

研究成果の刊行に関する一覧表

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
Esaki T., Horinouchi T., Natsume-Kitatani Y., Nojima Y., Sakane I., Matsui H.	Estimation of relationships between gene expression and chemical substructures: Adapting canonical correlation analysis for small sample data by gathered features using consensus clustering	Chem-Bio Informatics Journal	20	58-61	2020
Allendes Osorio R., Nyström-Persson J., Nojima Y., Kosugi Y., Mizuguchi K., Natsume-Kitatani Y.	Panomicon: A web-based environment for interactive, visual analysis of multi-omics data	Heliyon	6(8)	e04618	2020
Nojima Y., Takeda Y., Maeda Y., Bamba T., Fukusaki E., Itoh M., Mizuguchi K., Kumanogoh A.	Metabolomic analysis of fibrotic mice combined with public RNA-Seq human lung data reveal potential diagnostic biomarker candidates for lung fibrosis	FEBS Open Bio	11(10)	2427-2436	2020
Teranishi Y., Kuwahara H., Ueda M., Takemura T., Kusumoto M., Nakamura K., Sakai J., Kimura T., Furutani Y., Kawashima M., Imokawa G., Nogami-Itoh M.	Sphingomyelin Deacylase, the Enzyme Involved in the Pathogenesis of Atopic Dermatitis, Is Identical to the β -Subunit of Acid Ceramidase	International Journal of Molecular Sciences	22(21)	8789	2020
Tripathi L., Itoh M., Takeda Y., Tsujino K., Kondo Y., Kumanogoh A., Mizuguchi K.	Integrative Analysis Reveals Common and Unique Roles of Tetraspanins in Fibrosis and Emphysema	Frontiers in Genetics	11	585998	2020
Takahashi H., Kamiyama T., Hirane N., Kobayashi N., Aiyama T., Nagatsu A., Shimada S., Orimo T., Kakisaka T., Fukai M., Yokoo H., Kamachi H., Nishimura S-I., Taketomi A.	Analysis of the correlation between alterations in N-glycans and invasiveness in liver cancer cell lines	Oncol. Rep.	44	2757-2769	2020
Pablo A. Guillen-Poza, Elena Matilde Sánchez-Fernández, Gerard Artigas, José Manuel García Fernández, Hinou H., Carmen Ortiz Mellet, Nishimura S-I., Fayna Garcia-Martin	Amplified detection of breast cancer autoantibodies using MUC1-based Tn antigen mimics	J. Med. Chem.	63	8524-8533	2020

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Yokoi Y., Nishimura S-I.	Effect of Site - specific O-Glycosylation on the Structural Behavior of NOTCH1 Receptor Extracellular EGF - like Domains 11 and 10	Chem. Eur. J.	26	12363-12372	2020
Wakui H., Tanaka Y., Ose T., Matsumoto I., Kato K., Yao M., Tachibana T., Sato M., Naruchi K., García-Martín F., Hinou H., Nishimura S-I.	A straightforward approach to antibodies recognising cancer specific glycopeptidic neopeptides	Chem. Sci	11	4999-5006	2020
Ken Asada, Kazuma Kobayashi, Samuel Joutard, Masashi Tubaki, Satoshi Takahashi, Ken Takasawa, Masaaki Komatsu, Syuzo Kaneko, Jun Sese, Ryuji Hamamoto	Uncovering Prognosis-Related Genes and Pathways by Multi-Omics Analysis in Lung Cancer.	Biomolecules	10	524	2020
Theodore Vougiouklakis, Riyue Bao, Sohyoung Kim, Songjoon Baek, Makda Zewde, Benjamin Bernard, Kyunghee Burkitt, Nupur Nigam, Evgeny Izumchenko, Naoshi Dohmae, Ryuji Hamamoto, Yusuke Nakamura	WHSC1 monomethylates histone H1 and induces stem-cell like features in squamous cell carcinoma of the head and neck.	Neoplasia	22	283-293	2020
