

Ⅲ. 研究成果の刊行に関する一覧表

【H30年度】

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
Honda M, Nakashima K, Katada S.	Epigenetic Regulation of Human Neural Stem Cell Differentiation.	Buzanska L.	Human Neural Stem Cells. Results and Problems in Cell Differentiation	Springer	Cham	2018	125-136

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
Hiradate Y, Sasaki E, Momose H, Asanuma H, Furuhata K, Takai M, Aoshima T, Yamada H, Ishii KJ, Tanemura K, Mizukami T, Hamaguchi I.	Development of screening method for intranasal influenza vaccine and adjuvant safety in preclinical study.	Biologicals.	55	43-52	2018
Sakai K, Ideta-Otsuka M, Saito H, Hiradate Y, Hara K, Igarashi K, Tanemura K.	Effects of doxorubicin on sperm DNA methylation in mouse models of testicular toxicity.	Biochem Biophys Res Commun.	498(3)	674-679	2018
Yamada K, Hiradate Y, Goto M, Nishiyama C, Hara K, Yoshida H, Tanemura K.	Potassium bromate disrupts mitochondrial distribution within murine oocytes during in vitro maturation.	Reprod Med Biol.17(2)	17(2)	143-148	2018

Kurita-Suzuki A, Kamo Y, Uchida C, Tanemura K, Hara K, Uchida T.	Prolyl isomerase Pin1 is required sperm production by promoting mitosis progression of spermatogonial stem cells.	Biochem Biophys Res Commun.	497(1)	388-393	2018
Ohtani N, Suda K, Tsuji E, Tanemura K, Yokota H, Inoue H, Iwano H.	Late pregnancy is vulnerable period for exposure to BPA.	J Vet Med Sci.	80(3)	536-543	2018
Endo N, Ujita W, Fujiwara M, Miyauchi H, Mishima H, Makino Y, Hashimoto L, Oyama H, Makino M, Nishi M, Tohyama C, Kakeyama M.	Multiple animal positioning system shows that socially-reared mice influence the social proximity of isolation-reared cagemates.	Communications Biology	1	225	2018
Kajiwara R, Tominaga Y, Tominaga T	Network plasticity involved in the spread of neural activity within the rhinal cortices as revealed by voltage-sensitive dye imaging in mouse brain slices	<i>Front. Cell. Neurosci.</i>	10	3389	2019
Tominaga Y, Taketoshi M, Tominaga T	Overall Assay of Neuronal Signal Propagation Pattern With Long-Term Potentiation (LTP) in Hippocampal Slices From the CA1 Area With Fast Voltage-Sensitive Dye Imaging.	<i>Front. Cell. Neurosci.</i>	12	389	2018
Matsuda T, Irie T, Katsurabayashi S, Hayashi T, Nagai T, Hamazaki N, Adefuin AM, Miura F, Ito T, Kimura H, Shirahige K, Takeda T, Iwasaki K, Imamura T and Nakashima K.	Pioneer factor NeuroD1 rearranges transcriptional and epigenetic profiles to execute microglia-neuron conversion	Neuron	101	472-485	2019

