Publication List

(Version April 8, 2009)

1. Original Articles (Written in English)

1) Yuki Kambe, **Noritaka Nakamichi**, Takeshi Takarada, Ryo Fukumori and Yukio Yoneda: Induced tolerance to glutamate neurotoxicity through down-regulation of NR2 subunits of N-methyl-D-aspartate receptors in cultured rat striatal neurons. ***J. Neurosci. Res.***, in press, 2010.

2) Ryo Fukumori*, **Noritaka Nakamichi***, Takeshi Takarada, Yuki Kambe, Nobuyuki Matsushima, Nobuaki Moriguchi and Yukio Yoneda: Inhibition by 2-methoxy-4-ethylphenol of Ca^{2+} influx through acquired and native N-methyl-D-aspartate-receptor channels. ***J. Pharmacol. Sci.***, 112(3), 273-281, 2010. *Equally contributed.

3) Kazuhiro Takuma, Fang Fang, Wensheng Zhang, Shiqiang Yan, Emiko Fukuzaki, Heng Du, Alexander Sosunov, Guy McKhann, Yoko Funatsu, **Noritaka Nakamichi**, Taku Nagai, Hiroyuki Mizoguchi, Daisuke Ibi, Osamu Hori, Satoshi Ogawa, David M. Stern, Kiyofumi Yamada and Shirley ShiDu Yan: RAGE-mediated signaling contributes to intraneuronal transport of amyloid-β and neuronal dysfunction. ***Proc. Natl. Acad. Sci. U.S.A.***, 106(47), 20021-20026, 2009.

4) Takeshi Takarada*, Keisuke Tamaki*, Toru Takumi, Masato Ogura, Yuma Ito, **Noritaka Nakamichi** and Yukio Yoneda: A protein-protein interaction of stress-responsive myosin VI endowed to inhibit neural progenitor self-replication with RNA binding protein, TLS, in murine hippocampus. ***J. Neurochem.***, 110(5), 1457-1468, 2009. *Equally contributed.

5) **Noritaka Nakamichi**, Yukichi Ishioka, Takao Hirai, Shusuke Ozawa, Masaki Tachibana, Nobuhiro Nakamura, Takeshi Takarada and Yukio Yoneda: Possible promotion of neuronal differentiation in fetal rat brain neural progenitor cells after sustained exposure to static magnetism. ***J. Neurosci. Res.***, 87(11), 2406-2417, 2009.

6) Bin Gu*, **Noritaka Nakamichi***, Wen-Sheng Zhang, Yukary Nakamura, Yuki Kambe, Ryo Fukumori, Kazuhiro Takuma, Kiyofumi Yamada, Takeshi Takarada, Hideo Taniura and Yukio Yoneda: Possible protection by notoginsenoside R1 against neurotoxicity of N-methyl-D-aspartate receptor composed of an NR1/NR2B heteromeric assembly. ***J. Neurosci. Res.***, 87(9), 2145-2156, 2009. *Equally contributed.

7) **Noritaka Nakamichi***, Kohei Yoshida*, Yukichi Ishioka, Juliet O. Makanga, Masaki Fukui, Masanori Yoneyama, Tomoya Kitayama, Nobuhiro Nakamura, Hideo Taniura and Yukio Yoneda: Group III metabotropic glutamate receptor activation suppresses self-replication of undifferentiated neocortical progenitor cells. ***J. Neurochem.***, 105(5), 1996-2012, 2008. *Equally contributed.

8) Masaki Fukui*, **Noritaka Nakamichi***, Masanori Yoneyama, Kohei Yoshida, Shusuke Ozawa, Tomoya Kitayama, Nobuhiro Nakamura, Hideo Taniura and Yukio Yoneda: Upregulation of ciliary neurotrophic factor expression by $GABA_A$ receptors in undifferentiated neural progenitors of fetal mouse brain. ***J. Neurosci. Res.***, 86(12), 2615-2623, 2008. *Equally contributed.

9) Yuki Kambe, **Noritaka Nakamichi**, Danko D. Georgiev, Nobuhiro Nakamura, Hideo Taniura and Yukio Yoneda: Insensitivity to glutamate neurotoxicity mediated by N-methyl-D-aspartate receptors in association with delayed mitochondrial membrane potential disruption in cultured rat cortical neurons. ***J. Neurochem.***, 105(5), 1886-1900, 2008.

