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生体機能研究部門

論 文

〔原 著〕

Fukabori R, Iguchi Y, Kato S, Takahashi K, Eifuku S, Tsuji S, Hazama A, Uchigashima M, Watanabe M, Mizuma H, Cui Y, Onoe H, Hikishima K, Yasoshima Y, Osanai M, Inagaki R, Fukunaga K, Nishijo T, Momiyama T, Benton R, Kobayashi K. Enhanced emotional memory retrieval by chemogenetic activation of locus coeruleus norepinephrine neurons. *bioRxiv*. 20191105; doi: <https://doi.org/10.1101/831313>.

Hirata T, Shioi G, Abe T, Kiyonari H, Kato S, Kobayashi K, Mori K, Kawasaki T. A Novel Birthdate-Labeling Method Reveals Segregated Parallel Projections of Mitral and External Tufted Cells in the Main Olfactory System. *eNeuro*. 201911; 6(6):ENEURO.0234-19.2019.

Kikuta S, Iguchi Y, Kakizaki T, Kobayashi K, Yanagawa Y, Takada M, Osanai M. Store-operated calcium channels are involved in spontaneous slow calcium oscillations in striatal neurons. *Frontiers in Cellular Neuroscience-Cellular Neurophysiology*. 201912; 13:547.

Soma S, Yoshida J, Kato S, Takahashi Y, Nonomura S, Sugimura YK, Ríos A, Kawabata M, Kobayashi K, Kato F, Sakai Y, Isomura Y. Ipsilateral-Dominant Control of Limb Movements in Rodent Posterior Parietal Cortex. *Journal of Neuroscience*. 201901; 39(3):485-502.

Kato S, Sugawara M, Kobayashi K, Kimura K, Inoue KI, Takada M, Kobayashi K. Enhancement of the transduction efficiency of a lentiviral vector for neuron-specific retrograde gene delivery through the point mutation of fusion glycoprotein type E. *Journal of Neuroscience Methods*. 201901; 311:147-155.

Sakayori N, Kato S, Sugawara M, Setogawa S, Fukushima H, Ishikawa R, Kida S, Kobayashi K. Motor skills mediated through cerebellothalamic tracts projecting to the central lateral nucleus. *Molecular Brain*. 201902; 12(1):13.

Kamiya A, Hayama Y, Kato S, Shimomura A, Shimomura T, Irie K, Kaneko R, Yanagawa Y, Kobayashi K, Ochiya T. Genetic manipulation of autonomic nerve fiber innervation and activity and its effect on breast cancer progression. *Nature Neuroscience*. 201908; 22(8):1289-1305.

Tanabe S, Uezono S, Tsuge H, Fujiwara M, Miwa M, Kato S, Nakamura K, Kobayashi K, Inoue KI, Takada M. A note on retrograde gene transfer efficiency and inflammatory response of lentiviral vectors pseudotyped with FuG-E vs FuG-B2 glycoproteins. *Scientific Reports*. 201903; 9(1):3567.

Maejima Y, Kato S, Horita S, Ueta Y, Takenoshita S, Kobayashi K, Shimomura K. The hypothalamus to brainstem circuit suppresses late-onset body weight gain. *Scientific Reports*. 201912; 9(1):18360.

研究発表等

〔研究発表〕

Kato S, Fukabori R, Nishizawa K, Okada K, Yoshioka N, Sugawara M, Maejima Y, Shimomura K, Okamoto M, Eifuku S, Kobayashi K. Intralaminar thalamic neuron plays the action selection and flexible behavioral controls. *Neuroscience* 2019; 20191023; Chicago, USA.

菅原正晃, 加藤成樹, 木村 慧, 井上謙一, 高田昌彦, 小林和人. 融合糖タンパク質 E 型変異体を用いた神経特異的逆行性ウイルスベクターによるマーモセット脳内への遺伝子導入効率の向上. 第 8 回マーモセット研究会; 20190206-07; 東京.

Kato S, Sugawara M, Kobayashi K. Behavioral regulation through molecular genetic manipulation of selective neural circuit. 第 42 回日本神経科学大会; 20190726; 新潟.

加藤成樹, 小林和人. 特定神経標識のための新しいベクター開発とその応用 / Development and application of new type vector for neural circuitry labeling. 第 42 回日本分子生物学会; 20191204; 福岡.

〔シンポジウム〕

Iguchi Y, Kobayashi K. Enhanced retrieval of learned emotional memory by chemogenetic activation of locus coeruleus noradrenergic neurons. Symposium: Diverse Physiological and Pathophysiological Roles in Noradrenergic Neurons; The 19th Annual Meeting of JSNP; 20191011-12; Fukuoka.

加藤成樹, 小林和人. 学習行動の獲得および行動柔軟性を司る神経回路の機能制御. 第 92 回日本薬理学会年会; 20190316; 大阪.

放射性同位元素研究施設

論 文

〔原 著〕

Ogura M, Kikuchi H, Shakespear N, Suzuki T, Yamaki J, Homma MK, Oshima Y, Homma Y. Prenylated quinolinecarboxylic acid derivative prevents neuronal cell death through inhibition of MKK4. *Biochemical Pharmacology*. 201904; 162:109-122.

Sekimata M, Yoshida D, Araki A, Asao H, Iseki K, Murakami-Sekimata A. Runx1 and ROR γ t cooperate to upregulate IL-22 expression in Th cells through its distal enhancer. *Journal of Immunology*. 201906; 202(11):3198-3210.