Yoshikawa Y, Ago T, Kuroda J, Wakisaka Y, Tachibana M, Komori M, Shibahara T, Nakashima H, Nakashima K, Kitazono T.	Nox4 Promotes Neural Stem/Precursor Cell Proliferation and Neurogenesis in the Hippocampus and Restores Memory Function Following Trimethyltin-Induced Injury	Neuroscience	398	193-205	2018
Kawamura Y, Takouda J, Yoshimoto K, Nakashima K.	New aspects of glioblastoma multiforme revealed by similarities between neural and glioblastoma stem cells	Cell Biol Toxicol	34	425-440	2018
Murao N, Matsubara S, Matsuda T, Noguchi H, Mutoh T, Mutoh M, Kosaki H, Namihira M, Nakashima K.	Np95/Uhrf1 regulates tumor suppressor gene expression of neural stem/precursor cells, contributing to neurogenesis in the adult mouse brain	Neurosci Res			in press
Nakashima H, Tsujimura K, Irie K, Ishizu M, Pan M, Kameda T, Nakashima K.	Canonical TGF- β Signaling Negatively Regulates Neuronal Morphogenesis through TGIF/Smad Complex-Mediated CRMP2 Suppression	J Neurosci	38	4791-4810	2018
Sakai A, Matsuda T, Doi H, Nagaishi Y, Kato K, Nakashima K.	Ectopic neurogenesis induced by prenatal antiepileptic drug exposure augments seizure susceptibility in adult mice	Proc Natl Acad Sci USA	115	4270-4275	2018
Uezono N, Zhu Y, Fujimoto Y, Yasui T, Matsuda T, Nakajo M, Abematsu M, Setoguchi T, Mori S, Takahashi HK, Komiya S, Nishibori M, Nakashima K.	Prior Treatment with Anti-High Mobility Group Box-1 Antibody Boosts Human Neural Stem Cell Transplantation-Mediated Functional Recovery After Spinal Cord Injury	Stem Cells	36	737-750	2018
Ryuichi Ono, Yukuto Yasuhiko, Kenichi Aisaki, Satoshi Kitajima, Jun Kanno, Yoko Hirabayashi.	Exosome-mediated horizontal gene transfer occurs in double-strand break repair during genome editing.	Commun Biol	2	57	2019

Mishima M, Hoffmann D, Ichihara G, <u>Kitajima S</u> , Shibutani M, Furukawa S, Hirose A.	Derivation of acceptable daily exposure value for alanine, N,N-bis(carboxymethyl)-, trisodium salt.	Fund Toxicol Sci	5	167-170	2018
Otsuka K, Yamada K, Taquahashi Y, Arakaki R, Ushio A, Saito M, Yamada A, Tsunematsu T, Kudo Y, Kanno J, Ishimaru N.	Long-term polarization of alveolar macrophages to a profibrotic phenotype after inhalation exposure to multi-wall carbon nanotubes.	PLoS One	13(10)	e0205702.	2018
Tanaka T, Nakajima K, Masubuchi Y, Ito Y, Kikuchi S, Ideta-Ohtsuka M, Woo GH, Yoshida T, Igarashi K, Shibutani M.	Aberrant epigenetic gene regulation in hippocampal neurogenesis of mouse offspring following maternal exposure to 3,3'-iminodipropionitrile.	J Toxicol Sci.	44	93-105.	2019
Watanabe Y, Abe H, Nakajima K, Ideta-Otsuka M, Igarashi K, Woo GH, Yoshida T, Shibutani M.	Aberrant Epigenetic Gene Regulation in GABAergic Interneuron Subpopulations in the Hippocampal Dentate Gyrus of Mouse Offspring Following Developmental Exposure to Hexachlorophene.	Toxicol Sci.	163	13-25	2018

【H31/R1年度】

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著者氏名	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
佐野坂司・今村拓也	DNAメチル化レベルを可視化する	清水厚志・坊農秀雅	次世代シーケンサーDRY解析教本	学研メディカル秀潤社	東京	2019	364-365

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発表者氏名	論文タイトル名	発表誌名	巻号	ページ	出版年
Saito H, Hara K, Tominaga T, Nakashima K, Tanemura K.	Early-life exposure to low levels of permethrin exerts impairments in learning and memory with the effects on neuronal and glial population in adult male mice.	J Appl Toxicol.	39(12)	1651-1662.	2019
Yamashita S, Kogasaka Y, Hiradate Y, Tanemura K, Sendai Y.	Suppression of mosaic mutation by co-delivery of CRISPR associated protein 9 and three-primer repair exonuclease 2 into porcine zygotes via electroporation.	J Reprod Dev.		doi: 10.1262/jrd.2019-088.	2019
Goto M, Saito H, Hiradate Y, Hara K, Tanemura K.	Differences in resistance against osmotic challenge among C57BL/6, DBA/2 and their hybrid mice metaphase II (MII) stage	Zygote.	27(4)	250-254.	2019
Kanamori M, Oikawa K, Tanemura K, Hara K.	Mammalian germ cell migration during development, growth, and homeostasis.	Reprod Med Biol.	18(3)	247-255.	2019
Kurata S, Hiradate Y, Umezu K, Hara K, Tanemura K.	Capacitation of mouse sperm is modulated by gamma-aminobutyric acid (GABA) concentration.	J Reprod Dev.	65(4)	327-334.	2019
Umezu K, Yajima R, Hiradate Y, Yanai R, Numabe T, Hara K, Oikawa T, Tanemura K.	Improvement in blastocyst quality by neurotensin signaling via its receptors in bovine spermatozoa during in vitro fertilization.	J Reprod Dev.	65(2)	147-153.	2019

