

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
菅野純、 相崎健一、 北嶋聡	遺伝子発現を指標 とした毒性評価・ 予測	青木康展、 青山博昭	化学物質の複合影響 と健康リスク評価	医歯薬出版	東京	2024	67
Mohammad Golam Sohrab, Khoa N.A. Duong, Ikeda Masami, Goran Topić, Yayoi Natsume- Kitatani, Masakata Kuroda, Mari Nogami Itoh, Hiroya Takamura	BiomedCurator: Data Curation for Biomedical Literature	Maria Liakata, Wray Buntine	Proceedings of the 2 nd Conference of the Asia-Pacific Chapter of the Association for Computational Linguistics and the 12th International Joint Conference on Natural Language Processing: System Demonstrations	Association for Computational L inguistics	Stroudsburg, USA	2022	63-71
夏目やよい、水口賢 司	第2節「生命情報 科学からのAI創 薬」	小長谷 明 彦	革新的AI創薬 ～医 療ビッグデータ、人工 知能をもたらす創薬 研究の未来像～	(株)エヌ・ ティー・エ ス	東京	2022	15-22
夏目やよ い	第3章 第1節 「新薬創出を加速 する人工知能の開 発 -臨床情報を活 用した創薬標的探 索」	小長谷 明 彦	革新的AI創薬 ～医 療ビッグデータ、人工 知能をもたらす創薬 研究の未来像～	(株)エヌ・ ティー・エ ス	東京	2022	107-112
上田修功、 夏目やよ い	第5章 第3節 「サブセット・パ インディングによ る患者層別化AIの 開発」	小長谷 明 彦	革新的AI創薬 ～医 療ビッグデータ、人工 知能をもたらす創薬 研究の未来像～	(株)エヌ・ ティー・エ ス	東京	2022	235-244

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>Takeshi Hase</u> , Samik Ghosh, <u>Ken-ichi Aisaki</u> , <u>Satoshi Kitajima</u> , <u>Jun Kanno</u> , <u>Hiroaki Kitano</u> , Ayako Yachie	DTox: A Deep neural network-based in visio lens for large scale Toxicogenomics data.	J. Toxicol. Sci.	49	105-115	2024
Yu Takahashi, Ryota Wakabayashi, <u>Satoshi Kitajima</u> , Hideho Uchiyama	Epichordal vertebral column formation in <i>Xenopus laevis</i> .	J Morphol	285	e21664	2024
五十嵐智女、西村拓也、 <u>北嶋聡</u>	細胞培養食品に係る開発や諸外国の衛生規制に関する最近の動向	月刊「食品衛生研究」	73	-	2023
Satoshi Yokota, Tomohiko Wakayama, Hidenobu Miyaso, Kousuke Suga, Masakatsu Fujinoki, Satoru Kaneko, <u>Satoshi Kitajima</u>	Reactive Blue 2 Labels Protamine in Late-Haploid Spermatis and Spermatozoa and Can Be Used for Toxicity Evaluation.	Andrologia	2023	7364862	2023
Jing Pu, Satoshi Kofuji, Yoshimi Okamoto-Uchida, Keiko Danzaki, Ruoxing Yu, Akira Suzuki, <u>Satoshi Kitajima</u> , Hiroshi Nishina	Lethal Phenotype-Based Database Screening Identifies Ceramide as a Negative Regulator of Primitive Streak Formation.	Stem Cells,	41	1142-1156	2023
Hirokatsu Saito, Yusuke Furukawa, Takahiro Sasaki, <u>Satoshi Kitajima</u> , <u>Jun Kanno</u> , Kentaro Tanemura	Behavioral effects of adult male mice induced by low-level acetamiprid, imidacloprid, and nicotine exposure in early-life.	Front. Neurosci.	17	1239808	2023
Hirokatsu Saito, Satoshi Yokota, <u>Satoshi Kitajima</u>	Immunohistochemical analysis of the vimentin filaments in Sertoli cells is a powerful tool for the prediction of spermatogenic dysfunction.	Acta Histochem.	125	152046	2023

