**노다** [**마미**](http://www.molecularhydrogeninstitute.com/dr-mami-noda-phd) **박사,** [**규슈대학 약학부**](http://www.molecularhydrogeninstitute.com/dr-mami-noda-phd)


“저는 약학에 30년 넘게 종사해 왔습니다. 록펠러대 박사후 연구원을 거쳐 1997년 '알칼린 이온화수'가 처음 연구된 규슈대에서 연구를 했습니다. 마케팅에 담긴 허위 정보가 상당 부분 있었고, 일본에서도 꽤 인기를 끌었지만, 여전히 회의적이었습니다. 하지만 2005년, 동료가 파킨슨병 환자로부터 이런 종류의 물을 마셔온 흥미로운 데이터를 공유했고, 이 계기로 그 효과를 조사하게 되었습니다.

우리는 H2 가스가 과정 중에 생산된다는 것을 알았지만, 특히 수소가 물에서 극히 낮은 용해도(SATP에서 0.8mM)를 고려할 때 H2가 생물학적 영향을 미칠 수 있다고 생각하지 않았습니다.

그러나 물의 여러 변수(예: 마그네슘, pH, H2 등)를 테스트한 결과, H2만이 파킨슨병 모델에서 볼 수 있는 이점을 발휘하고 있다는 것을 확인했습니다. 이것은 H2의 치료 효과를 입증한 2007년 네이처 메디신 출판물을 보자마자 더욱 믿을 수 있게 되었지요. MPTP 유도 파킨슨병 마우스 모델의 2009년 출판물에서도 H2의 유익한 효과가 나타났다. 우리는 나중에 이 모델의 이점이 γ1 아드레날린 수용체 의존 경로를 통해 H2 유도 위 그렐린 분비에 의해 매개된다는 것을 발견했습니다. 현재 파킨슨병에 대한 수소의 효과가 인체 임상시험에서 확인됐지만, H2의 치료적 이점을 담당하는 분자 메커니즘을 밝히기 위해서는 더 많은 연구가 필요합니다. 수소의 높은 안전성, 투여 용이성, 그리고 유망한 의학 효과 때문에, 저는 새로운 의료 가스인 H2에 대한 연구를 계속해야 할 의무가 있게 되었습니다.”

교토 대학 의과대학원 노다 마미 박사
일본 규슈대학 약학대학원 병리생리학 연구소 부교수

Career Summary

* 1979-1981 Assistant professor, Department of Physiology, Faculty of Medicine, Kyushu University, Japan
* 1986-1990 Postdoctoral Fellow, Department of Cardiac Physiology, The Rockefeller University, New York, USA.
* 1990-1996 Research Fellow, Department of Medical Biophsysics, Kanazawa University, School of Medicine, Japan
* 1996-1999 Assistant Professor, Department of Physiology, Faculty of Medicine, Kyushu University, Japan
* 1999-present Associate Professor, Laboratory of Pathophysiology, Graduate School of Pharmaceutical Sciences, Kyushu University, Japan

Academic Degree

1986.07.23: PhD, Kyoto University Medical School: Pharmacology, “Effects of goniopora toxin on membrane currents of bullfrog atrium”

Membership in Academic Societies

1. Society for Neuroscience (SfN) (USA): Member of Professional Development Committee (2011-2014)
2. Japanese Society of Pathophysiology: Member of Council (2006~), Member of Trustee (2007~),
3. The Physiological Society of Japan: Member of Council
4. The Japanese Society for Neurochemistry: Member of Council, Member of Diversity Committee (2013~, Chair; 2015~), Member of Promoting Brain Science Committee (2011-2013)
5. The Japan Neuroscience Society: Member of International Affair committee (2014~), Member of Program Committee for Neuro2016 and Neuro2017
6. Society for Molecular Hydrogen Medical and Biology: Member of a Steering Committee
7. Women in Physiology of Japan: Editorial Committee Member (2010~)
8. The Pharmaceutical Society of Japan
9. Japanese Cancer Association

Editorial Board Membership

1. Glia (2010 – )
2. Journal of Molecular Neuroscicnce (2012~)
3. Advances in Neuroimmune Biology (2013~)
4. Advances in Neuroimmune Biology, Chief Editor of a special issue “Dysfunction of Glial Cells in Neurological and Psychological Disorders: From Bench to Bedside (2016)

Patents

1. Novel medicament for ameliorating neurotransmission dysfunction diseases. Juridical Foundation, No. 03812336.0-2107-JP0315227, Date; 06.10.06

Selected Hydrogen Publications

1. Fujita K, Seike T, Yutsudo N, Ohno M, Yamada H, Yamaguchi H, Sakumi K, Yamakawa Y, Kido MA, Takaki A, Katafuchi T, Tanaka Y, Nakabeppu Y, Noda M.?Hydrogen in drinking water reduces dopaminergic neuronal loss in the 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine mouse model of Parkinson’s disease. PLoS One. Sep 30;4(9):e7247 (2009)
2. Matsumoto A, Yamafuji M, Tachibana T, Nakabeppu Y, Noda M, Nakaya H. Oral ‘hydrogen water’ induces neuroprotective ghrelin secretion in mice. Sci Rep. 3:3273. doi: 10.1038/srep03273. (2013)
3. Mami Noda, Ikuroh Ohsawa, Masafumi Ito and Kinji Ohno. Beneficial effects of hydrogen in the CNS and a new brain-stomach interaction. European Journal of Neurodegenerative Diseases 3(1): 25-34 (2014)
4. Mami Noda, Kyota Fujita, Ikuroh Ohsawa, Masafumi Ito and Kinji Ohno. Multiple Effects of Molecular Hydrogen and its Distinct Mechanism. Journal of Neurolog Disorders 2014, 2:6, http://dx.doi.org/10.4172/2329-6895.1000189 (2014)
5. Fujita K, Nakabeppu Y, Noda M. Therapeutic effects of hydrogen in animal models of Parkinson’s disease. Special issue: Animal Model of Parkinson’s Disease, Parkinson’s Disease, vol. 2011, Article ID 307875, 9 pages, 2011. doi:10.4061/2011/307875 (2011)