Ken Asada, Amina Bolatkan, Ken Takasawa, Masaaki Komatsu, Syuzo Kaneko, Ryuji Hamamoto	Critical Roles of N6-Methyladenosine (m6A) in Cancer and Virus Infection.	Biomolecules	10	524	2020
Shunichi Jinnai, Naoya Yamazaki, Yuichiro Hirano, Yohei Sugawara, Yuichiro Ohe, Ryuji Hamamoto	The Development of a Skin Cancer Classification System for Pigmented Skin Lesions Using Deep Learning.	Biomolecules	10	1123	2020
Kazuma Kobayashi, Amina Bolatkan, Shuichiro Shiina, Ryuji Hamamoto	Fully-Connected Neural Networks with Reduced Parameterization for Predicting Histological Types of Lung Cancer from Somatic Mutations.	Biomolecules	10	1249	2020
Satoshi Takahashi, Ken Asada, Ken Takasawa, Ryo Shimoyama, Akira Sakai, Amina Bolatkan, Norio Shinkai, Kazuma Kobayashi, Masaaki Komatsu, Syuzo Kaneko, Jun Sese, Ryuji Hamamoto	Predicting Deep Learning Based Multi-Omics Parallel Integration Survival Subtypes in Lung Cancer Using Reverse Phase Protein Array Data.	Biomolecules	10	1460	2020

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Machiko Kojima, Kenbun Sone, Katsutoshi Oda, Ryuji Hamamoto, Syuzo Kaneko, Shinya Oki, Asako Kukita, Akira Kawata, Harunori Honjoh, Yoshiko Kawata, Tomoko Kashiyama, Masakazu Sato, Ayumi Taguchi, Yuichiro Miyamoto, Michihiro Tanikawa, Tetsushi Tsuruga, Kazunori Nagasaka, Osamu Wada-Hiraike, Yutaka Osuga, Tomoyuki Fujii	The histone methyltransferase SMYD2 is a novel therapeutic target for the induction of apoptosis in ovarian clear cell carcinoma cells.	Oncology Letters	20	153	2020
Ai Dozen, Masaaki Komatsu, Akira Sakai, Reina Komatsu, Kanto Shozu, Hidenori Machino, Suguru Yasutomi, Tatsuya Arakaki, Ken Asada, Syuzo Kaneko, Ryu Matsuoka, Daisuke Aoki, Akihiko Sekizawa, Ryuji Hamamoto	Image Segmentation of the Ventricular Septum in Fetal Cardiac Ultrasound Videos Based on Deep Learning Using Time-Series Information.	Biomolecules	10	15426	2020
Vasiliki Papadaki, Ken Asada, Julie K Watson, Toshiya Tamura, Alex Leung, Jack Hopkins, Margaret Dellelt, Noriaki Sasai, Hongorzul Davaapil, Serena Nik-Zainal, Rebecca Longbottom, Makoto Nakakido, Ryo Torii, Abhi Veerakumarasivam, Syuzo Kaneko, Mandeep S Sagoo, Gillian Murphy, Akihisa Mitani, Kohei Tsumoto, John D Kelly, Ryuji Hamamoto, Shin-Ichi Ohnuma	Two Secreted Proteoglycans, Activators of Urothelial Cell-Cell Adhesion, Negatively Contribute to Bladder Cancer Initiation and Progression.	Cancers	12	3362	2020
Ryuji Hamamoto, Kruthi Suvarna, Masayoshi Yamada, Kazuma Kobayashi, Norio Shinkai, Mototaka Miyake, Masamichi Takahashi, Shunichi Jinnai, Ryo Shimoyama, Akira Sakai, Ken Takasawa, Amina Bolatkan, Kanto Shozu, Ai Dozen, Hidenori Machino, Satoshi Takahashi, Ken Asada, Masaaki Komatsu, Jun Sese, Syuzo Kaneko	Application of Artificial Intelligence Technology in Oncology: Towards the Establishment of Precision Medicine.	Cancers	12	3532	2020