Hirokatsu Saito*, Kentaro Tanemura*, Yusuke Furukawa, Takahiro Sasaki, <u>Jun Kanno</u> , <u>Satoshi Kitajima</u> (*co-first author)	Behavioral effects induced by the oral administration of acetamiprid in male mice during the postnatal lactation period or adulthood.	J Toxicol Sci.	48	203-210	2023
Makiko Kuwagata, Masaru Tsuboi, Toshime Igarashi, Mariko Tsurumoto, Takuya Nishimura, Yuhji Taquahashi, <u>Satoshi Kitajima</u>	A 90-day repeated oral dose toxicity study of 2-Butylbenzo[d]isothiazol-3(2H)-one in rats	Fundam. Toxicol. Sci.	10	69-82	2023
Makiko Kuwagata, Masaru Tsuboi, Toshime Igarashi, Mariko Tsurumoto, Takuya Nishimura, Yuhji Taquahashi, <u>Satoshi Kitajima</u>	A 90-day dose toxicity study of 2-(2H-benzotriazol-2-yl)-6-dodecyl-4-methylphenol in rats	Fundam. Toxicol. Sci.	10	59-68	2023
Takahiro Sasaki*, Hirokatsu Saito*, Yusuke Furukawa, Takashi Tominaga, <u>Satoshi Kitajima</u> , <u>Jun Kanno</u> , Kentaro Tanemura (*co-first author)	Exposure to bisphenol A or its phenolic analogs during early life induces different types of anxiety-like behaviors after maturity in male mice.	J Toxicol Sci.	48	211-219	2023
Satoshi Yokota, Hidenobu Miyaso, Toshinori Hirai, Kousuke Suga, Tomohiko Wakayama, Yuhji Taquahashi, <u>Satoshi Kitajima</u>	Development of a non-invasive method for testicular toxicity evaluation using a novel compact magnetic resonance imaging system.	J Toxicol Sci.	48	57-64	2023
齊藤洋克、 <u>北嶋 聡</u>	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, 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	184	3-6	2024

<p>Ryuichi Ono, Makiko Kuwagata, Mie Naruse, Akihito Watanabe, Masao Takano, Takuro Hasegawa, Hiromasa Takashima, Yusuke Yoshioka, Takahiro Ochiya, Yoko Hirabayashi, <u>Satoshi Kitajima</u></p>	<p>Extracellular vesicle small RNAs secreted from mouse amniotic fluid induced by repeated oral administration of VPA to pregnant mice.</p>	<p>Fundam. Toxicol. Sci.</p>	<p>11</p>	<p>37-56</p>	<p>2024</p>
<p>Zahm S, Bonde JP, Chiu WA, Hoppin J, <u>Kanno J</u>, Abdallah M, Blystone CR, Calkins MM, Dong GH, Dorman DC, Fry R, Guo H, Haug LS, Hofmann JN, Iwasaki M, Machala M, Mancini FR, Maria-Engler SS, Møller P, Ng JC, Pallardy M, Post GB, Salihovic S, Schlezinger J, Soshilov A, Steenland K, Steffensen IL, Tryndyak V, White A, Woskie S, Fletcher T, Ahmadi A, Ahmadi N, Benbrahim-Tallaa L, Bijoux W, Chittiboyina S, de Conti A, Facchin C, Madia F, Mattock H, Merdas M, Pasqual E, Suonio E, Viegas S, Zupunski L, Wedekind R, Schubauer-Berigan MK.</p>	<p>Carcinogenicity of perfluorooctanoic acid and perfluorooctanesulfonic acid.</p>	<p>Lancet Oncol</p>	<p>25</p>	<p>16-17</p>	<p>2024</p>
