

平成 23 年度（2011 年）

[原著論文]

Usui, N., Watanabe, K., Ono, K., Tomita, K., Tamamaki, N., Ikenaka, K., *Takebayashi, H. Role of motoneuron-derived NT-3 in survival and axonal projection of sensory neurons during neural circuit formation. *Development* (in press)

Inamura, N., Sugio, S., Macklin, W.B., Tomita, K., *Tanaka, K.F., Ikenaka, K. Gene induction in mature oligodendrocytes with a PLP-tTA mouse line. *Genesis* (in press)

Gotoh, H., Ueda, T., Uno, A., Ohuchi, H., Ikenaka, K., *Ono, K. Expression of myelin genes in the developing chick retina. *Gene Expr. Patterns* **11**, 471-5 (2011)

*Hitoshi, S., Ishino, Y., Kumar, A., Jasmine, S., Tanaka, K.F., Kondo, T., Kato, S., Hosoya, T., Hotta, Y., Ikenaka, K. Mammalian Gcm genes induce Hes5 expression by active DNA demethylation and induce neural stem cells. *Nat. Neurosci.* **14**, 957-64 (2011)

Ma, J., Tanaka, K.F., Shimizu, T., Bernard, C.C., Kakita, A., Takahashi, H., Pfeiffer, S.E., *Ikenaka, K. Microglial cystatin F expression is a sensitive indicator for ongoing demyelination with concurrent remyelination. *J. Neurosci. Res.* **89**, 639-49 (2011)

Inamura, N., Ono, K., Takebayashi, H., Zalc, B., *Ikenaka, K. Olig2-lineage cells generate GABAergic neurons in the prethalamic nuclei, including the zona incerta, ventral lateral geniculate nucleus and reticular thalamic nucleus. *Dev. Neurosci.* **33**, 118-29 (2011)

Gotoh, H., Ono, K., Takebayashi, H., Harada, H., Nakamura, H. *Ikenaka, K. Genetically-defined lineage tracing of Nkx2.2-expressing cells in chick spinal cord. *Dev. Biol.* **349**, 504-511 (2011)

[国際学会]

1. Hitoshi, S., Ishino, Y. & Ikenaka, K.: Mammalian glial cells missing genes induce HES5 expression by active DNA demethylation in early mouse embryos. ISSCR 9th Annual Meeting. 2011. 6. 16, Toronto, Canada.
2. Inamura, N., Lee, H. E., Tanaka, K. F., Furuya, K., Sokabe, M. & Ikenaka, K.: Mechanisms underlying ATP Release From Cultured Astrocyte. ISN-ESN 2011 23rd Biennial Meeting, 2011. 8. 29, Athens, Greece.
3. Sugio, S., Tanaka, K. F., Watanabe, M. & Ikenaka, K.: The Role of Bergmann Glia in Cerebellar Development. ISN-ESN 2011 23rd Biennial Meeting, 2011. 8. 29, Athens, Greece.
4. Usui, N., Watanabe, K., Ono, K., Tamamaki, N., Ikenaka, K. & Takebayashi, H.: Role of Motoneuron-Derived NT-3 on Sensory Neuron Development. ISN-ESN 2011 23rd Biennial Meeting, 2011. 8. 30, Athens, Greece.
5. Ikenaka, K., Shimizu, T., Jianmei, M. & Tanaka, K. F.: Role of Cystatin F in Demyelinating Diseases. ISN-ESN 2011 23rd Biennial Meeting, 2011. 8. 30, Athens, Greece.
6. Yoshimura, T., Narumi, M., Yagi, H., Kitamura, K., Sedzik, J., Kato, K. & Ikenaka, K.: Structure Determination of N-Glycans on A Few Pmol Glycoprotein and Its Application to the Structural Analysis of N-Glycans on P0. ISN-ESN 2011 23rd Biennial Meeting, 2011. 8. 30, Athens, Greece.

[国内学会]

1. 吉村武、鳴海麻衣、矢木宏和、北村邦男、Jan Sedzik、加藤晃一、池中一裕: 末梢神経髓鞘の主要構成蛋白質、myelin protein zero の糖鎖構造. 第 30 回日本糖質学会年会, 長岡.
2. 等誠司、石野雄吾、池中一裕: Glial cells missing 遺伝子による Hes5 遺伝子プロモーターの脱メチル化を介する神経細胞の誘導. 第 54 回日本神経化学会(石川)大会 2001. 9. 28, 加賀.
3. ウィゼスミス ウィライワン、清水崇弘、田中謙二、池中一裕: マウスにおける Cathepsin C 遺伝子の操作. 第 54 回日本神経化学会(石川)大会, 2011. 9. 26, 加賀.

4. 杉尾翔太、田中謙二、渡辺雅彦、池中一裕: 小脳発生におけるバーグマングリアの役割. 第 54 回日本神経化学会(石川)大会, 2011. 9. 27, 加賀.
5. Shimizu, T., Tanaka, K. F., Ma, J. & Ikenaka, K.: Exploring the role of cystatin F in demyelination disease. 第 54 回日本神経化学会(石川)大会, 2011. 9. 26, 加賀.
6. 白井紀好、渡辺啓介、小野勝彦、富田江一、玉巻伸章、池中一裕、竹林浩秀: 感覚神経発生における運動ニューロン由来 NT-3 の役割. 第 34 回日本神経科学大会, 2011. 9. 15, 横浜.