10) Masanori Yoneyama*, **Noritaka Nakamichi***, Masaki Fukui, Tomoya Kitayama, Danko D. Georgiev, Juliet O. Makanga, Nobuhiro Nakamura, Hideo Taniura and Yukio Yoneda: Promotion of neuronal differentiation through activation of NMDA receptors transiently expressed by undifferentiated neural progenitor cells in fetal rat neocortex. ***J. Neurosci. Res.***, 86(11), 2392-2402, 2008. *Equally contributed.

11) Masaki Fukui*, **Noritaka Nakamichi***, Masanori Yoneyama, Shusuke Ozawa, Sayumi Fujimori, Yoshifumi Takahata, Nobuhiro Nakamura, Hideo Taniura and Yukio Yoneda: Modulation of cellular proliferation and differentiation through GABAB receptors expressed by undifferentiated neural progenitor cells isolated from fetal mouse brain. ***J. Cell. Physiol.***, 216(2), 507-519, 2008. *Equally contributed.

12) Keisuke Tamaki, Kiyofumi Yamada, **Noritaka Nakamichi**, Hideo Taniura and Yukio Yoneda: Transient suppression of progenitor cell proliferation through NMDA receptors in hippocampal dentate gyrus of mice with traumatic stress experience. ***J. Neurochem.***, 105(5), 1642-1655, 2008.

13) Keisuke Tamaki, Masaki Kamakura, **Noritaka Nakamichi**, Hideo Taniura and Yukio Yoneda: Upregulation of Myo6 expression after traumatic stress in mouse hippocampus. ***Neurosci. Lett.***, 433(3), 183-187, 2008.

14) Chie Sugiyama*, **Noritaka Nakamichi***, Masato Ogura, Eriko Honda, Sayaka Maeda, Hideo Taniura and Yukio Yoneda: Activator protein-1 responsive to the group II metabotropic glutamate receptor subtype in association with intracellular calcium in cultured rat cortical neurons. ***Neurochem. Int.***, 51(8), 467-475, 2007. *Equally contributed.

15) Nobuyuki Matsushima*, **Noritaka Nakamichi***, Yuki Kambe, Katsura Takano, Nobuaki Moriguchi and Yukio Yoneda: Cytoprotective properties of phenolic antidiarrheic ingredients in cultured astrocytes and neurons of rat brains. ***Eur. J. Pharmacol.***, 567(1-2), 59-66, 2007. *Equally contributed.

16) Masato Ogura*, Hideo Taniura*, **Noritaka Nakamichi** and Yukio Yoneda: Upregulation of the glutamine transporter through transactivation mediated by cAMP/protein kinase A signals toward exacerbation of vulnerability to oxidative stress in rat neocortical astrocytes. ***J. Cell. Physiol.***, 212(2), 375-385, 2007. *Equally contributed.

17) Masanori Yoneyama*, Masaki Fukui*, **Noritaka Nakamichi**, Tomoya Kitayama, Hideo Taniura and Yukio Yoneda: Activation of $GABA_A$ receptors facilitates astroglial differentiation induced by ciliary neurotrophic factor in neural progenitors isolated from fetal rat brain. ***J. Neurochem.***, 100(6), 1667-1679, 2007. *Equally contributed.

18) Taku Nagai, Kazuhiro Takuma, Hiroyuki Kamei, Yukio Ito, **Noritaka Nakamichi**, Daisuke Ibi, Yutaka Nakanishi, Masaaki Murai, Hiroyuki Mizoguchi, Toshitaka Nabeshima and Kiyofumi Yamada: Dopamine D1 receptors regulate protein synthesis-dependent long-term recognition memory via extracellular signal-regulated kinase 1/2 in the prefrontal cortex. ***Learn Mem.***, 14(2), 117-125, 2007.

19) **Noritaka Nakamichi** and Yukio Yoneda: Maturation-dependent reduced responsiveness of intracellular free Ca^{2+} ions to repeated stimulation by N-methyl-D-aspartate in cultured rat cortical neurons. ***Neurochem. Int.***, 49(3), 230-237, 2006.