<p>Kishi M, Hayashi T, Mitani K, Tsuboshima K, Kurihara M, Hosoya M, Sekimoto Y, Okura MK, Mitsuishi Y, Okada Y, <u>Kanno J</u>, Yao T, Takahashi K, Seyama K.</p>	<p>Clinicopathological Impacts of Expression of Neuronal Markers in Lymphangioliomyomatosis.</p>	<p>Am J Surg Pathol.</p>	<p>47</p>	<p>1252-1260</p>	<p>2023</p>

Motomu Shimizu, Motoki Hojo, Kiyomi Ikushima, Yukio Yamamoto, Ai Maeno, Yoshimitsu Sakamoto, Naozumi Ishimaru, Yuhji Taquahashi, <u>Jun Kanno</u> , Akihiko Hirose, Jin Suzuki, Akiko Inomata, Dai Nakae.	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, MWNT-7.	J Toxicol Sci.	48	617-639	2023
González-Pech RA, Li VY, García V, Boville E, Mammone M, <u>Kitano H</u> , Ritchie KB, Medina M.	The Evolution, Assembly, and Dynamics of Marine Holobionts.	Ann Rev Mar Sci.	16	443-466	2024
Mori T, Takase T, Lan KC, Yamane J, Alev C, Kimura A, Osafune K, Yamashita JK, Akutsu T, <u>Kitano H</u> , Fujibuchi W.	eSPRESSO: topological clustering of single-cell transcriptomics data to reveal informative genes for spatio-temporal architectures of cells.	BMC Bioinformatics.	24	252	2023
Tomoto, M., Mineharu, Y., Sato, N., Tamada, Y., Nogami-Itoh, M., Kuroda, M., Adachi, J., Takeda, Y., Mizuguchi, K., Kumanogoh, A., <u>Natsume-Kitatani, Y.</u> , Okuno, Y.	Idiopathic pulmonary fibrosis-specific Bayesian network integrating extracellular vesicle proteome and clinical information	Sci Rep	14	1315	2024
Kozawa, S., Tejima, K., Takagi, S., Kuroda, M., Nogami-Itoh, M., Kitamura, H., ... <u>Natsume-Kitatani, Y.</u> & Sato, T. N.	Latent inter-organ mechanism of idiopathic pulmonary fibrosis unveiled by a generative computational approach.	Sci Rep	13	21981	2023
Kawashima, H., Watanabe, R., Esaki, T., Kuroda, M., Nagao, C., <u>Natsume-Kitatani, Y.</u> , ... & Mizuguchi, K.	DruMAP: A novel drug metabolism and pharmacokinetics analysis platform.	J Med Chem	66	9697-9709	2023

Sohrab, M. G., Duong, K., Topić, G., Ikeda, M., Nagano, N., <u>Natsume-Kitatani, Y.</u> , ... & Takamura, H.	Disease Network Constructor: a Pathway Extraction and Visualization.	In Proceedings of the 61st Annual Meeting of the Association for Computational Linguistics	3	549-557	2023
Takaaki Tsunematsu, Rieko Arakaki, Mami Sato, Masako Saito, Kunihiko Otsuka, Yusuke Furukawa, Yuhji Taquahashi, <u>Jun Kanno</u> , Naozumi Ishimaru	Exposure to Multiwall Carbon Nanotubes Promotes Fibrous Proliferation by Production of Matrix Metalloproteinase-12 via NF-κB Activation in Chronic Peritonitis.	Am J Pathol.	192	1559-1572	2022
Seiya Kanno, Yusuke Okubo, Tatsuto Kageyama, Lei Yan, <u>Satoshi Kitajima</u> , Junji Fukuda	Establishment of a Developmental Toxicity Assay based on Human iPSC Reporter to Detect Fibroblast Growth Factor Signal Disruption.	iScience.	25	103770	2022