Miku Wada, Asako Kukita, Kenbun Sone, Ryuji Hamamoto, Syuzo Kaneko, Masaaki Komatsu, Yu Takahashi, Futaba Inoue, Machiko Kojima, Harunori Honjoh, Ayumi Taguchi, Tomoko Kashiyama, Yuichiro Miyamoto, Michihiro Tanikawa, Tetsushi Tsuruga, Mayuyo Mori-Uchino, Osamu Wada-Hiraike, Yutaka Osuga, Tomoyuki Fujii	Epigenetic Modifier SETD8 as a Therapeutic Target for High-Grade Serous Ovarian Cancer.	Biomolecules	10	1686	2020

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Kanto Shozu, Masaaki Komatsu, Akira Sakai, Reina Komatsu, Ai Dozen, Hidenori Machino, Suguru Yasutomi, Tatsuya Arakaki, Ken Asada, Syuzo Kaneko, Ryu Matsuoka, Akitoshi Nakashima, Akihiko Sekizawa, Ryuji Hamamoto	Model-Agnostic Method for Thoracic Wall Segmentation in Fetal Ultrasound Videos.	Biomolecules	10	1691	2020
Shun-Ichiro Kageyama, Junyan Du, Syuzo Kaneko, Ryuji Hamamoto, Shigeo Yamaguchi, Riu Yamashita, Masayuki Okumura, Atsushi Motegi, Hidehiro Hojo, Masaki Nakamura, Katsuya Tsuchihara, Tetsuo Akimoto	Identification of the mutation signature of the cancer genome caused by irradiation.	Radiotherapy and Oncology	155	10-16	2021
Kazuma Kobayashi, Naoya Murakami, Kana Takahashi, Koji Inaba, Hiroshi Igaki, Ryuji Hamamoto, Jun Itami	Tensor regression-based model to investigate heterogeneous spatial radiosensitivity after I-125 seed implantation for prostate cancer.	In vivo	35	489-497	2021
Masaaki Komatsu, Akira Sakai, Reina Komatsu, Ryu Matsuoka, Suguru Yasutomi, Kanto Shozu, Ai Dozen, Hidenori Machino, Hirokazu Hidaka, Tatsuya Arakaki, Ken Asada, Syuzo Kaneko, Akihiko Sekizawa, Ryuji Hamamoto	Detection of Cardiac Structural Abnormalities in Fetal Ultrasound Videos Using Deep Learning.	Applied Sciences	11	371	2021
Tatsuya Ozawa, Syuzo Kaneko, Frank Szulzewsky, Zhiwei Qiao, Mutsumi Takadera, Yoshitaka Narita, Tadashi Kondo, Eric C Holland, Ryuji Hamamoto, Koichi Ichimurai	C11orf95-RELA fusion drives aberrant gene expression through the unique epigenetic regulation for ependymoma formation.	Acta Neuropathol Commun	9	36	2021
Daisuke Takayanagi, Sou Hirose, Ikumi Kuno, Yuka Asami, Naoya Murakami, Maiko Matsuda, Yoko Shimada, Kuniko Sunami, Masaaki Komatsu, Ryuji Hamamoto, Mayumi Kobayashi Kato, Koji Matsumoto, Takashi Kohno, Tomoyasu Kato, Kouya Shiraishi, Hiroshi Yoshida	Comparative Analysis of Genetic Alterations, HPV-Status, and PD-L1 Expression in Neuroendocrine Carcinomas of the Cervix.	Cancers (Basel)	13	1215	2021

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Satoshi Takahashi, Masamichi Takahashi, Manabu Kinoshita, Mototaka Miyake, Risa Kawaguchi, Naoki Shinojima, Akitake Mukasa, Kuniaki Saito, Motoo Nagane, Ryohei Otani, Fumi Higuchi, Shota Tanaka, Nobuhiro Hata, Kaoru Tamura, Kensuke Tateishi, Ryo Nishikawa, Hideyuki Arita, Masahiro Nonaka, Takehiro Uda, Junya Fukai, Yoshiko Okita, Naohiro Tsuyuguch, Yonehiro Kanemura, Kazuma Kobayashi, Jun Sese, Koichi Ichimura, Yoshitaka Narita, Ryuji Hamamoto	Fine-Tuning Approach for Segmentation of Gliomas in Brain Magnetic Resonance Images with a Machine Learning Method to Normalize Image Differences among Facilities.	Cancers (Basel)	13	1415	2021