PUBLICATIONS

Original Articles
1. Noda M, Yuki Mori, Yusaku Yoshioka. Sex- and age-dependent effects of thyroid hormone on glial morphology and function. Opera Medica et Physiologica (OM&P) 2, 85-92 (2016)
2. Zeidán-Chuliá F, de Oliveira BN, Casanova MF, Casanova EL, Noda M, Salmina AB, Verkhratsky A.. Up-regulation of Oligodendrocyte Lineage Markers in the Cerebellum of Autistic Patients: Evidence from Network Analysis of Gene Expression. Molecular Neurobiology l 53:4019–4025 DOI: 10.1007/s12035-015-9351-7 (2016)
3. Noda M, Kobayashi A. Nicotine inhibits activation of microglial proton currents via interactions with ?7 acetylcholine receptors. J Physiol Sci. 2016 Jun 2. [Epub ahead of print] 4. Hsu WL, Lu JH, Noda M, Wu CY, Liu JD, Sakakibara M, Tsai MH, Yu HS, Lin MW, Huang YB, Yan SJ, Yoshioka T. Derinat Protects Skin against Ultraviolet-B (UVB)-Induced Cellular Damage. Molecules. 2015 Nov 12;20(11):20297-311. doi: 10.3390/molecules201119693. (2015)
5. Zeidán-Chuliá F, Salmina AB, Noda M, Verkhratsky A. Rho GTPase RAC1 at the Molecular Interface Between Genetic and Environmental Factors of Autism Spectrum Disorders. Neuromol Med, DOI 10.1007/s12017-015-8366-6 (2015) Aug 25
6. Zeidán-Chuliá F, de Oliveira BN, Casanova MF, Casanova EL, Noda M, Salmina AB, Verkhratsky A.. Up-regulation of Oligodendrocyte Lineage Markers in the Cerebellum of Autistic Patients: Evidence from Network Analysis of Gene Expression. Molecular Neurobiology (DOI: 10.1007/s12035-015-9351-7) (2015)
7. Mori Y, Tomonaga D, Kalashnikova A, Furuya F, Akimoto N, Ifuku M, Okuno Y, Beppu K, Fujita K, Katafuchi T, Shimura H, Churilov LP, Noda M. Effects of 3,3′,5-triiodothyronine on microglial functions. Glia. 63, 906-920, Jan 30. doi: 10.1002/glia.22792. (2015)
8. Noda M, Kojima Y, Suematsu F, Akther S, Higashida H. Expression of CD38 and Its Interaction with TRPM2 in Microglia. MESSENGER 3, 1–7 (2014)
9. Ifuku M, Md. Shamim Hossain S, Noda M and Katafuchi T. Induction of IL-1? by activated microglia is prerequisite for immunologically induced fatigue. Eur. J. Neurosci. (2014) Jul 5. doi: 10.1111/ejn.12668.
10. Zeida´n-Chulia´ F, de Oliveira B-HN, Salmina AB, Casanova MF, Gelain DP, Noda M, Verkhratsky A and Moreira JCF. Altered expression of Alzheimer’s disease-related genes in the cerebellum of autistic patients: a model for disrupted brain connectome and therapy. Cell Death and Disease (2014) May 22;5:e1250. doi: 10.1038/cddis.2014.227.
11. Matsumoto A, Yamafuji M, Tachibana T, Nakabeppu Y, Noda M, Nakaya H. Oral ‘hydrogen water’ induces neuroprotective ghrelin secretion in mice. Sci Rep. 3:3273. doi: 10.1038/srep03273. (2013)
12. Akimoto N, Honda K, Uta D, Beppu K, Ushijima Y, Matsuzaki Y, Nakashima S, Kido MA, K Imoto, Takano Y, Noda M. CCL-1 in the spinal cord contributes to neuropathic pain induced by nerve injury. Cell Death Dis. 4:e679. doi: 10.1038/cddis.2013.198. (2013)
13. Akimoto N, Ifuku M, Mori Y, Noda M. Effects of chemokine (C-C motif) ligand 1 on microglial function. Biochem Biophys Res Commun. 436(3):455-61 (2013)
14. Zeidán-Chuliá F, Rybarczyk-Filho JL, Salmina AB, de Oliveira BH, Noda M, Moreira JC. Exploring the Multifactorial Nature of Autism Through Computational Systems Biology: Calcium and the Rho GTPase RAC1 Under the Spotlight. Neuromolecular Med. 15(2):364-83 (2013)
15. Beppu K, Kosai Y, Kido MA, Akimoto N, Mori Y, Kojima Y, Fujita K, Okuno Y, Yamakawa Y, Ifuku M, Shinagawa R, Nabekura J, Sprengel R, Noda M. Role of GluA2 (GluR-B) Subunit of AMPA-type of Glutamate Receptor in Microglia. GLIA. 61(6):881-91 (2013)
16. Terazawa R, Akimoto N, Kato T, Itoh T, Fujita Y, Hamada N, Deguchi T, Iinuma M, Noda M, Nozawa Y, Ito M. A kavalactone derivative inhibits lipopolysaccharide-stimulated iNOS induction and NO production through activation of Nrf2 signaling in BV2 microglial cells. Pharmacol Res. 71:34-43 (2013)
17. Akimoto N, Kamiyama Y, Yamafuji M, Fujita K, Seike T, Kido MA, Yokoyama S, Higashida H, and Noda M. Immunohistochemistry of CD38 in Different Cell Types in the Hypothalamus and Pituitary of Male Mice, Messenger 2: 1–8 (2013)
18. Noda M, Yamakawa Y, Matsunaga N, Naoe S, Jodoi T, Yamafuji M, Akimoto N, Teramoto N, Fujita K, Ohdo S, Iguchi H. IL-6 Receptor Is a Possible Target against Growth of Metastasized Lung Tumor Cells in the Brain. Int J Mol Sci. 14(1):515-26 (2012)
19. Ifuku M, Katafuchi T, Mawatari S, Noda M, Miake K, Sugiyama M and Fujino T. Anti-inflammatory/anti-amyloidogenic effects of plasmalogens in lipopolysaccharide-induced neuroinflammation?in adult mice. J Neuroinflammation, 9:197 (2012)
20. Katafuchi T, Ifuku M, Mawatari S, Noda M, Miake K, Sugiyama M, Fujino T. Effects of plasmalogen on systemic lipopolysaccharide-induced glial activation and b-amyloid accumulation in adult mice. Ann N Y Acad Sci, 1262: 85–92, doi: 10.1111/j.1749-6632.2012.06641.x. (2012)
21. Eto K, Wake H, Watanabe M, Ishibashi H, Noda M, Yanagawa Y, Nabekura J. Inter-regional Contribution of Enhanced Activity of the Primary Somatosensory Cortex to the Anterior Cingulate Cortex Accelerates Chronic Pain Behavior. J. Neurosci. May 31:7631-7636 (2011)
22. Ifuku M, Okuno Y, Yamakawa Y, Izum K, Seifert S, Kettenmann H, Noda M. Functional importance of inositol-1,4,5-triphosphate-induced intracellular Ca2+ mobilization in galanin-induced microglial migration. J Neurochem. Apr; 117(1):61-70 (2011)
23. Noda M, Seike T, Fujita K, Yamakawa Y, Kido M, Iguchi H. Role of Immune Cells in Brain Metastasis of Lung Cancer Cells and Neuron-Tumor Cell Interaction. Neurosci Behav Physiol. Mar;41(3):243-251 (2011)
24. Choi J, Ifuku M, Noda M, Guilarte TR. Translocator Protein (18kDa) (TSPO)/Peripheral Benzodiazepine Receptor (PBR) specific ligands induce microglia functions consistent with an activated state. GLIA, Feb;59(2):219-30 (2011)
25. Seike T, Fujita K, Yamakawa Y, Kido MA, Takiguchi S, Teramoto N, Iguchi H, Noda M. Interaction between lung cancer cells and astrocytes via specific inflammatory cytokines in the microenvironment of brain metastasis. Clin Exp Metastasis. Jan;28(1):13-25 (2011)
26. Munesue T, Yokoyama S, Nakamura K, Anitha A, Yamada K, Hayashi K, Asaka T, Liu HX, Jin D, Koizumi K, Islam MS, Huang JJ, Ma WJ, Kim UH, Kim SJ, Park K, Kim D, Kikuchi M, Ono Y, Nakatani H, Suda S, Miyachi T, Hirai H, Salmina A, Pichugina YA, Soumarokov AA, Takei N, Mori N, Tsujii M, Sugiyama T, Yagi K, Yamagishi M, Sasaki T, Yamasue H, Kato N, Hashimoto R, Taniike M, Hayashi Y, Hamada J, Suzuki S, Ooi A, Noda M, Kamiyama Y, Kido MA, Lopatina O, Hashii M, Amina S, Malavasi F, Huang EJ, Zhang J, Shimizu N, Yoshikawa T, Matsushima A, Minabe Y, Higashida H. Two genetic variants of CD38 in subjects with autism spectrum disorder and controls. Neurosci Res. Jun;67(2):181-91 (2010)
27. Noda M, Seike T, Fujita K, Yamakawa Y, Kido M, Iguchi H. The role of immune cells in brain metastasis of lung cancer cells and neuron-tumor cell interaction. Russian Journal of Physiology Dec ;95(12); 1386-1396 (2009)
28. Fujita K, Seike T, Yutsudo N, Ohno M, Yamada H, Yamaguchi H, Sakumi K, Yamakawa Y, Kido MA, Takaki A, Katafuchi T, Tanaka Y, Nakabeppu Y, Noda M.?Hydrogen in drinking water reduces dopaminergic neuronal loss in the 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine mouse model of Parkinson’s disease. PLoS One. Sep 30;4(9):e7247 (2009)
29. Kajitani K, Nomaru H, Ifuku M, Yutsudo N, Dan Y, Miura T, Tsuchimoto D, Sakumi K, Kadoya T, Horie H, Poirier F, Noda M, Nakabeppu Y.Galectin-1 promotes basal and kainate-induced neurogenesis in the dentate gyrus of adult mouse hippocampus. Cell Death and Differentiation, 16, 417–427 (2009)
30. Amano T, Wada E, Yamada D, Zushida K, Maeno H, Noda M, Wada K, Sekiguchi M. Heightened Amygdala Long-Term Potentiation in Neurotensin Receptor Type-1 Knockout Mice. Neuropsychopharmacology. 2008 Dec;33(13):3135-45 (2008)
31. Ifuku M , Färber K, Okuno Y, Yamakawa Y, Miyamoto T, Nolte C, Merrino VF, Kita S, Iwamoto T, Komuro I, Wang B, Cheung G, Ishikawa E, Ooboshi H, Bader M, Wada K, Kettenmann H and Noda M. Bradykinin-induced microglial migration mediated by B1-bradykinin receptors depends on Ca2+ influx via reverse-mode activity of the Na+/Ca2+ exchanger. J Neurosci. Nov 28;27(48):13065-73 (2007)
32. Eto K, Arimura Y, Nabekura J, Noda M, Ishibashi H. The effect of zinc on glycinergic inhibitory postsynaptic currents in rat spinal dorsal horn neurons. Brain Res. Aug 3;1161:11-20 (2007)
33. Noda M, Kido MA, Fujita K, Seike T, Tanaka T and Higashida T. Double-label immunofluorescent staining of CD38 and oxytocin in the mouse hypothalamus. Nature Protocols. DOI: 10.1038/nprot.2007.166 (2007)
34. Noda M, Kariura Y, Pannasch U, Nishikawa K, Wang L, Seike T, Ifuku M, Kosai Y, Wang B, Nolte C, Aoki S, Kettenmann H, Wada K. Neuroprotective role of bradykinin because of the attenuation of pro-inflammatory cytokine release from activated microglia. J Neurochem. Apr;101(2):397-410 (2007)
35. Jin D, Liu HX, Hirai H, Torashima T, Nagai T, Lopatina O, Shnayder NA, Yamada K, Noda M, Seike T, Fujita K, Takasawa S, Yokoyama S, Koizumi K, Shiraishi Y, Tanaka S, Hashii M, Yoshihara T, Higashida K, Islam MS, Yamada N, Hayashi K, Noguchi N, Kato I, Okamoto H, Matsushima A, Salmina A, Munesue T, Shimizu N, Mochida S, Asano M, Higashida H. CD38 is critical for social behavior by regulating oxytocin secretion. Nature, Mar 1;446(7131):41-45 (2007)
36. Higashida H, Bowden SE, Yokoyama S, Salmina A, Hashii M, Hoshi N, Zhang JS, Knijnik R, Noda M, Zhong ZG, Jin D, Higashida K, Takeda H, Akita T, Kuba K, Yamagishi S, Shimizu N, Takasawa S, Okamoto H, Robbins J. Overexpression of human CD38/ADP-ribosyl cyclase enhances acetylcholine-induced Ca(2+) signalling in rodent NG108-15 neuroblastoma cells. Neurosci Res. Mar;57(3): 339-46 (2007)
37. Setsuie R, Wang YL, Mochizuki H, Osaka H, Hayakawa H, Ichihara N, Li H, Furuta A, Sano Y, Sun YJ, Kwon J, Kabuta T, Yoshimi K, Aoki S, Mizuno Y, Noda M, Wada K. Dopaminergic neuronal loss in transgenic mice expressing the Parkinson’s disease-associated UCH-L1 I93M mutant. Neurochem Int. Jan; 50(1):119-29 (2007)
38. Eto K, Arimura Y, Mizuguchi H, Nishikawa M, Noda M, Ishibashi H. Modulation of ATP-Induced Inward Currents by Docosahexaenoic Acid and Other Fatty Acids in Rat Nodose Ganglion Neurons. J Pharmacol Sci. Nov;102(3): 343-346 (2006)
39. Salmina AB, Olovyannikova RY, Noda M, Higashida H, ADP-ribosyl cyclase as a therapeutic target for central nervous system diseases. Central Nervous system agents in medicinal chemistry. 6: 193-210 (2006)
40. Higashida H, Salmina A, Hashii M, Yokoyama S, Zhang JS, Noda M, Zhong ZG, Jin D. Bradykinin activates ADP-ribosyl cyclase in neuroblastoma cells: intracellular concentration decrease in NAD and increase in cyclic ADP-ribose. FEBS Lett. Sep 4;580(20): 4857-4860 (2006)
41. Sato A, Arimura Y, Manago Y, Nishikawa K, Aoki K, Wada E, Suzuki Y, Osaka H, Setsuie R, Sakurai M, Amano T, Aoki S, Wada K, Noda M. Parkin potentiates ATP-induced currents due to activation of P2X receptors in PC12 cells. J Cell Physiol.?209: 172-182 (2006)
42. Sano Y, Furuta A, Setsuie R, Kikuchi H, Wang YL, Sakurai M, Kwon J, Noda M, Wada K. Photoreceptor cell apoptosis in the retinal degeneration of Uchl3-deficient mice. Am J Pathol. 169(1):132-141 (2006)
43. Amano T, Aoki S, Setsuie R, Sakurai M, Wada K, Noda M. Identification of a novel regulatory mechanism for norepinephrine transporter activity by the IP(3) receptor. Eur J Pharmacol. 536: 62-68 (2006)
44. Ishibashi H, Eto K, Arimura Y, Yamada J, Hatano Y, Nishikawa M, Noda M, Takahama K. Inhibition of the serotonin-induced inward current by dextromethorphan in rat nodose ganglion neurons. Brain Res. 1097(1):65-70 (2006)
45. Sakurai M, Ayukawa K, Setsuie R, Nishikawa K, Hara Y, Ohashi H, Nishimoto M, Abe T, Kudo Y, Sekiguchi M, Sato Y, Aoki S, Noda M, Wada K. Ubiquitin C-terminal hydrolase L1 regulates the morphology of neural progenitor cells and modulates their differentiation. J Cell Sci. 119, 162-71 (2006)
46. Wang YL, Liu W, Sun YJ, Kwon J, Setsuie R, Osaka H, Noda M, Aoki S, Yoshikawa Y, Wada K. Overexpression of ubiquitin carboxyl-terminal hydrolase L1 arrests spermatogenesis in transgenic mice. Mol Reprod Dev. 73, 40-9 (2006)
47. Johansson JU, Lilja L, Chen XL, Higashida H, Meister B, Noda M, Zhong ZG, Yokoyama S, Berggren PO, Bark C. Cyclin-dependent kinase 5 activators p35 and p39 facilitate formation of functional synapses. Brain Res Mol Brain Res. 138, 215-227 (2005)