<u>相崎 健一</u> , <u>小野 竜二</u> , <u>菅野 純</u> , <u>北嶋 聡</u>	Percellomeプロジェクト～トランスクリプトミクスとエピジェネティクスによる毒性分子機序の探求～	日本薬理学雑誌	157	200-206	2022
Yuhji Taquahashi, Shuji Tsuruoka, Koichi Morita, Masaki Tsuji, Kousuke Suga, <u>Ken-ich Aisaki</u> , <u>Satoshi Kitajima</u>	A novel high-purity carbon-nanotube yarn electrode used to obtain biopotential measurements in small animals: flexible, wearable, less invasive, and gel-free operation.	Fundam. Toxicol. Sci.	9	17-21	2022
Dina Mourad Saleh, Shengyong Luo, Omnia Hosny Mohamed Ahmed, David B. Alexander, William T. Alexander, Sivagami Gunasekaran, Ahmed M. El-Gazzar, Mohamed Abdelgied, Takamasa Numano, Hiroshi Takase, Makoto Ohnishi, Susumu Tomono, Randa Hussein Abd el Hady, Katsumi Fukamachi, <u>Jun Kanno</u> , Akihiko Hirose, Jiegou Xu, Shugo Suzuki, Aya Naiki-Ito, Satoru Takahashi and Hiroyuki Tsuda	Assessment of the toxicity and carcinogenicity of double-walled carbon nanotubes in the rat lung after intratracheal instillation: a two-year study.	Part Fibre Toxicol.	19	30	2022

Motoki Hojo, Ai Maeno, Yoshimitsu Sakamoto, Aya Ohnuki, Yukie Tada, Yukio Yamamoto, Kiyomi Ikushima, Ryota Inaba, Jin Suzuki, Yuhji Taquahashi, Satoshi Yokota, Norihiro Kobayashi, Makoto Ohnishi, Yuko Goto, Takamasa Numano, Hiroyuki Tsuda, David B. Alexander, <u>Jun Kanno</u> , Akihiko Hirose, Akiko Inomata and Dai Nakae	Two-year intermittent exposure of a multiwalled carbon nanotube by intratracheal instillation induces lung tumors and pleural mesotheliomas in F344 rats.	Part Fibre Toxicol.	19	38	2022
Shihori Tanabe, Sabina Quader, <u>Ryuichi Ono</u> , Horacio Cabral, Kazuhiko Aoyagi, Akihiko Hirose, Hiroshi Yokozaki, Hiroki Sasaki	Molecular network analysis of RNA viral infection pathway in diffuse- and intestinal-type gastric cancer	Fundam. Toxicol. Sci.	9	37-46	2022
Shihori Tanabe, Sabina Quader, <u>Ryuichi Ono</u> , Horacio Cabral, Kazuhiko Aoyagi, Akihiko Hirose, Edward J. Perkins, Hiroshi Yokozaki and Hiroki Sasaki	Regulation of Epithelial–Mesenchymal Transition Pathway and Artificial Intelligence-Based Modeling for Pathway Activity Prediction	Onco	3	13-25	2023
<u>Natalia Polouliakh</u> , <u>Takeshi Hase</u> , Samik Ghosh, <u>Hiroaki Kitano</u>	Toxicity Analysis of Pentachlorophenol Data with a Bioinformatics Tool Set.	Methods Mol Biol.	2486	105-125	2022
Reiko Watanabe, Toshio Kawata, Shinya Ueda, Takumi Shinbo, Mitsuo Higashimori, <u>Yayoi Natsume-Kitatani</u> and Kenji Mizuguchi	Prediction of the Contribution Ratio of a Target Metabolic Enzyme to Clearance from Chemical Structure Information.	Molecular Pharmaceutics.	20	419-426	2022