掛山正心・藤原昌也	マウスの集団内社会行動の客観定量分析	日本生物学的精神医学会誌	30	182-186.	2019
Tominaga, T., Kuhn, B.	Cutting-edge brain research from a biophysical perspective: symposium synopsis of Session 1SCP at BSJ2019 in Miyazaki, Kyushu, Japan	Biophysical Reviews	12 (2)	261-262	2020
Tominaga, Y., Taketoshi, M., Maeda, N., Tominaga, T.	Wide-field Single-photon Optical Recording in Brain Slices Using Voltage-sensitive Dye.	J. Vis. Exp.	148	e59692, doi:10.3791/59692	2019
Kajiwara R, Tominaga Y, Tominaga T	Network plasticity involved in the spread of neural activity within the rhinal cortices as revealed by voltage-sensitive dye imaging in mouse brain slices	Front. Cell. Neurosci.		doi: 10.3389/fncel.2019.00020	2019

Mishima Y, Brueckner L, Takahashi S, Kawakami T, Otani J, Shinohara A, Takeshita K, Garvilles RG, Watanabe M, Sakai N, Takeshima H, Nachtgael C, Nishiyama A, Nakanishi M, Arita K, Nakashima K, Hojo H, Suetake I.	Enhanced processivity of Dnmt1 by monoubiquitinated histone H3	Genes Cells	25	22-32.	2020
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Yoshikawa Y, Ago T, Kuroda J, Wakisaka Y, Tachibana M, Komori M, Shibahara T, Nakashima H, Nakashima K, Kitazono T	Nox4 Promotes Neural Stem/Precursor Cell Proliferation and Neurogenesis in the Hippocampus and Restores Memory Function Following Trimethyltin-Induced Injury	Neuroscience	398	193-205.	2019
Noguchi H, Castillo JG, Nakashima K, Pleasure SJ	Suppressor of fused controls perinatal expansion and quiescence of future dentate adult neural stem cells	Elife	8		2019
Nakajo M, Uezono N, Nakashima H, Wake H, Komiya S, Nishibori M, Nakashima K	Therapeutic time window of anti-high mobility group box-1 antibody administration in mouse model of spinal cord injury	Neurosci Res	141	63-70.	2019
Kobayashi K, Kuze J, Abe S, Takehara S, Minegishi G, Igarashi K, Kitajima S, Kanno J, Yamamoto T, Oshimura M, Kazuki Y.	CYP3A4 Induction in the Liver and Intestine of Pregnane X Receptor/CYP3A-Humanized Mice: Approaches by Mass Spectrometry Imaging and Portal Blood Analysis.	Mol Pharmacol	96(5)	600-608.	2019
Ono R, Yasuhiko Y, Aisaki K, Kitajima S, Kanno J, Yoko H.	Exosome-mediated horizontal gene transfer occurs in double-strand break repair during genome editing.	Commun Biol 2	57		2019
北嶋 聡	エディトリアル：ドーピングの中毒学・毒性学-序文-	中毒研究(Jpn. J. Clin. Toxicol.)	32	373-374.	2019