48. Manago Y, Kanahori Y, Shimada A, Sato A, Amano T, Sano-Sato Y, Setsuie R, Sakurai M, Aoki S, Wang Y, Osaka H, Wada K and Noda M. Potentiation of ATP-induced currents due to the activation of P2X receptors by ubiquitin carboxy-terminal hydrolase L1. J. Neurochemistry, 92, 1061-1072 (2005)
49. Ishibashi H, Eto K, Kajiwara M and Noda M. Facilitation of spontaneous glutamate release by antidepressant drugs in rat locus coeruleus. Neurosci Lett 374 (2), 152-156 (2005)
50. Kwon J, Wang Y.L, Setsuie R, Sekiguchi S, Sato Y, Sakurai M, Noda M, Aoki S, Yoshikawa Y and Wada K. Two closely related ubiquitin C-terminal hydrolase isozymes function as reciprocal modulators of germ cell apoptosis in cryptorchid testes. Am. J. Pathol., 165, 1367-1374 (2004)
51. Wang YL, Takeda A, Osaka H, Hara Y, Furuta A, Setsuie R, Sun YJ, Kwon J, Sato Y, Sakurai M, Noda M, Yoshikawa Y, Wada K. Accumulation of beta- and gamma-synucleins in the ubiquitin carboxyl-terminal hydrolase L1-deficient gad mouse. Brain Res. Sep 3; 1019(1-2):1-9. (2004)
52. Kwon J, Wang YL, Setsuie R, Sekiguchi S, Sakurai M, Sato Y, Lee WW, Ishii Y, Kyuwa S, Noda M, Wada K and Yoshikawa Y. Developmental regulation of ubiquitin C-terminal hydrolase isozyme expression during spermatogenesis in mice. Biol. Reprod., Aug;71(2):515-21. Epub 2004 Apr 14. (2004)
53. Hagino Y, Kariura Y, Manago Y, Amano T, Wang B, Sekiguchi M, Nishikawa K, Aoki S, Wada K, Noda M. Heterogeneity and potentiation of AMPA-type of glutamate receptors in rat cultured microglia. GLIA 47: 68-77 (2004)
54. Harada T, Harada C, Wang YL, Osaka H, Amanai K, Tanaka K, Takizawa S, Setsuie R, Sakurai M, Sato Y, Noda M, Wada K. Role of ubiquitin carboxy terminal hydrolase-l1 in neural cell apoptosis induced by ischemic retinal injury in vivo. Am J Pathol. 164(1):59-64 (2004)
55. Osaka H, Wang Y-L, Takada K, Takizawa S, Setsuie R, Li H., Sato Y, Nishikawa K, Sun Y-J, Harada T, Hara Y, Kimura I, Chiba S, Namikawa K, Kiyama H, Noda M, Aoki S and Wada K. Ubiquitin carboxy-terminal hydrolase L1 binds to and stabilizes monoubiquitin in neuron. Human Molecular Genetics, 12, 1945-58 (2003)
56. Furuta A, Noda M, Suzuki SO, Goto Y, Kanahori Y, Rothstein JD, Iwaki T. Translocation of glutamate transporter subtype excitatory amino acid carrier 1 protein in kainic acid-induced rat epilepsy. Ame. J. Path, 163, 779-787 (2003)
57. Higashida H, Zhang JS, Mochida S, Chen XL, Shin Y, Noda M, Hossain KZ, Hoshi N, Hashii M, Shigemoto R, Nakanishi S, Fukuda Y, Yokoyama S. Subtype-specific coupling with ADP-ribosyl cyclase of metabotropic glutamate receptors in retina, cervical superior ganglion and NG108-15 cells. J. Neurochemistry, 85, 1148-1158 (2003)
58. Nishikawa K, Li H, Kawamura R, Osaka H, Wang Y-L, Hara Y, Hirokawa T, Manago Y, Amano T, Noda M, Aoki S, Wada K. Alterations of structure and hydrolase activity of parkinsonism-associated human ubiquitin carboxyl-terminal hydrolase L1 variants. Biochem Biohys Res Commun, 304, 176-183 (2003)
59. Noda M, Yasuda S, Okada M. Higashida H, Shimada A, Iwata N, Ozaki N, Nshikawa K., Shirasawa S., Uchida M., Aoki S., Wada K. Recombinant human 5-HT5A receptors stably expressed in C6 glioma cells couple to multiple signal transduction pathways. J. Neurochemistry, 84, 222-232 (2003)
60. Noda M, Kariura Y, Amano T, Manago Y, Nishikawa K, Aoki S and Wada K. Expression and function of bradykinin receptors in microglia. Life Sciences, 72, 1573–1581 (2003)
61. Higashida H, Hossain KZ, Takahagi H and Noda M. Measurement of adenylyl cyclase by separating cyclic AMP on silica gel thin-layer chromatography. Analytical Biochemistry, 308, 106-111 (2002) (IF 3.24)
62. Higashida H, Hashii M, Yokoyama S., Hoshi N., X-L. Chen X-L., Egorova A., Noda M., and Zhang J-S. Cyclic ADP-ribose as a second messenger revisited from a new aspect of signal transduction from receptors to ADP-ribosyl cyclase. Pharmacology & Therapeutics, 90, 283-296 (2001) (IF 8.69)
63. Higashida H, Yokoyama S, Hoshi N, Hashii M, Egorova A, Zhong Z-G, Noda M, Shahidullah M, Taketo M, Yasuhiro K, Takahashi H, Chen X-L, Shin Y and Zhang J-S. Signal transduction from brakykinin, angiotensin, adrenergic and muscarinic receptors to effector enzymes, including ADP-ribosyl cyclase. Biological Chemistry, 382,23-30 (2001) (IF 8.69)
64. Noda M, Nakanishi H, Nabekura J and Akaike N. AMPA-KA subtypes of glutamate receptor in rat cerebral microglia. J. Neuroscience 20, 251-258 (2000)
65. Hadley JK, Noda M, Selyanko AA, Wood IC, Abogadie FC, Brown DA. Differential tetraethylammonium sensitivity of KCNQ1-4 potassium channels. Br. J. Pharmacology, 129(3), 413-415 (2000)
66. Higashida H, Egorova A, Higashida C, Zhong Z-G, Yokoyama S, Noda M, Zhang J-S. Sympathetic potentiation of cyclic ADP-ribose formation in rat cardiac myocytes. J. Biological Chemistry, 274, 33348-33354 (1999)
67. Zhong Z-G, Noda M, Takahashi H and Higashida H. Overexpression of rat synapsins in NG108-15 neuronal cells enhances functional synapse formation with myotubes. Neuroscience Letters, 260, 93-96 (1999)
68. Noda M, Nakanishi H. and Akaike N. Glutamate release from microglia via glutamate transporter is enhanced by amyloid-? peptide. Neuroscience 92, 1465-1474 (1999)
69. Noda M, Obana M and Akaike N. Inhibition of M-type K+ current by linopirdine, a neurotransmitter releaase enhancer, in NG108-15 neuronal cells and rat cerebral neurons in culture. Brain Research, 794, 274-280 (1998)
70. Ishizaka N., Noda M., Yokoyama S., Kawasaki K., Yamamoto M. and Higashida H.:?Muscarinic acetylcholine receptor subtypes in the human iris. Brain Research, 787, 344-347 (1998) (IF 2.62)
71. Higashida H, Yokoyama S, Hashii M, Taketo M, Higashida M, Takayasu T, Ohshima T, Takasawa S, Okamoto H. and Noda M. Muscarinic receptor-mediated dual regulation of ADP-ribosyl cyclase in NG108-15 neuronal cell membranes. J. Biological.Chemistry : 272: 31272-31277 (1997)
72. Zhong ZG, Yokoyama S, Noda M and Higashida H. Overexpression of adhesion molecule L1 in NG108-15 neuroblastoma x glioma hybrid cells enhances dibutyryl cyclic AMP-induced neurite outgrowth and functional synapse formation with myotubes. J. Neurochemistry. 68: 2291-2299 (1997)
73. Egorova A, Hoshi N, Knijnik R, Shahidullah M, Hashii M, Noda M, and Higashida H. Sulfhydryl modification inhibits K+ (M) current with kinetics close to acetylcholine in rodent NG108-15 cells. Neuroscience Research. 27: 35-44 (1997)
74. Higashida H, Hashii M, Yokoyama S, Taketo M, Hoshi N, Noda M, Zhon ZG, Shahidullah M, Minabe Y, Nakashima S and Nozawa, Y. Bradykinin B2 receptors and signal transduction analyzed in NG108-15 neuroblastoma X glioma hybrid cells, B2 receptor-transformed CHO cells and ras-transformed NIH/3T3 fibroblasts. Progress in Brain Rersearch, 113: 215-230 (1996)
75. Noda M, Ishizaka N, Yokoyama S, Hoshi N, Kimura Y, Hashii M, Taketo M, Egorava R, Fukuda K, Morioka H, Brown DA and Higashida H. Inositol trisphosphate/ Ca2+ as messengers of bradykinin B2 and muscarinic acetylcholine m1-m4 receptors in neuroblastoma-derived hybrid cells. J. Lipid Mediat. Cell Signal. 14: 175-185 (1996)
76. Higashida H, Egorova A, Hoshi N, and Noda M. Streptozotocin, and inducer of NAD+ decrease, attenuates M-potassium current inhibition by ATP, bradykinin, angiotensin II, endothelin I and acetylcholine in NG108-15 cells. FEBS Lett. 379: 236-238 (1996)
77. Zhong ZG, Misawa H, Furuya S, Kimura Y, Noda M, Yokoyama S and Higashida H. Overexpression of choline acetyltransferase reconstitutes descrete acetylcholine release in some but not all synapse formation-defective neuroblastoma cells. J. Physiol. Paris. 89 (3): 137-145 (1995)
78. Zhong ZG, Kimura Y, Noda M, Misawa H and Higashida H. Discrete acetylcholine release from neuroblastoma or hybrid cells overexpressing choline acetyltransferase into the neuromuscular synaptic cleft. Neurosci Res. 22(1): 81-88 (1995)
79. Higashida H, Robbins J, Egorova A, Noda M, Taketo M, Ishizaka N, Takasawa S, Okamoto H and Brown DA. Nicotinamide-adenine dinucleotide regulates muscarinic receptor-coupled K+ (M) channels in rodent NG108-15 cells. J. Physiol. (Lond) 482: 317-323 (1995)
80. Ishizaka N, Noda M, Kimura Y, Hashii M, Fukuda K, Katayama M, Brown DA and Higashida H. Inositol 1,4,5-trisphosphate formation and ryanodine-sensitive oscillations of cytosolic free Ca2+ concentrations in neuroblastoma x fibroblast hybrid NL308 cells expressing m2 and m4 muscarinic acetylcholine receptor subtypes. Pflugers Arch. Eur. J. Physiol. 429: 426-433 (1995)
81. Kishida H, Yamamoto K, Fuse Y, Noda M and Higashida H. Activation of inward current associated with M-potassium current inhibition in m1-muscarinic receptor-transformed NG108-15 cells by KST-5452, a novel cognition enhancer. Neuroscience Letters 172: 119-121 (1994)
82. Noda M, Okano Y, Nozawa Y, Egorova A and Higashida H. Endothelin induces phosphoinositide metabolite-dependent cellular responses in NG108-15 hybrid cells. Annals of the New York Academy of Sciences 707:482-485 (1993)
83. Brown DA, Higashida H, Noda M, Ishizaka N, Hashii M, Hoshi N, Yokoyama S, Fukuda K, Katayama M, Nukada T, Kameyama K, Robbins J, Marsh SJ and Selyanko AA. Coupling of muscarinic receptor subtypes to ion channels: Experiments on neuroblastoma hybrid cells. Annals of the New York Academy of Sciences 707: 237-258 (1993)
84. Noda M, Katayama M, Brown DA, Robbins J, Marsh SJ, Ishizaka N, Fukuda K, Hoshi N, Yokoyama S and Higashida H. Coupling of m2 and m4 muscarinic acetylcholine receptor subtypes to Ca2+-dependent K+ channels in transformed NL308 neuroblastoma x fibroblast hybrid cells. Proc. R. Soc. Lond. B. 251: 215-224 (1993)
85. Higashida H, Shahidullah M, Hoshi N, Noda M, Hashii M, Zhong ZG and Nozawa Y. Ion selectivity of Ba2+ inward current oscillations in ras-tranformed fibroblast that elicit cytoplasmic Ca2+ oscillations by bradykinin. Biochem. Biophys. Res. Commun. 185:162-166 (1992)
86. Higashida H, Hoshi N, Noda M, Shahidullah M, Hahii M and Nozawa Y. Ba2+ current oscillation modulated by cyclic AMP and phorbol ester in ras -transformed fibroblasts. Biochem. Biophys. Res. Commun. 182:1240-1245 (1992)
87. Higashida, I., Hoshi, N., Hashii, M., Fu, T., Noda, M., and Nozawa, Y.: Ba2+ current oscillation evoked by bradykinin in ras-transformed fibroblasts. Biochem. Biophys. Res. Commun. 178:713-717 (1991)
88. Gadsby DC, Noda M, Shepherd RN, Nakao M. Influence of external monovalent cations on Na-Ca Exchange current-voltage relationships in cardiac myocytes. Sodium-Calcium Exchange. Annals of the New York Academy of Sciences 639:140-146 (1991)
89. Muramatsu I, Noda M, Nishio M, and Fujiwara M. Mechanism of sodium channel block in crayfish giant axon by 711389-s, a new antiarrhythmic drug. J. Pharmacol. Exp. Ther. 242:269-276 (l987)
90. Muramatsu I, Noda M, Nishio M, and Kigoshi S. Histamine increases the Ca current in guinea-pig ventricular myocytes. Eur. J. Pharmacol. 138:269-272 (l987)
91. Noda M, Muramatsu I, Kigoshi S and Fujiwara M. Lack of effects of carbachol on the Na/Ca exchange mechanism in frog atrial muscle treated with goniopora toxin. Jpn. J. Pharmacol. 43:61-65 (l987)
92. Noda M, and Muramatsu I. Effects of Nicorandil on electromechanical activity of frog atrial muscle. J. Cardiovascular Pharmacology 9:237-241 (l987)
93. Noda M, Muramatsu I, Fujiwara M, and Ashida K. Effects of goniopora toxin on bullfrog atrial muscle are frequency-dependent. Naunyn-Schmiedeberg’s Arch. Pharmacol. 330:59-66 (1985)
94. Noda M, Muramatsu I, Fujiwara M. Effects of goniopora toxin on the membrane currents of bullfrog atrial muscle. Naunyn-Schmiedeberg’s Arch. Pharmacol. 327:75-80 (1984)
95. Urata M, Goto M. Membrane currents related to configuration changes in the action potential of frog atrial muscle in Na- and Ca-free conditions. J. Mol. Cell. Cardiol. 14:371-379 (1982)
96. Goto M, Urata M, Hyodo T. Instantaneous and delayed outward currents of the bullfrog atrial muscle in Ca-free or Na-deficient conditions. Jpn. J. Physiol. 32:573-587 (1982)
97. Goto M, Urata M, Yatani A, Fujino T. Interaction of adenosine and acetylcholine on the bullfrog atrium Jpn. J. Physiol. 31:501-513 (1981)
98. Goto M, C-M Sun, Yatani A, Urata M, Fujino T. Antagonistic action of ?- and ?-agonist on the bullfrog atrium. Jpn. J. Physiol. 30:751-765 (1980)
(Note: M. Noda’s maiden name was M. Urata.)