Michiru Otaki, Nozomi Hirane, <u>Yayoi Natsume-Kitatani</u> , Mari Nogami Itoh, Masanori Shindo, Yoichi Kurebayashi and Shin-Ichiro Nishimura	Mouse tissue glycome atlas 2022 highlights inter-organ variation in major N-glycan profiles.	Scientific reports	12	17804	2022

Koji Hosomi, Mayu Saito, Jonguk Park, Haruka Murakami, Naoko Shibata, Masahiro Ando, Takahiro Nagatake, Kana Konishi, Harumi Ohno, Kumpei Tanisawa, Attayeb Mohsen, Yi-An Chen, Hitoshi Kawashima, <u>Yayoi Natsume-Kitatani</u> , Y oshimasa Oka, Hidenori Shimizu, Mari Furuta, Yoko Tojima, Kento Sawane, Azusa Saika, Saki Kondo, Yasunori Yonejima, Haruko Takeyama, Akira Matsutani, Kenji Mizuguchi, Motohiko Miyachi and Jun Kunisawa	Oral administration of <i>Blautia wexlerae</i> ameliorates obesity and type 2 diabetes via metabolic remodeling of the gut microbiota. Nature Communications	Nature Communications	13	4477	2022
Kou Hioki, Tomoya Hayashi, <u>Yayoi Natsume-Kitatani</u> , Kouji Kobiyama, Burcu Temizoz, Hideo Negishi, Hitomi Kawakami, Hiroyuki Fuchino, Etsushi Kuroda, Cevayir Coban, Nobuo Kawahara and Ken J. Ishii	Machine Learning-Assisted Screening of Herbal Medicine Extracts as Vaccine Adjuvants.	Front. Immunol.	13	847616	2022
ロドルフォ セバスチアン アジェンデス オソリオ、 <u>夏目 やよい</u>	機械学習を用いたアジュバント開発の新潮流	月刊ファインケミカル	51	12	2022
中村 恵宣、北村 英也、小倉 高志、 <u>夏目 やよい</u> 、水口賢司	官民研究開発投資拡大プログラム (PRISM) で構築する特発性肺線維症に対する創薬標的探索プラットフォームについて	MEDCHEM NEWS	32	119-123	2022
Kuwagata, M., Hasegawa, T., Takashima, H., Shimizu, M., <u>Kitajima</u> , S., Yamazaki, H.	Pharmacokinetics of primary metabolites 5-hydroxythalidomide and 5'-hydroxythalidomide formed after oral administration of thalidomide in the rabbit, a thalidomide-sensitive species.	J Toxicol Sci.	46	553-560	2021
Yuhji Taquahashi, Hirokatsu Saito, Makiko Kuwagata, <u>Satoshi Kitajima</u>	Development of an inhalation exposure system of a pressurized metered-dose inhaler (pMDI) formulation for small experimental animals.	Fundam. Toxicol. Sci.	8	169-175	2021

Toshime Igarashi, Yukuto Yasuhiko, Ryuichi Ono, Erika Tachihara, Miki Uchiyama, Atsuya Takagi, Yu Takahashi, Makiko Kuwagata, <u>Satoshi Kitajima</u>	Diverse unintended on-target mutations induced by zygote genome-editing using CRISPR/Cas9 system.	Fundam. Toxicol. Sci.	8	161-167	2021
Eiichi Yamamoto, Yuhji Taquahashi, Makiko Kuwagata, Hirokatsu Saito, Kohei Matsushita, Takeshi Toyoda, Futoshi Sato, <u>Satoshi Kitajima</u> , Kumiko Ogawa, Ken-ichi Izutsu, Yoshiro Saito, Yoko Hirabayashi, Yasuo Iimura, Masamitsu Honma, Haruhiro Okuda, Yukihiro Goda	Visualizing the spatial localization of ciclesonide and its metabolites in rat lungs after inhalation of 1- μ m aerosol of ciclesonide by desorption electrospray ionization-time of flight mass spectrometry imaging.	Int J Pharmaceutics	595	120241	2021