20) Liyang Wang*, Eiichi Hinoi*, Akihiro Takemori, **Noritaka Nakamichi** and Yukio Yoneda: Glutamate inhibits chondral mineralization through apoptotic cell death mediated by retrograde operation of the cystine/glutamate antiporter. ***J. Biol. Chem.***, 281(34), 24553-24565, 2006. *Equally contributed.

21) Taku Nagai*, Mina Ito*, **Noritaka Nakamichi**, Hiroyuki Mizoguchi, Hiroyuki Kamei, Ayumi Fukakusa, Toshitaka Nabeshima, Kazuhiro Takuma and Kiyofumi Yamada: The Rewards of Nicotine: Regulation by Tissue Plasminogen Activator-Plasmin System through Protease Activated Receptor-1. ***J. Neurosci.***, 26(47), 12374-12383, 2006. *Equally contributed.

22) Mina Ito*, Taku Nagai*, Hiroyuki Kamei, **Noritaka Nakamichi**, Toshitaka Nabeshima, Kazuhiro Takuma and Kiyofumi Yamada: Involvement of tissue plasminogen activator-plasmin system in depolarization-evoked dopamine release in the nucleus accumbens of mice. ***Mol. Pharmacol.***, 70(5), 1720-1725, 2006. *Equally contributed.

23) Masato Ogura, **Noritaka Nakamichi**, Katsura Takano, Hirotaka Oikawa, Yuki Kambe, Yu Ohno, Hideo Taniura and Yukio Yoneda: Functional expression of a glutamine transporter responsive to downregulation by lipopolysaccharide through reduced promoter activity in cultured rat neocortical astrocytes. ***J. Neurosci. Res.***, 83(8), 1447-1460, 2006.

24) Yasuaki Goto*, Hideo Taniura*, Kiyofumi Yamada, Takao Hirai, Noriko Sanada, **Noritaka Nakamichi** and Yukio Yoneda: The magnetism responsive gene Ntan1 in mouse brain. ***Neurochem. Int.***, 49(4), 334-341, 2006. *Equally contributed.

25) Hideo Taniura, Minoru Ito, Noriko Sanada, Nobuyuki Kuramoto, Yu Ohno, **Noritaka Nakamichi** and Yukio Yoneda: Chronic vitamin D3 treatment protects against neurotoxicity by glutamate in association with upregulation of vitamin D receptor mRNA expression in cultured rat cortical neurons. ***J. Neurosci. Res.***, 83(7), 1179-1189, 2006.

26) **Noritaka Nakamichi***, Yuki Kambe*, Hirotaka Oikawa, Masato Ogura, Katsura Takano, Keisuke

Tamaki, Maki Inoue, Eiichi Hinoi and Yukio Yoneda: Protection by exogenous pyruvate through a mechanism related to monocarboxylate transporters against cell death induced by hydrogen peroxide in cultured rat cortical neurons. ***J. Neurochem.***, 93(1), 84-93, 2005. *Equally contributed.

27) Nobuyuki Kuramoto, Keita Kubo, Kiyokazu Ogita, Jan Platenik, Vladimir J. Balcar, Takeshi Takarada, **Noritaka Nakamichi** and Yukio Yoneda: Nuclear condensation of cyclic AMP responsive element binding protein in murine discrete brain structures. ***J. Neurosci. Res.***, 80(5), 667-676, 2005.

28) Hirotaka Oikawa, **Noritaka Nakamichi**, Yuki Kambe, Masato Ogura and Yukio Yoneda: An increase in intracellular free calcium ions by nicotinic acetylcholine receptors in a single cultured rat cortical astrocyte. ***J. Neurosci. Res.***, 79(4), 535-544, 2005.

29) **Noritaka Nakamichi**, Glyn Chidlow and Neville N. Osborne: Effects of intraocular injection of a low concentration of zinc on the rat retina. ***Neuropharmacol.***, 45(5), 637-648, 2003.