Reviews

1. Noda M. Mechanisms of nicotine-induced neuroprotection: Inhibition of NADPH oxidase and subsequent proton channel activation by stimulating ?7 nicotinic acetylcholine receptor in activated microglia. Advances in Neuroimmune Biology, 6 (2015/2016) 107–115, DOI 10.3233/NIB-160119 (2016)
2. Noda M.?Dysfunction of glutamate receptors in microglia may cause neurodegeneration. Curr Alzheimer Res. 2016;13(4):381-386.
3. Noda M. Possible role of glial cells in the relationship between thyroid dysfunction and mental disorders. Front. Cell. Neurosci. Jun 3;9:194.?doi: 10.3389/fncel.2015.00194 (2015)
4. Mami Noda, Ikuroh Ohsawa, Masafumi Ito and Kinji Ohno. Beneficial effects of hydrogen in the CNS and a new brain-stomach interaction. European Journal of Neurodegenerative Diseases 3(1): 25-34 (2014)
5. Mami Noda, Kyota Fujita, Ikuroh Ohsawa, Masafumi Ito and Kinji Ohno. Multiple Effects of Molecular Hydrogen and its Distinct Mechanism. Journal of Neurolog Disorders 2014, 2:6, http://dx.doi.org/10.4172/2329-6895.1000189 (2014)
6. Zeida´n-Chulia´ F, de Oliveira B-HN, Salmina AB, Casanova MF, Gelain DP, Noda M, Verkhratsky A and Moreira JCF. Altered expression of Alzheimer’s disease-related genes in the cerebellum of autistic patients: a model for disrupted brain connectome and therapy. Cell Death and Disease 5, e\_; doi:10.1038/cddis.2014.227 (2014)
7. Zeidán-Chuliá F, Salmina AB, Malinovskaya NA, Noda M, Verkhratsky A & Fonseca Moreira JC. The glial perspective of autism spectrum disorders. Neuroscience & Biobehavioral Reviews, 38:160-72 (2014)
8. Noda M, Beppu K. Possible Contribution of Microglial Glutamate Receptors to Inflammatory Response upon Neurodegenerative Diseases. J Neurol Disord 1: 131. doi:10.4172/2329-6895.1000131 (2013)
9. Verkhratsky A, Noda M, Parpura V, Kirischuk S. Sodium fluxes and astroglial function. Adv Exp Med Biol. 961:295-305. doi: 10.1007/978-1-4614-4756-6\_25 (2013)
10. Noda M, Ifuku M, Mori Y, Verkhratsky A. Calcium Influx Through Reversed NCX Controls Migration of Microglia. Adv Exp Med Biol. 961:289-94. doi: 10.1007/978-1-4614-4756-6\_24 (2013)
11. Fujita K, Yamafuji M, Nakabepp Y, and Noda M. Therapeutic approach to neurodegenerative diseases by medical gases: focusing of redox signaling and related antioxidant enzymes. Oxidative Medicine and Cellular Longevity. Volume 2012, Article ID 324256, 9 pages,?doi:10.1155/2012/324256 (2012)
12. Noda M, Fujita K, Chih-Hung Lee CH, Yoshioka T. The principle and the potential approach to ROS-dependent cytotoxicity by non-pharmaceutical therapies: Optimal use of medical gases with antioxidant properties. Curr Pharm Design, 17(22):2253-2263 (2011)
13. Yoshioka T, Noda M. Architecture and design of non-drug therapy for reactive oxygen spcecies (ROS)-induced diseases. Curr Pharm Des. 2011;17(22):2239-2240.
14. Noda M, Ifuku M, Okuno Y, Beppu K, Mori Y, Naoe S. Neuropeptides as Attractants of Immune Cells in the Brain and their Distinct Signaling. Advances in Neuroimmune Biology, 1:53-62 (2011)
15. Fujita K, Nakabeppu Y, Noda M. Therapeutic effects of hydrogen in animal models of Parkinson’s disease. Special issue: Animal Model of Parkinson’s Disease, Parkinson’s Disease, vol. 2011, Article ID 307875, 9 pages, 2011. doi:10.4061/2011/307875 (2011)
16. Kettenmann H, Hanisch UW, Noda M, Verkhratsky A. Physiology of microglia. Physiol Rev, Apr; 91(2):461-553 (2011)
17. Zeidán-Chuliáa F and Noda M. Opening The Mesenchymal Stem Cell Tool Box. European Journal of Dentistry 3:240-249 (2009)
18. Higashida H, Salmina AB, Olovyannikova RY, Hashii M, Yokoyama S, Koizumi K, Jin D, Liu HX, Lopatina O, Amina S, Islam MS, Huang JJ, Noda M. Cyclic ADP-ribose as a universal calcium signal molecule in the nervous system. Neurochem. Int. Jul-Sep;51(2-4):192-199. (2007)
19. Noda M, Sasaki K, Ifuku M, Wada K. Multifunctional effects of bradykinin on glial cells in relation to potential anti-inflammatory effects. Neurochem. Int., 51(2-4), 185-191 (2007)
20. Noda M, Kettenmann H, Wada K. Anti-inflammatory effects of kinins via microglia in the central nervous system. Biol. Chem. 387: 167-171 (2006)
21. Higashida H, Hoshi N, Zhang JS, Yokoyama S, Hashii M, Jin D, Noda M, Robbins J. Protein kinase C bound with A-kinase anchoring protein is involved in muscarinic receptor-activated modulation of M-type KCNQ potassium channels. Neurosci Res. 51:231-4, Epub 2005 Jan 08 (2005)
22. Noda M, Kariura Y, Amano T, Manago Y, Nishikawa K, Aoki S and Wada K. Kinin receptors in cultured rat microglia. Neurochem. Int, 45: 437-442 (2004) Special issue: Glial Biology: Functional Interactions Among Glia and Neurons, Edited by G.A. Dienel
23. Noda M, Higashida H, Aoki S and Wada K. Multiple signal transduction pathways mediated by 5-HT receptors. Molecular Neurobiology, 29: 31-39 (2004)