Okubo Y, Ohtake F, Igarashi K, Yasuhiko Y, Hirabayashi Y, Suga Y, <u>Kanno J.</u>	Cleaved Delta like 1 intracellular domain regulates neural development via Notch signal-dependent and -independent pathways.	Development	148	dev193664	2021
Hojo M, Yamamoto Y, Sakamoto Y, Maeno A, Ohnuki A, Suzuki J, Inomata A, Moriyasu T, Taquahashi Y, <u>Kanno J.</u> , Hirose A, Nakae D.	Histological sequence of the development of rat mesothelioma by MWCNT, with the involvement of apolipoproteins.	Cancer Sci.	112	2185-2198	2021
<u>Kitano, H.</u>	Nobel Turing Challenge: creating the engine for scientific discovery.	npj Syst Biol Appl.	7	29	2021

<p>Ostaszewski M, Niarakis A, Mazein A, Kuperstein I, Phair R, Orta-Resendiz A, Singh V, Aghamiri SS, Acencio ML, Glaab E, Ruepp A, Fobo G, Montrone C, Brauner B, Frishman G, Monraz Gómez LC, Somers J, Hoch M, Kumar Gupta S, Scheel J, Borlinghaus H, Czauderna T, Schreiber F, Montagud A, Ponce de Leon M, Funahashi A, Hiki Y, Hiroi N, Yamada TG, Dräger A, Renz A, Naveez M, Bocskei Z, Messina F, Börmigen D, Fergusson L, Conti M, Rameil M, Nakonecni V, Vanhoefer J, Schmiester L, Wang M, Ackermann EE, Shoemaker JE, Zucker J, Oxford K, Teuton J, Kocakaya E, Summak GY, Hanspers K, Kutmon M, Coort S, Eijssen L, Ehrhart F, Rex DAB, Slenter D, Martens M, Pham N, Haw R, Jassal B, Mathews L, Orlic-Milacic M, Senff Ribeiro A, Rothfels K, Shamovsky V, Stephan R, Sevilla C, Varusai T, Ravel JM, Fraser R, Orseifen V, Marchesi S, Gawron P, Smulka E, Heirendt L, Satagopam V, Wu G, Rütta A, Golebiewski M, Owen S, Goble C, Hu X, Overall RW, Maier D, Bauch A, Gyori BM, Bachman JA, Vega C, Grouès V, Vazquez M, Porras P, Licata L, Iannuccelli M, Sacco F, Nesterova A, Yuryev A, de Waard A, Turei D, Luna A, Babur O, Soliman S, Valdeolivas A, Esteban-Medina M, Peña-Chilet M, Rian K, Helikar T, Puniya BL, Modos D, Treveil A, Olbei M, De Meulder B, Ballereau S, Dugourd A, Naldi A, Noël V, Calzone L, Sander C, Demir E, Korcsmaros T, Freeman TC, Augé F, Beckmann JS, Hasenauer J, Wolkenhauer O, Wilighagen EL, Pico AR, Evelo CT, Gillespie ME, Stein LD, Hermjakob H, D'Eustachio P, Saez-Rodriguez J, Dopazo J, Valencia A, <u>Kitano H</u>, Barillot E, Auffray C, Balling R, Schneider R</p>	<p>COVID-19 Disease Map Community. COVID19 Disease Map, a computational knowledge repository of virus-host interaction mechanisms.</p>	<p>Mol Syst Biol.</p>	<p>17</p>	<p>e10387</p>	<p>2021</p>
<p><u>夏目 やよい</u></p>	<p>機械学習によって加速される次世代アジュバント開発</p>	<p>医学のあゆみ</p>	<p>279</p>	<p>961-964</p>	<p>2021</p>
<p><u>夏目 やよい</u>, 榎林陽一</p>	<p>新薬創出を加速する人工知能の開発～データ駆動型創薬ターゲット探索プラットフォームの構築～</p>	<p>あいみつく</p>	<p>42</p>	<p>58-63</p>	<p>2021</p>