２．業績論文（抜粋）

業績論文リスト

分野名	論　文
分子神経生物学分野(1)	Kato T, Abe Y, Hirokawa S, Iwakura Y, Mizuno M, Namba H, Nawa H. Neurobehavioral Differences Between Mice Receiving Distinct Neuregulin Variants as Neonates; Impact on Sensitivity to MK-801. Current Molecular Medicine 2015, 15, 222-236
分子神経生物学分野(2)	Sakai M, Watanabe Y, Someya T, Araki K, Shibuya M, Niizato K, Oshima K, Kunii Y, Yabe H, Matsumoto J, Wada A, Hino M, Hashimoto T, Hishimoto A, Kitamura N, Iritani S, Shirakawa O, Maeda K, Miyashita A, Niwa S, Takahashi H, Kakita A, Kuwano R , Nawa H. Assessment of copy number variations in the brain genome of schizophrenia patients. Sakai et al. Molecular Cytogenetics (2015) 8:46 DOI 10.1186/s13039-015-0144-5
細胞神経生物学分野(1)	Watanabe-Iida I, Konno K, Akashi K, Abe M, Natsume R, Watanabe M, Sakimura K. Determination of kainate receptor subunit ratios in mouse brain using novel chimeric protein standards. J Neurochem. 2015 Oct 8. doi: 10.1111/jnc.13384.
細胞神経生物学分野(2)	Kakegawa W, Mitakidis N, Miura E, Abe M, Matsuda K, Takeo YH, Kohda K, Motohashi J, Takahashi A, Nagao S, Muramatsu S, Watanabe M, Sakimura K, Aricescu AR, Yuzaki M. Anterograde c1ql1 signaling is required in order to determine and maintain a single-winner climbing fiber in the mouse cerebellum. Neuron. 2015 Jan 21;85(2):316-29. doi: 10.1016/j.neuron.2014.12.020.
細胞神経生物学分野(3)	Ageta-Ishihara N, Yamazaki M, Konno K, Nakayama H, Abe M, Hashimoto K, Nishioka T, Kaibuchi K, Hattori S, Miyakawa T, Tanaka K, Huda F, Hirai H, Hashimoto K, Watanabe M, Sakimura K, Kinoshita M. A CDC42EP4/septin-based perisynaptic glial scaffold facilitates glutamate clearance. Nat Commun. 2015 Dec 10;6:10090. doi: 10.1038/ncomms10090.
システム脳生理学分野(1)	Watanabe T, Sasaki M, Komagata S, Tsukano H, Hishida R, Kohno T, Baba H, Shibuki K, Spinal mechanisms underlying potentiation of hindpaw responses observed after transient hindpaw ischemia in mice. Scientific Reports 5, 11191, 2015.
システム脳生理学分野(2)	Tsukano H, Horie M, Bo T, Uchimura A, Hishida R, Kudoh M, Takahashi K, Takebayashi H, Shibuki K, Delineation of a frequency-organized region isolated from the mouse primary auditory cortex. J .Neurophysiol. 113, 2900-2920, 2015.
システム脳生理学分野(3)	Meguro R, Hishida R, Tsukano H, Yoshitake K, Imamura R, Tohmi M, Kitsukawa T, Hirabayashi T, Yagi T, Takebayashi H, Shibuki K, Impaired clustered protocadherin-a (cPcdh-a) leads to aggregated retinogeniculate terminals and impaired visual acuity in mice. J. Neurochem. 133, 66-72, 2015.