Book chapters

1. Verkhratsky A., Noda M. and Parpura V. Microglia: Structure and Function. In: Brain Mapping: An Encyclopedic Reference, vol. 2, pp. 109-113. Arthur W. Toga (ed), Academic Press: Elsevier (2015)
2. Alexei Verkhratsky & Mami Noda, General Physiology and Pathophysiology of Microglia, in “Neuroinfl ammation and Neurodegeneration”, p47-60, DOI 10.1007/978-1-4939-1071-7\_3, P.K. Peterson and M. Toborek (eds.), Springer Science+Business Media New York (2014)
3. Mami Noda, Chapter 13. Possible therapeutic targets in microglia, in “Pathological Potential of Neuroglia: Possible New Targets for Medical Intervention”, p293-313, Vladimir Parpura and Alexei Verkhratsky (eds), Boston, MA: Springer (2014)
4. Alexei Verkhratsky, Mami Noda, Vladimir Parpura & Sergei Kirischuk, Sodium fluxes and astroglial function, Advances in Experimental Medicine and Biology 961: 295-305. L. Annunziato (ed.), Sodium Calcium Exchange: A Growing Spectrum of Pathophysiological Implications, Springer Science+Business Media New York (2013)
5. Mami Noda, Masataka Ifuku, Yuki Mori & Alexei Verkhratsky, Calcium influx through reversed NCX controls migration of microglia, Advances in Experimental Medicine and Biology 961:289-294. L. Annunziato (ed.), Sodium Calcium Exchange: A Growing Spectrum of Pathophysiological Implications, Springer Science+Business Media New York (2013)
6. Mami Noda, Alexej Verkhratsky, Chapter 19. Physiology of microglia, Neuroglia 3rd Edition, p223-237, Helmut Kettenmann & Bruce Ransom (ed), Oxford University Press (2013)
7. Mami Noda. Chapter 3. The Brain Microenvironment. Cancer Metastasis – Biology and Treatment, Volume 18. Brain and Central Nervous System Metasitasis, the Biological Basis and Clinical Considerations, p43-54, Diane Palmieri (ed), Springer (2012)
8. Mami Noda. Transporter Current Measurements. Modern Patch Clamp Techniques, p195-206, Yasunobu Okada (ed), Springer (2012)
9. Mami Noda. Chapter 6. Kallikrein-kinin system in the brain. KININS, p85-102, Michael Bader (ed), Elsevier (2011)
10. Mami Noda. Glial Cells in Brain Defence Mechanisms. NeuroImmune Biology. Vol. 9, p161-167, Barry G. Arnason (ed), Elsevier (2010)
11. Karashnikova AV, Mudzhikova OM, Noda M, Ses TP, Stroev YI, Churilov LP. Role of autacoids in pathogenesis of endocrine disorders in on-syndromal marfanoid phenotype. Vestnik Sankt-Peterburgskogo Universiteta, ser. 11, issue 4, p 5-16 (Russian) (2009)
12. Noda M., Seike T., Fujita K., Kido M., Tanaka T., Iguchi H. The processes of adaptation of microglia in brain trauma and metastasis. Adaptation Biology and Medicine: Volume 5, p165-172. L. Lukyanova, N. Takeda and P.K. Singal (eds). Narossa Publishing House. New Delhi, India. (2007)
13. Higashida, H., Zhang, J-S., Yokoyama, S., Noda, M., Zhong, Z-G.,Mochida, S., Egorova, A. Symapthetic potentiation of cyclic ADP-ribose formation in rat cardiac myocytes. In: Catecholamine research, From Molecular Insights to Clinical Medicine, Advance in Behavioral Biology, Vol. 53, p73-76. Nagatsu, T., Nabeshima, T., Mccarty, R. and Goldstein, D. S. (eds.) Kluwer Academic/Plenum Publishers (2002)
14. Noda, M., Higashida, H. and Akaike, N.: Inhibition of M-type K+ currents by cognition enhancer in NG108-15 cells and rat cerebral neurons in culture. in Slow Synaptic Responses and Modulation, p46-48, Kuba, K., Higashida, H., Brown, D. A., and Yoshioka, T. (eds.) Springer, (1999)
15. Noda, M.and Nakanishi, H.: Discovery of glutamate receptor in rat cerebral microglia. The First Japanese-Korea Joint Symposium. p105-110, N. Akaike and Y. Ito (eds.) (1999)
16. Higashida, H., Hashii M., Yokoyama S., Taketo M., Hoshi N., Noda, M., Zhen-Guo Zhong, Shahidullah M., Minabe Y., Nakashima S. and Nozawa Y.: Bradykinin B2 receptor and signal transduction analyzed in NG108-15 neuroblastoma x glioma hybrid cells, B2 receptor-transformed CHO cells and ras-transformed NIH/3T3 fibroblasts. Progress in Brain Research, Vol. 113, p215-230, T. Kumazawa, L. Kruger and K. Mizumura (eds.) (1996)
17. Higashida, H., Yokoyama, S., Hoshi, N., Hashii, M., Noda, M. and Zhong, ZG.: A preparative study on neuro-muscular synapse formation and hormon-induced calcium mobilizing response in space – A proposal for updated experiments. Proceedings of 20th International symposium on Space Technology and Science, p1324-1327 (1996)