Takahashi S, Takahashi M, Tanaka S, Takayanagi S, Takami H, Yamazawa E, Nambu S, Miyake M, Satomi K, Ichimura K, Narita Y, Hamamoto R.	A New Era of Neuro-Oncology Research Pioneered by Multi-Omics Analysis and Machine Learning.	Biomolecules	11	565	2021
Kaneko S, Mitsuyama T, Shiraishi K, Ikawa N, Shozu K, Dozen A, Machino H, Asada K, Komatsu M, Kukita A, Sone K, Yoshida H, Motoi N, Hayami S, Yoneoka Y, Kato T, Kohn T, Natsume T, Keudell GV, Saloura V, Yamaue H, Hamamoto R.	Genome-Wide Chromatin Analysis of FFPE Tissues Using a Dual-Arm Robot with Clinical Potential.	Cancers (Basel)	13	2126	2021
Asada K, Kaneko S, Takasawa K, Machino H, Takahashi S, Shinkai N, Shimoyama R, Komatstu M, Hamamoto R.	Integrated Analysis of Whole Genome and Epigenome Data Using Machine Learning Technology: Toward the Establishment of Precision Oncology.	Front Oncol	12 (11)	666397	2021
Kobayashi K, Miyake M, Takahashi M, Hamamoto R.	Observing Deep Radiomics for the Classification of Glioma Grades.	Sci Rep	11	10942	2021
Lee K, Kim K, Ryu TY, Jung CR, Lee MS, Lim JH, Park K, Kim DS, Son MY, Hamamoto R, Cho HS.	Dysregulation of EHMT1 affects lung cancer proliferation by controlling CDKN1A expression.	Mol Oncol	15	2989-3002	2021
Komatsu M, Sakai A, Dozen A, Shozu A, Yasutomi S, Machino H, Asada K, Kaneko S, Hamamoto R.	Towards Clinical Application of Artificial Intelligence in Ultrasound Imaging.	Biomedicines	9	720	2021
Yamada M, Saito Y, Yamada S, Kondo H, Hamamoto R.	Detection of flat colorectal neoplasia by artificial intelligence: A systematic review.	Best Pract Res Clin Gastroenterol	52-53	11745	2021
Kawaguchi RK, Takahashi M, Miyake M, Kinoshita M, Takahashi S, Ichimura K, Hamamoto R, Narita Y, Sese J.	Assessing Versatile Machine Learning Models for Glioma Radiogenomic Studies across Hospitals.	Cancers (Basel)	13	3611	2021
Kobayashi K, Hataya R, Kurose Y, Miyake M, Takahashi M, Nakagawa A, Harada T, Hamamoto R.	Decomposing normal and abnormal features of medical images for content-based image retrieval of glioma imaging.	Med Image Anal	74	102227	2021

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Kaneko S, Takasawa K, Asada K, Shinkai N, Bolatkan A, Yamada M, Takahashi S, Machino H, Kobayashi K, Komatsu M, Hamamoto R.	Epigenetic Mechanisms Underlying COVID-19 Pathogenesis.	Biomedicines	9	1142	2021
Asada K, Komatsu M, Shimoyama R, Takasawa K, Shinkai N, Sakai A, Bolatkan A, Yamada M, Takahashi S, Machino H, Kobayashi K, Kaneko S, Hamamoto R.	Application of Artificial Intelligence in COVID-19 Diagnosis and Therapeutics.	J Pers Med	11	886	2021
Kuno I, Takayanagi D, Asami Y, Murakami N, Matsuda M, Shimada Y, Hirose S, Kato MK, Komatsu M, Hamamoto R, Okuma K, Kohno T, Itami J, Yoshida H, Shiraishi K, Kato T.	TP53 mutants and non-HPV16/18 genotypes are poor prognostic factors for concurrent chemoradiotherapy in locally advanced cervical cancer.	Sci Rep	11	19261	2021