病理学分野/デジタル医学分野/脳疾患標本資源解析学分野(1)	Nakashima M, Saitsu H, Tohyama J, Kato M, Shiina M, Takei N, Kitaura H, Shirozu H, Masuda H, Watanabe K, Ohba C, Tsurusaki Y, Miyake N, Takebayashi H, Ogata K, Kameyama S, Kakita A*, Matsumoto N* (*: co-last authors). Somatic mutations in the MTOR gene cause focal cortical dysplasia type IIb. Annals of Neurology. 78(3): 375-386, 2015
病理学分野/デジタル医学分野/脳疾患標本資源解析学分野(2)	Ogura R, Tsukamoto Y, Natsumeda M, Isogawa M, Aoki H, Kobayashi T, Yoshida S, Okamoto K, Takahashi H, Fujii Y, Kakita A. Immunohistochemical profiles of IDH1, MGMT and P53: practical significance for prognostication of patients with diffuse gliomas. Neuropathology. 35(4): 324-335, 2015
病理学分野/デジタル医学分野/脳疾患標本資源解析学分野(3)	Kimura T, Kitaura H, Masuda H, Kameyama S, Saito Y, Sugai K, Otsuki T, Nakazawa A, Morota N, Yamamoto T, Iida K, Nakagawa M, Mizuno T, Takahashi H, Kakita A. Characteristic expression of p57/Kip2 in balloon cells in focal cortical dysplasia. Neuropathology. 35(5): 401-409, 2015
分子病態学(客員)分野(1)	Tanji K, Odagiri S, Miki Y, Maruyama A, Nikaido Y, Mimura J, Mori F, Warabi E, Yanagawa T, Ueno S, Itoh K, Wakabayashi K. p62 deficiency enhances α-synuclein pathology in mice. Brain Pathol 25: 552-564, 2015
分子病態学(客員)分野(2)	Nakamura K, Mori F, Kon T, Tanji K, Miki Y, Tomiyama M, Kurotaki H, Toyoshima Y, Kakita A, Takahashi H, Yamada M, Wakabayashi K. Filamentous aggregations of phosphorylated α-synuclein in Schwann cells (Schwann cell cytoplasmic inclusions) in multiple system atrophy. Acta Neuropathol Comm 3: 29, 2015
分子病態学(客員)分野(3)	Mori F, Miki Y, Tanji K, Kakita A, Takahashi H, Utsumi J, Sasaki H, Wakabayashi K. Sortilin-related receptor CNS expressed 2 (SorCS2) localizes in Bunina bodies in amyotrophic lateral sclerosis. Neurosci Lett 608: 6-11, 2015

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脳神経外科学分野(1)	Fukuda M, Takao T, Hiraishi T, Aoki H, Ogura R, Sato Y, Fujii Y. Cortico-cortical activity between the primary and supplementary motor cortex: An intraoperative near-infrared spectroscopy study. Surg Neurol Int 6: 44, 2015. DOI: 10.4103/2152-7806.153872.
脳神経外科学分野(2)	Ogura R, Tsukamoto Y, Natsumeda M, Isogawa M, Aoki H, Kobayashi T, Yoshida S, Okamoto K, Takahashi H, Fujii Y, Kakita A. Immunohistochemical profiles of IDH1, MGMT and P53: practical significance for prognostication of patients with diffuse gliomas. Neuropathology. 35(4): 324-335, 2015
脳神経外科学分野(3)	Nishiyama K, Yoshimura J, Fujii Y. Limitations of neuroendoscopic treatment for pediatric hydrocephalus and considerations from future perspectives. Neurol Med Chir 2015 (doi: 10.2176/nmc.ra.2014-0433)
神経内科学分野(1)	Kanazawa M, Kawamura K, Takahashi T, Miura M, Tanaka Y, Koyama M, Toriyabe M, Igarashi H, Nakada T, Nishihara M, Nishizawa M, Shimohata T. Multiple therapeutic effects of progranulin on experimental acute ischaemic stroke. Brain 2015;138:1932-1948.
神経内科学分野(2)	Hokari M, Yokoseki A, Arakawa M, Saji E, Yanagawa K, Yanagimura F, Toyoshima Y, Okamoto K, Ueki S, Hatase T, Ohashi R, Fukuchi T, Akazawa K, Yamada M, Kakita A, Takahashi H, Nishizawa M, Kawachi I. Clinicopathological features in anterior visual pathway in neuromyelitis optica. Annals of Neurology 2016;79(4):605-624. doi: 10.1002/ana.24608. PMID: 26836302.
