoshi K, Takayanagi H	The periosteum provides a stromal defence against cancer invasion into the bone	<i>Nature</i>	1634 (8033)	474-481	2024
Kobayashi D, Denda M, Hayashi J, Hidaka K, Hohmura Y, Tsunematsu T, Nishino K, Yoshikawa H, Ohkawachi K, Nigorikawa K, Yoshimura T, <u>Ishimaru N.</u> , Nomura W, Katagiri T, Kosako H, Otaka A	Sulfoxide-Mediated Cys-Trp-Selective Bioconjugation that Enables Protein Labeling and Peptide Heterodimerization	<i>Chem Eur</i>	2(3-4)	e202400014	2024

Yamada A, Watanabe A, Nara A, <u>Ishimaru N</u> , Maeda K, Ido Y, Kotake K, Asano M, Shinohara Y, Yamamoto T	Longitudinal Analysis of Mitochondrial Function in a Choline-Deficient L-Amino Acid- Defined High-Fat Diet-Induced Metabolic Dysfunction- Associated Steatohepatitis Mouse Model	<i>Int J Mol Sci</i>	25	6193.	2024
Aota K, Kani K, Ono S, Naniwa K, Momota Y, Fukui M, <u>Ishimaru N</u> , Azuma M	Activation of Janus kinase 2 contributes to the autoimmune pathology in the salivary glands of patients with Sjögren's syndrome	<i>Oral Sci Int.</i>	21(3)	415-424	2024
Ushio A, Matsuda- Lennikov M, Kalle- Youngoue F, Shimizu A, Abdelmaksoud A, Kelly MC, <u>Ishimaru N</u> , Takahama Y.	Functionally diverse thymic medullary epithelial cells interplay to direct central tolerance	<i>Cell Rep</i>	43	114072	2024
大塚邦紘, 石丸直澄	Sjögren症候群の病 理	皮膚病診療	788-79	46(9)	2024
Tawara H, Tsunematsu T, Kitajima S, Nagao R, Matsuzawa S, Otsuka K, Ushio A, <u>Ishimaru N</u> .	The non-canonical function of borealin, a component of chromosome passenger complex, promotes glycolysis via stabilization of survivin in squamous cell carcinoma cells.	<i>Biochem Biophys</i>	706	149741	2024
Tanabe I, Yoshida K, Ishikawa S, Ishimori K, Hashizume T, <u>Yoshimoto T</u> , <u>Ashikaga T</u>	Development of an In Vitro Sensitisation Test Using a Coculture System of Human Bronchial Epithelium and Immune Cells.	<i>Altern Lab Anim.</i>	51(6)	387-400	2023

Mizoguchi I, Katahira Y, Inoue S, Sakamoto E, Watanabe A, Furusaka Y, Irie A, Senju S, Nishimura Y, Mizukami S, Hirayama K, Nakamura S, Eto K, Hasegawa H, <u>Yoshimoto T.</u>	A novel coculture system for assessing respiratory sensitizing potential by IL-4 in T cells.	<i>ALTEX.</i>	40(2)	204-216	2023
Sakamoto E, Katahira Y, Watanabe A, Furusaka Y, Sekine A, Yamagishi M, Sonoda J, Miyakawa S, Inoue S, Hasegawa H, Yo K, Yamaji F, Toyoda T, Mizoguchi I, <u>Yoshimoto T.</u>	Chemical- and Drug-Induced Allergic, Inflammatory, and Autoimmune Diseases via Haptenation.	<i>Biology (Basel).</i>	12(1)	123	2023
Shimizu M, Hojo M, Ikushima K, Yamamoto Y, Maeno A, Sakamoto Y, <u>Ishimaru N.</u> Taquahashi Y, Kanno J, Hirose A, Suzuki J, Inomata A, Nakae D.	Continuous infiltration of small peritoneal macrophages in the mouse peritoneum through CCR2-dependent and -independent routes during fibrosis and mesothelioma development induced by a multiwalled carbon nanotube,	<i>J Toxicol Sci.</i>	12	617-639	2023