Conferences

?International Symposium, Invited lecture?
1. Mami Noda, Effects of thyroid hormones in neuron-glia interaction and their sex- and age-dependency. (St.Petersburg, Russia, 2016.12.13) workshop «The results and perspectives of common investigations of Kyushu University (Fukuoka, Japan) and FSBSI «IEM» (Saint-Petersburg, Russia)»
2. Mami Noda, Yusaku Yoshioka, Yosuke Kitahara, Akinori Nishi. Thyroid hormone and glioendocrine system in neurological and psychiatric dysfunctions. (Suzhou, China, 2016.12.05-09(09)) Cold Spring Harbor Asia – Novel Insights into Glia Function and Dysfunction
3. Mami Noda, The latest research trends of hydrogen in Japan – Neuroprotective effects of molecular hydrogen and involvement of stomach-brain interaction. (Seoul, Korea, 2016.11.25) 2016 Korea International Symposium on Hydrogen
4. Mami Noda, Ai Kobayashi. Nicotine-induced inhibition of activated microglia and neuroprotection. (Saga, Japan, 2016.08.24-27(26)) The 13th Korea-Japan Joint Symposium of Brain Sciences, and Cardiac and Smooth Muscle Sciences Mami Noda and Yusaku Yoshioka. Effects of thyroid hormones in neuron-glia interaction. (St.Petersburg-Nizhny Novgorod, Russia, 2016.07.24-30 (27)) Volga Neuroscience 2016
5. Mami Noda. Glia-endocrine system and neurological disorders. (Krakow, Poland, 2016.04.06-09(09)) 22nd Scientific Conference, Society on NeuroImmune Pharmacology (SNIP)
6. Mami Noda. Session 1. Perception, Cognifive, Motor Control and Social Behavior (group discussion) (Shenzhen, China, 2016.03.21-23) International workshop on “the future of primate neuroscience”. Shenzhen Intstitute of Advanced Technology (SIAT)
7. Mami Noda, Yusuke Yoshii, Taikai Inoue. Multiple Effects of Molecular Hydrogen and its Distinct Mechanism. (Nagasaki, 2016.02.12-13(12)) 6th International Society of Radiation Neurology (ISRN) Conference
8. Mami Noda. Possible interaction of thyroid hormones and polyamines in microglia. (San Juan, Puerto Rico, 2016.01.15)“Glial Interactions and Brain Experiments” International CaribeGLIA-6 Symposium.? Mami Noda. Thyroid hormone and glial cells in health and disease. (Kitakyushu, Japan, 2015.09.21) UOEH (University of Occupational and Environmental Health) Workshop 2015.
9. Mami Noda. Sex- and age-dependent effect of thyroid hormone on microglia and possible influence on neurodegenerative diseases. (Kaunas, Lithania, 2015.08.26-29) The Joint Meeting of the Federation of European Physiological Societies (FEPS) and the Baltic Physiological Societies. Symposium organizer: “Microglia in the healthy brain and influence of their dysfunction”
10. Mami Noda. Changes in microglial response to glutamate and thyroid hormone in neurodegeneration (Cairns, Australia, 2015.08.23-27) 25th ISN (International Society for Neurochemistry) Binneal Meeting.
11. Mami Noda. Thyroid hormones in glioendocrine system in health and disease. (Sydney, Australia, 2015.08.19-22) Understanding the Function of Glia in the Healthy and Diseased CNS. Satellite Meeting in conjunction with the 25th ISN Binneal Meeting – Cairns 2015
12. Mami Noda, Kyota Fujita, Margaret A. Hamner, Yusaku Nakabeppu, Bruce R. Ransom. Protective effects of molecular hydrogen against ischemic injury. In theme “From Basic to Clinical Aspects of Neurology”. (Makassar, Indonesia, 2015.08.05-09 (07)). The National Congress of Indonesia Neurological Association VIII and Internationa Symposium.
13. Mami Noda, Microglial dysfunction and neuronal damage in neurodegeneration. (Delmenhorst, Germany, 2015.07.20-22 (21)) International Meeting “Molecular Neurodegeneration – News and Views in Molecular Neuroscience in Health and Disease”.
14. Mami Noda, Jiadai Liu, Yusuke Yoshii, Yusaku Yoshioka. Glioendocrine system and the involvement in neurological dysfunctions. (Suzhou, China, 2015.05.22-26 (25)) Cold Spring Harbor Asia – Novel Insights into Glia Function and Dysfunction
15. Mami Noda. Effects of thyroid hormone in microglial function and their signaling. (Kyung Hee University, Yongin, Republic of Korea, 2015.01.22-25 (22)) The 12th Korea-Japan Joint Symposium of Brain Sciences, Cardiac and Smooth Muscle Sciences.
16. Mami Noda, Yuichiro Kojima, Fumiya Suematsu, Expression of CD38 and its interaction with TRPM2 in microglia. (Kanazawa, 2014.11.26-29 (26), NAD A3 (Asian 3 countries) Meeting and The 3rd Summit for Child Mental Development of Kanazawa University
17. Mami Noda, Kaoru Beppu, and Rolf Sprengel, Dysfunction of AMPA-type glutamate receptors in microglia may cause neurodegeneration. Symposium “Revealing the prominent role of neuroglia in neurodegeneration” (Budapest, 2014.08.27-30 (28)) Joint Meeting of the Federation of European Physiological Societies (FEPS) and the Hungarian Physiological Society
18. Mami Noda, Expression, function and signaling of GPCRs in microglia. (Kyoto, 2014.09.07-10 (08) 20th International Symposium on Regulatory Peptides (REGPEP2014)
19. Mami Noda. Protective effect of new medical gas against Parkinson’s disease. (Krasunoyarsk, Russia, 2014.06.19-21 (19)) INTERNATIONAL CONGRESS ON NEUROSCIENCE
20. Mami Noda. Possible role of microglial dysfunction in neurodegenative disorders. (Krasunoyarsk, Russia, 2014.06.19-21 (20)) INTERNATIONAL CONGRESS ON NEUROSCIENCE
21. Mami Noda. Protective Role of Microglia and its Mechanism under Stroke: Na+/Ca2+Exchange-Dependent Microglial Migration. Sympoium “Transporters in Glial Cells as New Therapeutic Targets” (San Diego, 2014.04.27-30 (29)) ASPET (American Society for Pharnacology and Experimental Therapeutics) Annual Meeting at Experimental Biology (EB) 2014.
22. Mami Noda, Akio Matsumoto, Megumi Yamafuji, Tomoko Tachibana, Yusaku Nakabeppu, Haruaki Nakaya. Stomach-brain interaction induced by oral ‘hydrogen water’ in Parkinson’s disease model animal. (Kyoto, Japan, 2014.04.3-5) The 2nd Asian Clinical Congress (ACC2)
23. Mami Noda. Expression of CD38 in Different Cell Types in the Hypothalamus and Pituitary. (Jeji, Korea, 2014.02.18-21 (20)) 2014 Jeju CD38 and NAD meeting.
24. Mami Noda. Functional role for neuropeptides and their signaling cascades in microglial migration. Sympoium “Neuropeptide Signaling in Cellular Interactions: Toward Future Therapeutics” (San Diego, USA, 2013.11.9-13(11)) Society for Neuroscience, 43rd Annual Meeting.
25. Mami Noda, Kyota Fujita, Margaret A. Hamner, Megumi Yamafuji, Nozomi Akimoto, Yusaku Nakabeppu, Bruce R. Ransom. Therapeutic approach to neurodegenerative diseases by medical gases. (Prague, Czech Republic, 2013.09.11-14) FENS Featured Regional Meeting
26. Mami Noda, Nozomi Akimoto, Kenji Honda, Daisuke Uta, Hidemasa Furue, Mizuho A. Kido, Keiji Imoto, Yukio Takano. A new target in the treatment for neuropathic pain induced by nerve injury. (Hamamatsu, Japan, 2013.09.04-07 (06)) The 11th?Korea-Japan Joint Symposium of Brain Sciences, and Cardiac and Smooth Muscle Sciences
27. Mami Noda, Possible contribution of dysfunction of AMPA-type glutamate receptor in microglia under pathological conditions. (Leipzig, Germany, 2013. 07.01-02(02)). eduGLIA, final meeting.
28. Mami Noda, Kyota Fujita, Margaret A. Hamner, Megumi Yamafuji, Nozomi Akimoto, Yusaku Nakabeppu, Bruce R. Ransom. Protective effects of molecular hydrogen against ischemic injury (New Orlenas, USA, 2012. 10.17-18(17)) Trans-Pacific Workshop on Stroke 2012.
29. Mami Noda, Kyota Fujita, Megumi Yamafuji, Mizuho A. Kido, Yoshinori Tanaka, Yusaku Nakabeppu. Role of glial cells in oxidative stress resistance in neurodegenerative diseases. Sympoiumu ““Neuroglia: the forgotten but emerging player in neurodegeneration” MNS 2012: 4th CONFERENCE OF THE MEDITERRANEAN NEUROSCIENCE SOCIETY (Istanbul, Turkey, 2012.09.30-10.2)
30. Mami Noda. Modulation of purinergic signaling and migration in microglia. Symposium “Purinergic signalling in microglial function and their interaction and modulation in the nervous system” (Fukuoka, Japan. 2012.5.31-6.02(6.01)) Purine2012 (Symposium organizer)
31. Mami Noda.?Mechanism of protective effects of molecular hydrogen against oxidative damage. Symposium “Physical Aspect of Medical Science” (Kaohsiung, Taiwan, 2012.5.18)
32. Mami Noda, Yuki Mori, Satoko Naoe, Nozomi Akimoto, Masataka Ifuku. Distinct signaling of GPCRs in microglial migration. (Gyeongju, Korea. 2012.2.18) The 10th Japan-Korea Joint Symposium on Brain, Cardiac and Smooth Muscles.
33. Mami Noda, Yuki Mori, Satoko Naoe, Nozomi Akimoto, Masataka Ifuku. Expression and function of GPCRs in microglia. Symposium “Physiopathplogy of calcium signaling” (Kitakyushu, Japan, 2012.01.20) International Workshop in UOEH 2012
34. Mami Noda. The functional role of neuropeptides and their signaling cascades in microglial migration. (Eilat, Israel, 2011.12.12)) The Israel Society for Neuroscience 20th Annual meeting: Israel-Japan Joint Sympoium
35. Noda M, Ifuku M. Bradykinin-, but not ATP- and galanin-induced microglial migration, depends on calcium influx through NCX. (Abstract p28) (Ischia, Italy, 2011.10.4) The 6th International Conference on Sodium Calcium Exchange
36. Mami Noda, Kyota Fujita, Mizuho A. Kido, Yusaku Nakabeppu. The molecular neurob iology of anti-oxidative stress induced by hydrogen. Symposium “Cellular redox signaling and mitochondrial function” (Taipei, Taiwan, 2011.9.12) 7th FAOPS (Federation of the Asian and Oceanian Physiological Society) Congress 2011 (Symposium organizer) (Abstract p28)
37. Mami Noda, Yuko Okuno, Masataka Ifuku. Neurotransmitter regulation of microglial motility and phagocytosis (Yeditepe University, Turky, 2011.9.6) Turkish FEPS (Federation of European Physiological Societies) Physiology Congress 2011
38. Mami Noda. Neuropeptide Receptors in Microglia and their Function. (Bilbao, Spain, 2011.6.13) Reflections in Neuroscience: Integration and disintegration in the brain (RINIDOB 2011)
39. Noda M., Seike T., Fujita K. Iguchi H. Microenvironment of metastasized tumor cells in the brain. (St. Petersburg, Russia, 2011.6. 8) III International Symposium “Interaction of nervous and immune systems in health and disease”
40. Mami Noda, Role of GluR2 Subunit of AMPA-type of Glutamate Receptor in Microglia, (Dalian, China, 2011.5.24) NeuroTalk 2011
41. Mami Noda, Brain metastasis of lung cancer and microenvironment in the brain. (Shenzhen, China, 2011.5.20) China-Japan symposium on cancer research
42. Mami Noda, Brain’s immune cells, microglia; its biology and pathology. (Beijing, China, 2010.5.16) 1st Annual World Congress of Immunodiseases and Therapy 2010
43. Mami Noda, Toshihiro Seike, Kyota Fujita, Soichi Takiguchi, Haruo Iguchi. Interaction between lung cancer cells and glial cells in brain metastasis. Symposium “New Directions for Brain Metastases” (Florida, USA, 2011.4.4) American Association for Canser Research (AACR), 102nd Annual Meeting (2011)
44. Mami Noda, Kaoru Beppu, Mizuho A. Kido, Kyota Fujita, Junichi Nabekura, Rolf Sprengel. Role of GluA2 (GluR-B) subunits of AMPA type of glutamate receptor in microglia. (Kagoshima, Japan, 2010.11.26) The 9th Japan-Korea Joint Symposium on Brain, Cardiac and Smooth Muscles. S4-2 (2010)
45. Toshihiko Katafuchi, Masataka Ifuku, Sachiko Take, Kyoko Izumi, Shoichi Otsubo, Mami Noda. Immunologically induced fatigue and glial cells. (Kagoshima, Japan, 2010.11.26) The 9th Japan-Korea Joint Symposium on Brain, Cardiac and Smooth Muscles. S1-3
46. M. Noda. Molecular hydrogen as medical gas; anti-oxidant and ROS-resistant effects in the nervous system. (Kaohsiung, Taiwan, 2010.9.23) 2010 Taiwan-Japan Bilateral Symposium-Nanotech and Health care
47. Mami Noda, Hydrogen as a simple anti-oxidant gas and its protective effects on Parkinson’s Disease. (Taipei, Taiwan, 2010.3.8) 3rd Japan-Taiwan mini-symposium 2010
48. Mami Noda. Modification of microglial function in response to glutamate and its possible participation in the neurodegenerative diseases. (La Serena, Chile, 2009.9.24) V Annual Meeting of the Sociedad Chilena de Neurociencia
49. Mami Noda, Bradykinin as an attractant of immune cells in the brain and its possible neuroprotective role. (Quebec, Canada, 2009.06.29) The 5th International symposium peptide receptors/KININ 2009
50. Mami Noda, Masataka Ifuku, Yuko Okuno, Yukiko Yamakawa Interaction between brain’s immune cells and neuropeptides. (Saint Petersburg Russia, 2009.06.17) International Symposium “Interaction of the nervous and immune systems in health and disease” (2009)
51. Mami Noda, Effects of neuropeptides in microglia under pathophysiologic conditions. (Goettingen, Germany, 2009.3.25) Eighth Goettingen Meeting of German Neuroscience Society (2009)
52. Mami Noda, Biological and pharmacological assay system for the brain metastases of peripheral tumor cells. (Taipei, Taiwan, 2009.3.4) The Second Taiwan-Japan Chinese Medicine Mini symposium. P56-59 (2009)
53. Mami Noda, Masataka Ifuku, Yuko Okuno, Yukiko Yamakawa. Brain’s immune cells and anti-inflammatory effects of neuropeptides. (Nurngberg, Germany, 2008.10.3) EHRLICH II 2nd World Conference on Magic Bullets (Celebrating the 100th Anniversary of the Nobel Prize Awarded to Paul Ehrlich) (2008)
54. M. Noda. Biological and pharmacological assay system for the central nervous system. (Taiwan, 2008.2.19) TW-JP Chinese Medicine Symposium in NRICM (2008)
55. Mami Noda. Glial cells: microglia. (Berlin, Germany, 2007.11.29) Berlin Brain Days, 4th international PhD Symposium & Seminar on Neuroinflammation (2007)
56. Mami Noda. Mechanisms how microglia migrate to the site of injury and inflammation. (Krasnoyarsk, Russia, 2007. 10.3) II Russia-Japan Workshop on Neurosciences (2007)
57. Noda M., Wang B., Pannasch U., Wada K., Kettenmann H. UP-REGUALTAION OF SPECIFIC TYPE OF KCNQ CHANNELS IN MICROGLIA UNDER PATHOLOGICAL CONDITION. (St. Petersburg, Russia. 2007.5.31-6.1) International Symposium “Interaction of the nervous and immune systems in health and disease” (2007)
58. M. Noda, B. Wang, U. Pannasch, H. Kettenmann, K. Wada. KCNQ channels in microglial cells and implications for inflammation and neuroprotection. 3rd ESN Conference on Advances in Molecular Mechanisms of Neurological Disorders (2007). (Salamanca, Spain, 2007.5.20)
59. Mami Noda, Toshihiro Seike, Kyota Fujita, Mizuho A. Kido, Teruo Tanaka, and Haruo Iguchi. Interaction between cancer cells and glial cells in microenvironment of brain metastasis. 2006’ International Symposium for Pharmaceutical Sciences in Beijing. (Beijing, China, 2006.10.11)
60. Noda, M., Seike, T., Fujita, K., Kido, M., Tanaka, T. Iguchi, H. The processes of adaptation of microglia in brain trauma and metastasis. (Moscow, Russia, 2006.6.22) VIII World Congress of International Society for Adaptive Medicine (ISAM) (2006)
61. Noda, M., Ifuku, M., Farber, K., Seike, T., Wang, B., Kettenmann, H., Wada, K. Protective effects of kinins via microglia in the brain. (Fukuoka, Japan, 2006.1.26) Asian Symposium for Pharmaceutical Science in JSPS Asian Core Program, p5-7 (2006)
62. Noda, M., Kariura, Y., Pannasch, U., Wang, L., Ifuku, M., Nolte, C., Nishikawa, K., Wang, B., Aoki, S., Kettenmann, H., Wada, K. Anti-inflammatory effects of BK in microglia. (Kitakyushu, Japan, 2005.7.24) The Fifth Japan-Korea Joint Symposium of Brain Sciences, and Cardiac and Smooth Muscles. (2005)
63. Noda, M. Microglia: a sensor for pathology and immune system in the central nervous system. (St. Petersburg, Russia, 2005. 6.17) Russian-Japanese Seminar on Immunoneuroendocrinology. (2005)
64. Noda, M., Kariura, Y., Kosai, Y., Pannasch, U., Wang, L., Kettenmannm, H., Nishikawa, K., Okada, T., Aoki, S., Wada, K. Anti-inflammatory effects of kinins via microglia in the central nervous system. 1st International Conference Exploring the Future of Local Vascular and Inflammatory Mediators. (2005) (Lund, Sweden, 2005.5.28)
65. Noda, M. Kariura, Y., Kosai, Y., Pannasch, U., Wang, L., Kettenmann, H., Nishikawa, K., Okada, S., Aoki, S., Wada, K. Inflammation in the CNS: The role of bradykinin in glial cells. In symposium: Mechanisms of neuron-microglia interaction. 6th Biennial Meeting of the Asian-Pacific Society for Neurochemistry (APSN) (Hong Kong, 2004.2.6)
66. M. Noda, S. Satsuki, H. Higashida, K. Wada, Cellular function of serotonin 5-HT5A receptor in glial cells. (Fukuoka, Japan, 2002.5.9-10) The Third International Symposium on the Study of Brain Function (2002)
67. Noda, M., Akaike, N., Higashida, H. Inhibition of M-type K+ currents by cognition enhancers in NG108-15 cells and rat cerebral neurons in culture. (Kanazawa, Japan, 1998.03.27-29) The 75th Annual Meeting of the physiological Society of Japan, Satellite Symposium. p27 (1998)