神経内科学分野(3)	Ikeda T, Takahashi T, Tsujita M, Kanazawa M, Toriyabe M, Koyama M, Itoh K, Nakada T, Nishizawa M, Shimohata T. Effects of Alda-1, an Aldehyde Dehydrogenase-2 Agonist, on Hypoglycemic Neuronal Death. PLOS ONE 2015;10:e0128844.
統合脳機能研究センター(1)	Suzuki Y, Nakamura Y, Yamada K, Igarashi H, Kasuga K, Yokoyama Y, Ikeuchi T, Nishizawa M, Kwee IL, Nakada T. Reduced CSF Water Influx in Alzheimer's Disease Supporting the β-Amyloid Clearance Hypothesis. PLoS One. 10(5):e0123708, 2015.
統合脳機能研究センター(2)	Nakada T. The Molecular Mechanisms of Neural Flow Coupling: A New Concept. J Neuroimaging. 25(6):861-5, 2015.
統合脳機能研究センター(3)	Igarashi H, Suzuki Y, Huber VJ, Ida M, Nakada T. N-acetylaspartate Decrease in Acute Stage of Ischemic Stroke:A Perspective from Experimental and Clinical Studies. Magn Reson Med Sci. 14(1):13-24, 2014.
遺伝子機能解析学分野/ 生命情報工学分野(1)	Sato Y, Bernier F, Yamanaka Y, Aoshima K, Oda Y, Ingelsson M, Lannfelt L, Miyashita A, Kuwano R, Ikeuchi T. Reduced plasma desmosterol-to-cholesterol ratio and longitudinal cognitive decline in Alzheimer's disease. Alzheimer's & Dementia: Diagnosis, Assessment & Disease Monitoring 1:67-74, 2015
遺伝子機能解析学分野/ 生命情報工学分野(2)	Kasuga K, Kikuchi M, Tokutake T, Nakaya A, Tezuka T, Tsukie T, Hara N, Miyashita A, Kuwano R, Ikeuchi T. Systematic review and meta-analysis of Japanese familial Alzheimer's disease and FTDP-17. Journal of Human Genetics 60:281-283, 2015
遺伝子機能解析学分野/ 生命情報工学分野(3)	Yajima R, Tokutake T, Koyama A, Kasuga K, Tezuka T, Nishizawa M, Ikeuchi T. ApoE-isoform-dependent cellular uptake of amyloid-b is mediated by lipoprotein receptor LR11/SorLA. Biochemical Biophysical Research Communications 456:482-488, 2015
動物資源開発研究分野(1)	Chiken S, Sato A, Ohta C, Kurokawa M, Arai S, Maeshima J, Sunayama-Morita T, Sasaoka T, Nambu A. Dopamine D1 receptor-mediated transmission maintains information flow through the cortico-striato-entopeduncular direct pathway to release movements. Cerebral Cortex 2015 Dec; Vol.25 No.12:4885-97. doi:
動物資源開発研究分野(2)	Nakamura T, Sato A, Kitsukawa T, Sasaoka T, Yamamori T. Expression pattern of immediate early genes in the cerebellum of D1R KO, D2R and wild type KO mice under various conditions. Frontiers in Cell and Developmental Biology.Vol.3, Article 38, June 2015 doi: 10.3389/fcell.2015.00038
動物資源開発研究分野(3)	Hayashiji N, Yuasa S, Miyagoe-Suzuki Y, Hara M, Ito N, Hashimoto H, Kusumoto D, Seki T, Tohyama S, Kodaira M, Kunitomi A, Kashimura S, Takei M, Saito Y, Okata S, Egashira T, Endo J, Sasaoka T, Takeda S and Fukuda K. G-CSF supports long-term muscle regeneration in mouse models of muscular dystrophy. Nature Communications 2015
プロジェクト研究分野(1)	Natsumeda M, Maitani K, Liu Y, Miyahara H, Kaur H, Chu Q, Zhang H, Kahlert U, Eberhart CG. Targeting Notch Signaling and Autophagy Increases Cytotoxicity in Glioblastoma Neurospheres. Brain Pathol. 2015 Nov 27. p 1-p11