30) **Noritaka Nakamichi**, Hiroshi Ohno, Yoichi Nakamura, Takao Hirai, Nobuyuki Kuramoto and Yukio Yoneda: Blockade by ferrous iron of Ca^{2+} influx through N-methyl-D-aspartate receptor channels in immature cultured rat cortical neurons. ***J. Neurochem.***, 83(1), 1-11, 2002.

31) **Noritaka Nakamichi**, Hiroshi Ohno, Nobuyuki Kuramoto and Yukio Yoneda: Dual mechanisms of Ca^{2+} increases elicited by N-methyl-D-aspartate in immature and mature cultured cortical neurons. ***J. Neurosci. Res.***, 67(2), 275-283, 2002.

32) **Noritaka Nakamichi**, Takayuki Manabe and Yukio Yoneda: Nuclear degradation of particular Fos family members expressed following injections of NMDA and kainate in murine hippocampus. ***Neurochem. Res.***, 27(1-2), 131-138, 2002.

33) Takao Hirai, **Noritaka Nakamichi** and Yukio Yoneda: Activator protein-1 complex expressed by magnetism in cultured rat hippocampal neurons. ***Biochem. Biophys. Res. Commun.***, 292(1), 200-207, 2002.

34) Takayuki Manabe, Kiyokazu Ogita, **Noritaka Nakamichi** and Yukio Yoneda: Differential in vitro degradation of particular Fos family members expressed by kainic acid in nuclear and cytosolic fractions of murine hippocampus. ***J. Neurosci. Res.***, 64(1), 34-42, 2001.

35) Takayuki Manabe, Nobuyuki Kuramoto, **Noritaka Nakamichi**, Katsuhide Aramachi, Katsuhiro Baba, Takao Hirai, Masanori Yoneyama and Yukio Yoneda: Degradation of c-Fos protein expressed by N-methyl-D-aspartic acid in nuclear fractions of murine hippocampus. ***Brain Res.***, 905(1-2), 34-43, 2001.

2. Review Articles and Book Chapters (Written in English)

1) **Noritaka Nakamichi** and Yukio Yoneda: Glutamatergic signaling in neurogenesis. ***Neurovascular Medicine,*** (Maiese K., ed.), 2009, pp. 269-288, Oxford University Press, New York.

2) **Noritaka Nakamichi**, Takeshi Takarada and Yukio Yoneda: Neurogenesis mediated by GABA and glutamate signaling. ***J. Pharmacol. Sci.***, 110(2), 133-149, 2009.

3) **Noritaka Nakamichi** and Yukio Yoneda: Functional proteins involved in regulation of intracellular Ca^{2+} for drug development: Desensitization of N-methyl-D-aspartate receptor channels. ***J. Pharmacol. Sci.***, 97(3), 348-350, 2005.

4) **Noritaka Nakamichi**, Hirotaka Oikawa, Yuki Kambe and Yukio Yoneda: Relevant modulation by ferrous ions of N-methyl-D-aspartate receptors in ischemic brain injuries. ***Curr. Neurovasc. Res.***, 1(5), 429-440, 2004.

5) **Noritaka Nakamichi** and Yukio Yoneda: Transcription factors and drugs in the brain. ***Jpn. J. Pharmacol.***, 89(4), 337-348, 2002.

6) Eiichi Hinoi, Vladimir J. Balcar, Nobuyuki Kuramoto, **Noritaka Nakamichi** and Yukio Yoneda: Nuclear transcription factors in the hippocampus. ***Prog. Neurobiol.***, 68(2), 145-165, 2002.

3. Original Article (Written in Japanese)

1) **中道 範隆**, 及川 弘崇, 神戸 悠輝, 大野 悠, 米田 幸雄: 大脳皮質由来培養神経細胞における遊離二価鉄イオンによる N-methyl-D-aspartate 受容体チャネルの開口調節機構. ***日本神経精神薬理学雑誌***, 25(2), 105-113, 2005.

4. Book Chapter (Written in Japanese)

1) **中道 範隆**, 米田 幸雄: 第 6 章 アミノ酸伝達物質. ***クーパー・ブルーム・ロス 神経薬理学***（樋口 宗史 監訳）, 2005, pp. 95-134, メディカル・サイエンス・インターナショナル, 東京.