Seminars and lectures

1. Noda, M. Neuroprotective effects of molecular hydrogen; Innovation by a new medical gas (Guangxi University Hospital of Chinese Medicine, Guangxi, China, 2016. 07.10-14(14))
2. Noda, M. Physiology of microglia. (Guangxi University of Chinese Medicine, Guangxi, China, 2016. 07.10-14(14))
3. Noda, M. The role of thyroid hormon in microglial function. (MDC, Berlin, Germany, 2014. 07.15)
4. Noda, M. Hydrogen as a new medical gas: Protection of neurons agains oxidative stress (Institute of Brain and Mind Science, School of Medicine, National Taiwan University, Taipei, Taiwan, 2012.08.07)
5. Noda, M. Expression and function of neurotransmitter/neuromodulator receptors in microglia (National Taiwan University, Taipei, Taiwan, 2012.08.06) Summer training camp, special lecture
6. Noda, M. Microglial migration induced by bradykinin?and its neuroprotective role. (Department Psychiatry, University of Washington, Seattle, USA, 2007.12.12) Microglia Journal Club
7. Noda, M. Glial cells: microglia (Berlin, Germany, 2007.11.26-29 (29)) Berlin Brain Days, 4th international PhD Symposium & Seminar on Neuroinflammation
8. Noda, M. Importance of glia in the central nervous system; the role in pathophysiological condtions. (Department of Biochemistry, Medical Pharmaceutical & Toxicological Chemistry, Krasnoyarsk State Medical Academy, Russia, 2007. 10.5 )
9. Noda, M. The importance of glia. (Department of Pathophysiology, State University of St. Petersburg, Russia, 2007. 5.30)
10. Noda, M. Protective effects of kinin via microglia in the brain. (Department of Neurology, University of Washington, Seattle, USA, 2006.03.16)
11. Noda, M. Anti-inflammatory effects of kinins in microglia, an immune cell in the central nervous system. (Karolinska Institutet, Stockholm, Sweden, 2005. 5.30)
12. Noda, M. Physiological and molecular biological characterization of KCNQ channels in neuron and glia. (MDC, Berlin, Germany, 2005. 5.24)
13. Noda, M. AMPA-type of glutamate receptors in microglia. (MDC, Berlin, Germany, 2004. 10.7)
14. Noda, M. Expression and function of kinin receptor in microglia. (MDC, Berlin, Germany, 2003. 9.18)
15. Noda, M., Glutamate transporters and receptors in microglia. (UCL, London, UK, 1999. 7. 23)

