

原著論文

1. Morinaka, A, Yamada, M., Itofusa, R., Funato, Y., Yoshimura, Y., Nakamura, F., Yoshimura, T., Kaibuchi, K., Goshima, Y., Hoshino, M., Kamiguchi, H. & *Miki, H. Thioredoxin mediates oxidation-dependent phosphorylation of CRMP2 and growth cone collapse. *Sci Signal*. **4** (170), ra26 (2011)
2. Goto, A., Hoshino, M., Matsuda, M. & *Nakamura, T. Phosphorylation of STEF/Tiam2 by protein kinase A is critical for Rac1 activation and neurite outgrowth in dibutyryl cAMP-treated PC12D cells. *Mol Biol Cell*. **22**, 1780-1790 (2011)
3. Komine, O., Nagaoka, M., Hiraoka, Y., Hoshino, M., Kawaguchi, Y., Pear, W. S. & *Tanaka K. RBP-J promotes the maturation of neuronal progenitors. *Dev Biol*. **354**, 44-54 (2011)
4. Matsumoto, A., Susaki, E., Onoyama, I., Nakayama, K., Hoshino, M. & *Nakayama, K. I. Deregulation of the p57-E2F1-p53 axis results in nonobstructive hydrocephalus and cerebellar malformation in mice. *Mol Cell Biol*. **31**, 4176-4192 (2011)
5. Bjerknes, M., Khandanpour, C., Möröy, T., Fujiyama, T., Hoshino, M., Klisch, T. J., Ding, Q., Gan, L., Wang, J., Martín, M. G. & *Cheng, H. Origin of the brush cell lineage in the mouse intestinal epithelium. *Dev Biol*. **362**, 194-218 (2011)

著書・総説

1. *Hoshino, M. Neuronal subtype specification in the cerebellum and dorsal hindbrain. *Dev Growth Differ*, in press
2. *Hoshino, M., Seto, Y. & Yamada, M. Specification of cerebellar and precerebellar neurons. *HANDBOOK OF THE CEREBELLUM AND CEREBELLAR DISORDERS*, Springer, in press
3. *星野幹雄. 小脳発達の分子機構と小脳無形成モデルマウス"セレベレス". 医学のあゆみ. 239, 6, 670-674 (2011)
4. *星野幹雄. 小脳皮質のないマウス「セレベレス」. (株)エル・アイ・シー モデル動物利用マニュアル・疾患モデルの作成と利用・脳神経疾患 269-276 (2011)

国際学会

1. Hoshino, M. Roles of transcription factors in specifying neuron subtypes in the cerebellar system. 4th International Symposium of the Society for Research on the Cerebellum, September 18th, 2011, Sanjo-Kaikan, University of Tokyo, Tokyo (Invited speaker).
2. Yamada, M., Taya, S., Owa, T., Kawaguchi, Y., Nabeshima, Y., Hoshino, M. Spatial specification of cerebellar neuroepithelium by bHLH transcription factors, Ptf1a and Atoh1, during development. 4th International Symposium of the Society for Research on the Cerebellum, September 18th, 2011, Sanjo-Kaikan, University of Tokyo, Tokyo (Poster).
3. Owa, T., Taya, S., Nishioka, T., Kaibuchi, K., Hoshino, M. Searching for novel binding partners of Atoh1 and Ptf1a, cerebellar development-related proteins using Proteomic analyse. th International Symposium of the Society for Research on the Cerebellum, September 18th, 2011, Sanjo-Kaikan, University of Tokyo, Tokyo (Poster).
4. Seto, Y., Nakatani, T., Masuyama, N., Minaki, Y., Hamaguchi, A., Kawaguchi, Y., Ikenaka, K., Takebayashi, H., Ishiwata, S., Ono, Y., Hoshino, M. Gsh1 and Olig2 regulate cell fate decisions in embryonic cerebellum. 4th International Symposium of the Society for Research on the Cerebellum, September 18th, 2011, Sanjo-Kaikan, University of Tokyo, Tokyo (Poster).

国内学会

1. 藤山 知之, 長岡 麻衣, 熊ノ郷 晴子, 柳川 右千夫, Mark Magnuson, 小幡 邦彦, 川口 義弥, 鍋島 陽一, 星野 幹雄. Genetic studies on the Development and Function of the Hypothalamus using Ptf1a-Cre & -flox knock-in mice. 第34回 日本神経科学大会, パシフィコ横浜 9/14-9/17, 2011.
2. Owa, T., Taya, S., Nishioka, T., Kaibuchi, K., Hoshino, M. Proteomic analyses of novel binding partners of Atoh1 and Ptf1a, cerebellar development-related proteins. 第34回 日本神経科学大会, パシフィコ横浜 9/14-9/17, 2011.
3. Seto, Y., Nakatani, T., Masuyama, N., Minaki, Y., Hamaguchi, A., Kawaguchi, Y., Ikenaka, K., Takebayashi, H., Ishiwata, S., Ono, Y., Hoshino, M. Gsh1 and Olig2 regulate cell fate decisions in embryonic cerebellum. 包括脳 夏のワークショップ

8月22日, 2011.

4. 藤山知之、長岡麻衣、熊ノ郷晴子、柳川右千夫、マーク マク `ヌソン、小幡邦彦、川口義弥、鍋島陽一、星野幹雄. Ptfla ミュータントマウスを用いた視床下部の発生および `機能の解析. 第34回 日本分子生物学会年会、2011年12月13日 パシフィコ横浜.
5. 瀬戸裕介、中谷智哉、増山典久、皆木康子、熊井実、濱口晶子、マーク マグヌソン、川口義弥、池中一裕、竹林浩秀、石渡信一、尾野雄一、星野幹雄. Olig2 and Gsh1 regulate cell fate decisions in embryonic cerebellum. 第34回 日本分子生物学会年会、2011年12月13日 パシフィコ横浜.