Ikarashi S, Tsuchiya A, Kawata Y, Kojima Y, Watanabe T, Takeuchi S, Igarashi K, Ideta-Otsuka M, Oki K, Takamura M, Terai S, Ishimaru N.	Effects of Human Adipose Tissue-Derived and Umbilical Cord Tissue-Derived Mesenchymal Stem Cells in a Dextran Sulfate Sodium-Induced Mouse Model.	Biores Open Access.	11;8(1)	185-199.	2019
Kuzumaki N, Suda Y, Iwasawa C, Narita M, Sone T, Watanabe M, Maekawa A, Matsumoto T, Akamatsu W, Igarashi K, Tamura H, Takeshima H, Tawfik	Cell-specific overexpression of COMT in dopaminergic neurons of Parkinson's disease.	Brain.	142(6)	1675-1689.	2019
Han C, Kawata M, Hamada Y, Kondo T, Wada J, Asano K, Makabe H, Igarashi K, Kuzumaki N, Narita M, Kobayashi H, Narita M.	Analyses of the possible anti-tumor effect of yokukansan.	J Nat Med	73(3)	468-479	2019
Kitajima R, Nakai R, Imamura T, Kameda T, Kozuka D, Hirai H, Ito H, Imai H, Imamura M.	Modeling of early neural development in vitro by direct neurosphere formation culture of chimpanzee induced pluripotent stem cells.	Stem Cell Res	44	101749	2020

【R2年度】

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発表者氏名	論文タイトル名	発表誌名	巻号	ページ	出版年
Saito H, Hara K, Kitajima S, Tanemura K.	Effect of Vitamin E deficiency on spermatogenesis in mice and its similarity to aging.	Reprod Toxicol.	98	225-232	2020

Umezumi K, Kurata S, Takamori H, Numabe T, Hiradate Y, Hara K, Tanemura K.	Characteristics and Possible Role of Bovine Sperm Head-to-Head Agglutination.	Cells.	9(8)	1865	2020
Hiradate Y, Hara K, Tanemura K.	Effect of neurotensin on cultured mouse preimplantation embryos.	J Reprod Dev.	66(5)	421-425	2020
Umezumi K, Hara K, Hiradate Y, Numabe T, Tanemura K.	Stromal cell-derived factor 1 regulates in vitro sperm migration towards the cumulus-oocyte complex in cattle.	PLoS One.	15(4)	e0232536	2020
Horigane SI, Ozawa Y, Zhang J, Todoroki H, Miao P, Haijima A, Yanagawa Y, Ueda S, Nakamura S, Kakeyama M, Takemoto-Kimura S.	A mouse model of Timothy syndrome exhibits altered social competitive dominance and inhibitory neuron development.	EBS Open Bio.	10(8)	1436-1446.	2020
ベナー聖子・掛山正心.	社会的隔離の動物モデル	精神科	39	1-6	2021
Koike-Tani M, Tominaga T, Oldenbourg R, Tani T.	Birefringence changes of dendrites in mouse hippocampal slices revealed with polarizing microscopy	Biophysical Journal	118	2366-2384	2020
Luyben TT, Rai J, Li H, Georgiou J, Avila A, Zhen M, Collingridge GL, Tominaga T, Okamoto K.	Optogenetic Manipulation of Postsynaptic cAMP Using a Novel Transgenic Mouse Line Enables Synaptic Plasticity and Enhances Depolarization Following Tetanic Stimulation in the	Frontiers in Neural Circuits	14	24	2020

Kawano M, Tominaga T, Ishida M, Hori	Roles of Adenylate Cyclases in Ciliary Responses of Paramecium to Mechanical Stimulation	Journal of Eukaryotic Microbiology	67	532-540	2020
Kajiwara R, Tominaga T.	Perirhinal cortex area 35 controls the functional link between the perirhinal and entorhinal - hippocampal circuitry	BioEssays	43	2000084	2021
Ishida M, Hori M, Ooba Y, Kinoshita M, Matsutani T, Naito M, Hagimoto T, Miyazaki K, Ueda S, Miura K, Tominaga T.	A Functional Aqpl Gene Product Localizes on The Contractile Vacuole Complex in Paramecium multimicronucleatum	Journal of Eukaryotic Microbiology		e12843	2021
Saleh DM, Alexander WT, Numano T, Ahmed OHM, Gunasekaran S, Alexander DB, Abdelgied M, El-Gazzar AM, Takase H, Xu J, Naiki-Ito A, Takahashi S, Hirose	Comparative carcinogenicity study of a thick, straight-type and a thin, tangled-type multi-walled carbon nanotube administered by intra-tracheal instillation in the rat.	Part Fibre Toxicol.	17(1)	48	2020