Mitsuhashi A, Kondoh K, Horikawa K, Koyama K, Nguyen N, Afroj T, Yoneda H, Otsuka K, Ogino H, Nokihara H, Shinohara T, Nishioka Y.	PD-1/PD-L1 blockade mediates anti-angiogenic effects by tumor-derived CXCL10/11 as a potential predictive biomarker.	Cancer Sci	12(12)	4853-4866	2021
Sato S, Chong SG, Upagupta C, Yanagihara T, Saito T, Shimbori C, Belleys PS, Nishioka Y, Kolb M.	Fibrotic extracellular matrix induces release of extracellular vesicles with profibrotic miRNA from fibrocytes.	Thorax	76(9)	895-906	2021
Afroj T, Mitsuhashi A, Ogino H, Saijo A, Otsuka K, Yoneda H, Tobiume M, Nguyen TN, Goto H, Koyama K, Sugimoto M, Kondoh O, Nokihara H, Nishioka Y.	Blockade of PD-1/PD-L1 pathway enhances the antigen-presenting capacity of fibrocytes.	J Immunol	206(6)	1204-1214	2021
Kawano H, Koyama K, Nishimura H, Toyoda Y, Kagawa K, Sato S, Naito N, Goto H, Inagaki Y, Nishioka Y.	Development of improved method to identify and analyze lung fibrocytes with flow cytometry in a reporter mouse strain.	Immun Inflamm Dis	9(1)	120-127	2021
Matsumoto S, Ishida S, Araki M, Kato T, Terayama K, Okuno Y	Extraction of protein dynamics information from cryo-EM maps using deep learning	Nat Mach Intell	3	153-160	2021
Ryosuke Shibukawa; Shoichi Ishida; Kazuki Yoshizoe; Kunihiro Wasa; Kiyosei Takasu; Yasushi Okuno; Kei Terayama; Koji Tsuda	CompRet: a comprehensive recommendation framework for chemical synthesis planning with algorithmic enumeration	J Cheminform	12	52	2020
Masuda, N., Murakami, K., Kita, Y., Hamada, A., Kamada, M., Teramoto, Y., Matsumoto, K., Sano, T., Saito, R., Okuno, Y., Ogawa, O., Kobayashi, T.	Trp53 mutation in Krt5-expressing basal cells facilitates the development of basal squamous-like invasive bladder cancer in the chemical carcinogenesis of mouse bladder	Am. J. Pathol.	190(8)	1752-1762	2020
Saito, Y., Koya, J., Araki, M., Kogure, Y.,	Landscape and function of multiple	Nature	582	95-99	2020

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Shingaki, S., Tabata, M., McClure, M., Yoshifuji, K., Matsumoto, S., Isaka, Y., Tanaka, H., Kanai, T., Miyano, S., Shiraishi, Y., Okuno, Y., Kataoka, K.	mutations within individual oncogenes				
Ono, F., Chiba, S., Isaka, Y., Matsumoto, S., Ma, B., Katayama, R., Araki, M., Okuno, Y.	Improvement in predicting drug sensitivity changes associated with protein mutations using a molecular dynamics based alchemical mutation method	Sci. Rep.	10(1)	2161	2020
Tanaka, Y., Tamada, Y., Ikeguchi, M., Yamashita, F., Okuno, Y.	System-based differential gene network analysis for characterizing a sample-specific subnetwork	Biomolecules	10(2)	306	2020
Hatae, R., Chamoto, K., Young, Hak, Kim., Sonomura, K., Taneishi, K., Kawaguchi, S., Yoshida, H., Ozasa, H., Sakamori, Y., Akrami, M., Fagarasan, S., Masuda, I., Okuno, Y., Matsuda, F., Hirai, T., Honjo, T.	Combination of host immune metabolic biomarkers for the PD-1 blockade cancer immunotherapy	JCI Insight	5(2)	133501	2020
Iwata, H., Kojima, R., Okuno, Y.	An in Silico Approach for Integrating Phenotypic and Target-Based Approaches in Drug Discovery	Mol. Inform.	39(1-2)	1900096	2020