Jin S, Tsunematsu T, Horiguchi T, Mouri Y, Shao W, Miyoshi K, Mizusawa N, Hagita H, Sarubo M, Yoshida K, Yoshida K, Fujiwara N, Kitajima S, Ozaki K, Qi G, <u>Ishimaru N</u> , Kudo Y.	Involvement of the PTUB1-YAP1 axis in driving malignant behaviors in head and neck squamous cell carcinoma.	<i>Cancer Med.</i>	12(24)	22156- 22169	2023
Sugimoto A, Iwata K, Kurogoshi R, Tanaka M, Nakashima Y, Yamakawa Y, Oishi A, Yoshizaki K, Fukumoto S, Yamamoto A, <u>Ishimaru N</u> , Iwamoto T.	C-terminus of PIRZO1 governs Ca ²⁺ influx and intracellular ERK1/2 signaling pathway in mechanotransduction.	<i>Biochem Biophys Res Commun.</i>	682	39-45	2023
<u>Ishimaru N</u> , Otsuka K, Tsunematsu T, Taquahashi Y, Kanno J.	Chronic Immunotoxicity of Multi-Walled Carbon Nanotubes on Macrophages via MMP-12.	<i>Annals of Work Exposures and Health</i>	67 (Sup 1)	i74	2023
Sato-Fukuba M, Arakaki R, Ushio A, Otsuka K, Nagao R, Matsuzawa S, Tawara H, Tsunematsu T, <u>Ishimaru N</u> .	CD4 ⁺ T-cell-dependent differentiation of CD23 ⁺ follicular B cells contributes to the pulmonary pathology in a primary Sjögren's syndrome mouse model.	<i>Front Immunol.</i>	14	1217492	2023

Narwidina A, Miyazaki A, Iwata K, Kurogoushi R, Sugimoto A, Kudo Y, Kawarabayashi K, Yamakawa Y, Akazawa Y, Kitamura T, Nakagawa H, Yamaguchi- Ueda K, Hasegawa T, Yoshizaki K, Fukumoto S, Yamamoto A, <u>Ishimaru N</u> , Iwasaki T, Iwamoto T.	Iroquois homeobox 3 regulates odontoblast proliferation and differentiation mediated by Wnt5a expression.	<i>Biochem Biophys Res Commun.</i>	650	47-54	2023
Shao W, Tsunematsu T, Umeda M, Tawara H, Fujiwara N, Mouri Y, Arakaki R, <u>Ishimaru N</u> , Kudo Y.	Cancer cell-derived novel periostin isoform promotes invasion in head and neck squamous cell carcinoma.	<i>Cancer Med.</i>	12	8510- 8525	2023
Miyauchi A, Akashi T, Yokota S, <u>Taquahashi Y</u> , Hirose A, Hojo M, Yoshida H, Kurokawa M, <u>Watanabe W</u>	Effects of inhalation of multi-walled carbon nanotube (MWCNT) on respiratory syncytial virus (RSV) infection in mice.	<i>J. Toxicol. Sci.</i>	48	411-420	2023
Hojo M, Maeno A, Sakamoto Y, Yamamoto Y, <u>Taquahashi Y</u> , Hirose A, Suzuki J, Akiko Inomata A, Dai Nakae D	Time-Course of Transcriptomic Change in the Lungs of F344 Rats Repeatedly Exposed to a Multiwalled Carbon Nanotube in a 2-Year Test.	<i>Nanomaterials (Basel).</i>	13(14)	2105	2023

Shimizu M, Hojo M, Ikushima K, Yamamoto Y, Maeno A, Sakamoto Y, Ishimaru N, <u>Taquahashi Y</u> , Kanno J, Hirose A, Suzuki J, Inomata A, Nakae D.	Continuous infiltration of small peritoneal macrophages in the mouse peritoneum through CCR2- dependent and - independent routes during fibrosis and mesothelioma development induced by a multiwalled carbon nanotube, <i>TOXICOLOGY</i>	<i>J Toxicol Sci</i>	48(12)	617-639	2023
Yokota S, Miyaso H, Hirai T, Suga K, Wakayama T, <u>Taquahashi Y</u> , Kitajima S.	Development of a non- invasive method for testicular toxicity evaluation using a novel compact magnetic resonance imaging system.	<i>J Toxicol Sci.</i>	48(2)	57-64	2023
Kuwagata M, Tsuboi M, Igarashi T, Tsurumoto M, Nishimura T, <u>Taquahashi Y</u> , Kitajima S.	A 90-day repeated oral dose toxicity study of 2- Butylbenzo[d]isothiaz- ol-3(2H)-one in rats.	<i>Fundam. Toxicol. Sci.</i>	10	69-82	2023
Kuwagata M, Tsuboi M, Igarashi T, Tsurumoto M, Nishimura T, <u>Taquahashi Y</u> , Kitajima S.	A 90-day dose toxicity study of 2-(2H- benzotriazol-2-yl)-6- dodecyl-4- methylphenol in rats.	<i>Fundam. Toxicol. Sci.</i>	10	59-68	2023
<u>石丸直澄</u>	シェーグレン症候群 疾患モデルからのト ランスレーショナル 研究.	炎症と免疫	31(3)	35-39	2023
<u>石丸直澄</u>	臓器間ネットワーク と自己免疫疾患.	臨床免疫・ アレルギー 科	80(3)	311-316	2023
<u>大野彰子</u>	ナノマテリアルの概 要	ファルマシア	59(7)	629-633	2023