Hayase Y, Amano S, Hashizume K, Tominaga T, Miyamoto H, Kanno Y, Ueno-Inoue Y, Inoue T, Yamada M, Ogata S, Balan S, Hayashi K, Miura Y, Tokudome K, Ohno Y, Nishijo T, Momiyama T, Yanagawa Y, Takizawa A, Mashimo T, Serikawa T, Sekine A, Nakagawa E, Takeshita E, Yoshikawa T, Waga C, Inoue K, Goto Y, Nabeshima Y, Ihara N, Yamakawa K, Taya S, Hoshino M.	Down syndrome cell adhesion molecule like-1 (DSCAML1) links the GABA system and seizure susceptibility	Acta Neuropathologica Communications	8	206	2020
Ikegami K, Goto T, Nakamura S, Watanabe Y, Sugimoto A, Majarune S, Horihata K, Nagae M, Tomikawa J, Imamura T, Sanbo M, Hirabayashi M, Inoue N, Maeda KI, Tsukamura H, Uenoyama Y	Conditional kisspeptin neuron-specific Kiss1 knockout with newly generated Kiss1-floxed and Kiss1-cre mice replicates a hypogonadal phenotype of global Kiss1 knockout mice	J Reprod Dev	66	359-367	2020
Hamazaki N, Kyogoku H, Araki H, Miura F, Horikawa C, Hamada N, Shimamoto S, Hikabe O, Nakashima K, Kitajima TS, Ito T, Leitch HG, Hayashi K	Reconstitution of the oocyte transcriptional network with transcription factors	Nature	589	264-269	2020

Nakayama K, Onishi H, Fujimura A, Imaizumi A, Kawamoto M, Oyama Y, Ichimiya S, Koga S, Fujimoto Y, Nakashima K, Nakamura M	NF κ B and TGF β contribute to the expression of PTPN3 in activated human lymphocytes	Cell Immunol	358	104237	2020
Takeuchi A, Takahashi Y, Iida K, Hosokawa M, Irie K, Ito M, Brown JB, Ohno K, Nakashima K, Hagiwara M	Identification of Qk as a Glial Precursor Cell Marker that Governs the Fate Specification of Neural Stem Cells to a Glial Cell Lineage	Stem Cell Rep	15	883-897	2020
Mishima Y, Brueckner L, Takahashi S, Kawakami T, Otani J, Shinohara A, Takeshita K,	Enhanced processivity of Dnmt1 by monoubiquitinated histone H3	Genes Cells	25	22-32	2020
Ideta-Otsuka M, Miyai M, Yamamoto N, Tsuchimoto A, Tamura H, Tanemura K, Shibutani M, Igarashi K.	Development of a new in vitro assay system for evaluating the effects of chemicals on DNA methylation.	J Toxicol Sci.	46	83-90	2021
Kaiho-Soma A, Akizuki Y, Igarashi K, Endo A, Shoda T, Kawase Y, Demizu Y, Naito M, Saeki Y, Tanaka K, Ohtake F.	TRIP12 promotes small-molecule-induced degradation through K29/K48-branched ubiquitin chains.	Mol Cell.	81	1411-1424	2021
Nock R, Polouliakh N, Nielsen F, Oka K, Connell CR, Heimhofer C, Shibanaï K, Ghosh S, Aisaki KI, Kitajima S, Kanno J, Akama T, Kitano H.	A Geometric Clustering Tool (AGCT) to robustly unravel the inner cluster structures of time-series gene expressions.	PLoS One.	15(7)	:e0233755	2020