Oral sessions

1. Mami Noda. Thyroid dysfunction and glial cells: possible contribution to neurological dysfunctions. (Tokyo, Japan, 2015.09.03-05 (04)) The 3rd Asian Clinical Congress (ACC3) in Tokyo.
2. Mami Noda, Kyota Fujita, Margaret A. Hamner, Megumi Yamafuji, Yoshinori Tanaka, Yusaku Nakabeppu, Bruce R. Ransom. ROLE OF OLIGODENDROCYTES IN THE PROTECTIVE EFFECTS OF MOLECULAR HYDROGEN AGAINST WHITE MATTER ISCHEMIC INJURY. (Merida, Mexico, 2013. 04.17-20 (20)) ISN (International Society for Neurochemistry, American Society for Neurochemistry) 24th Biennial Joint Meeting, Glial Sattelite
3. Kaoru Beppu, Taiki Miyamoto, Yuko Okuno, Mami Noda, Dysfunction of AMPA type of glutamate receptors in microglia and pathophysiological implication.. All Russian Students’ seminar for Fundamental Science and Clinical Medicine. (2009) (St. Petersburg, Russia, 2009.4.18)
4. Mami Noda, Toshihiro Seike, Kyouta Fujita, Mizuho A. Kido, and Haruo Iguchi. The role of glial cells in brain metastases of tumor cells The 17th Interational Conference on Brain Tumor Research & Therapy (2008) p32 (Hakodate, 2008 7.10)
5. Noda M, Kariura Y., Kosai Y, Pannasch U, Wang L, Kettenmannm H, Nishikawa K, Okada T, Aoki S, Wada K. Anti-inflammatory effects of kinins via microglia in the central nervous system. 1st International Conference Exploring the Future of Local Vascular and Inflammatory Mediators. (2005) (Lund, Sweden, 2005.5.28)
6. Haruhiro Higashida, Jia-Sheng Zhang, Xiao-Liang Chen, Yeonsook Shin, Mami Noda, Hoshi Naoto, Minako Hashii, Zen-Guo Zhong, Alla Egorova, Duo Jin and Shigeru Yokoyama. Subytpe-specific coupling with ADP-ribosyl cyclase of metabotropic glutamate and muscarinic receptors in retina and cervical superior ganglion. The 4th International Symposium on Receptor Mechanisms, Signal Transduction and Drug Effects (Fukui, Japan, 2003. 5.22-24)

Panels

1. Mami Noda, Ai Kobayashi. Neuroprotective effect of nicotine by inhibition of microglial proton currents via ?7 nAChRSociety for Neuroscience, (San Diego, USA, 2016.11.12-16 (12)) 46th Annual Meeting. 37.18
2. Mami Noda, Chieri Higashi, Jiadai Liu. Neuroprotective effect of molecular hydrogen in diabetic mouse model. (Copenhagen, Denmark, 2016.07.02-06(03), 10th FENS Forum of Neuroscience)
3. Jiadai Liu, Mami Noda. Protective effect of Na-DNA on pressure ulcer and elucidation of its mechanism. (Bangkok, Thailand, 2015.11.22-25) 8th FOAPS Congress)
4. Mami Noda, Jiadai Liu, Yusuke Yoshii, Yusaku Yoshioka. Impact of thyroid hormone on glial function and morphology. (Chicago, USA, 2015.10.17-21(18) Society for Neuroscience, 45th Annual Meeting. 128.18
5. Jiadai Liu, Satoko Naoe, Taishi Jodoi, Soichi Takiguchi, Haruo Iguchi, Mami Noda. Interaction between glia cells and lung cancer cells in microenvironment of brain metastases. (Wuzhen, China, 2015.09.20-23(22)) 6th FAONS: Congress & the 11th Biennial Conference of CNS
6. Mami Noda, Takuma Yoshimura, Liu Jiadai, Yusuke Yoshii. Glioendocrine system of thyroid hormone and its effect on microglia. (Bilbao, Spain, 2015.07-15-18 (16)) XII European Meeting on Glial Cells in Health and Disease (EuroGLIA 2015)
7. Mami Noda, Yuki Mori, Takuma Yoshimura, Liu Jiadai, Yusuke Yoshii, Sex- and age-dependent effects of thyroid hormones on microglial functions. (Ventura, USA, 2015.03.01-06(04-05)) Gordon Research Conferences-Glial Biology: Functional Interactions Among Glia & Neurons.
8. Mami Noda, Akio Matsumoto, Megumi Yamafuji, Taikai Inoue, Tomoko Tachibana, Haruaki Nakaya, Yusaku Nakabeppu. Distinct mechanism of neuroprotection by medical gas in Parkinson’s disease model animal. (Washington DC, USA, 2014.11.15-19) Society for Neuroscience, 44th Annual Meeting.
9. Mami Noda, Yuki Mori, Daichi Tomonaga. Interaction between thyroid hormone receptor and GABA receptor and their signaling in microglial migration. (Tokyo, 2014.09.20-22) ISN (International Society for Neurochemistry) Special Conference 2014.
10. Mami Noda, Yuichiro Kojima, Nozomi Akimoto, Shirin Akther, Shigeru Yokoyama, Haruhiro Higashida. Expression of CD38 in the hypothalamus and pituitary and up-regulation of CD38 in activated microglia. (Milan, Italy, 2014.07.05-09 (08)) 9th FENS Forum of Neuroscience
11. Mami Noda, Kyota Fujita, Margaret A. Hamner, Chieri Higashi, Megumi Yamafuji, Nozomi Akimoto, Mizuho A. Kido, Yoshinori Tanaka, Yusaku Nakabeppu, Bruce R. Ransom. Importance of oligodendrocytes in oxidative stress-resistance in white matter ischemic injury. (Berlin, Germany, 2013.07.03-06(05-06)) EuroGlia2013?(GLIA Volume 61, Issue Supplement 1, S178, T10-40A, July 2013)
12. Masataka Ifuku, Shamim Hossain, Mami Noda, Toshihiko Katafuchi. Peripheral poly I:C-induced neuroinflammatioin: role of Toll-like receptor 3 (TLR3) in microglia. (Berlin, Germany, 2013.07.03-06(03-04)) EuroGlia2013 (GLIA Volume 61, Issue Supplement 1, S67, T03-08B, July 2013)
13. Nozomi Akimoto, Kenji Honda, Daisuke Uta, Hidemasa Furue, Mizuho A. Kido, Keiji Imoto, Yukio Takano, Mami Noda. CCL-1 in the spinal cord contributes to neuropathic pain induced by nerve injury. (Berlin, Germany, 2013.07.03-06(03-04)) EuroGlia2013 (GLIA Volume 61, Issue Supplement 1, S154, T10-02A, July 2013)
14. Akimoto N., Honda K., Uta D., Furue H., Imoto K., Takano Y., Noda M. CHEMOKINE LIGAND CCL-1 IN THE SPINAL CORD CONTRIBUTES TO NEUROPATHIC PAIN INDUCED BY NERVE INJURY. (Saint Petersburg, Russia, 2013.06.18-21?19?) IV INTERNATIONAL SYMPOSIUM, “Interaction of nervous and immune systems in health and disease”
15. Liu J., Fujita K., Hsu W-L., Yoshioka T., Noda M. EFFECTS OF DERINAT ON UVB-INDUCED PRODUCTION OF REACTIVE OXYGEN SPECIES, DNA DAMAGE AND CELL INFLAMMATION IN KERATINOCYTES. (Saint Petersburg, Russia, 2013.06.18-21?19?) IV INTERNATIONAL SYMPOSIUM, “Interaction of nervous and immune systems in health and disease”
16. Nozomi Akimoto, Kenji Honda, Daisuke Uta, Hidemasa Furue, Keiji Imoto, Yukio Takano, Mami Noda. The relationship between CCL-1 and neuron/glia in the neuropathic pain model (New Orleans, USA, 2012.10.13-17(17)) Society for Neuroscience, 42nd Annual Meeting, 737.15
17. M. IFUKU, K. IZUMI, S. OTUBO, M. NODA, T. KATAFUCHI. Microglia-derived IL-1? is involved in poly I:C-induced fatigue. (New Orleans, USA, 2012.10.13-17(16)) Society for Neuroscience, 42nd Annual Meeting, 660.14
18. T. KATAFUCHI, M. IFUKU, S. MAWATARI, M. NODA, K. MIAKE, M. SUGIYAMA, T. FUJINO. (New Orleans, USA, 2012.10.13-17(16)) Society for Neuroscience, 42nd Annual Meeting, 660.14
19. Mami Noda, Kyota Fujita, Margaret A. Hamner, Megumi Yamafuji, Nozomi Akimoto, Mizuho A. Kido, Yoshinori Tanaka, Yusaku Nakabeppu, Bruce R. Ransom, Molecular hydrogen protects against central nervous system white matter ischemic injury. (New Orleans, USA, 2012.10.13-17(14)) Society for Neuroscience, 42nd Annual Meeting, 249.14
20. Mizuho A Kido, Bing Wang, Reona Aijima, Tomoka Takao, Motohiro Nishida, Yasuyoshi Ohsaki, Jing Qi Zhang, Atsuko Mizuno, Makoto Suzuki, Mami Noda. Oral Epithelial Cells are Osmo-sensitive and regulate epithelial barrier via TRPV4. (New Orleans, USA, 2012.10.13-17(13)) Society for Neuroscience, 42nd Annual Meeting, 37.14
21. Yuki Mori, Nozomi Akimoto, Masataka Ifuku, Mami Noda. Effect of thyroid hormone on microglial migration and phagocytosis. (Barcelona, Spain, 2012.07.14-18 (14)) 8th FENS Forum of European Neuroscience, FENS Abstr., E1-37 (2012)
22. Mami Noda, Kyota Fujita, Megumi Yamafuji, Mizuho A. Kido, Yoshinori Tanaka, Yusaku Nakabeppu. Hydrogen-induced resistance against oxidative stress in Parkinson’s disease model mice. (Barcelona, Spain, 2012.07.14-18 (15)) 8th FENS Forum of European Neuroscience, FENS Abstr., C1-33 (2012)
23. Kyota Fujita, Fumiko Inoue, Megumi Yamafuji, Kaoru Beppu, Mizuho A. Kido, Yoshinori Tanaka, Yusaku Nakabeppu, and Mami Noda. Hydrogen confers resistance to neuronal loss on dopaminergic neurons in mice model of Parkinson’s disease.) Society for Neuroscience, 41st Annual Meeting, 52.17 (2011) (Washington DC. USA. 2011.11.12)
24. Ifuku M, Izumi K, Otubo S, Noda M, Katafuchi T. Microglia-derived IL-1beta is involved in central mechanisms of fatigue EuroGlia2011 (10th European meeting on Glial cells in Health and Disease) (Prague, Czech, 2011.9.17)
25. Nozomi Akimoto, Kenji Honda, Yukio Takano, Mami Noda. The relationship between CCL-1 and neuron/glia in the neuropathic pain model. EuroGlia2011 (10th European meeting on Glial cells in Health and Disease) (Prague, Czech, 2011.9.15)
26. Ai Kobayashi, Toshio Narahashi, Mami Noda. Nicotine inhibits activation of microglial proton currents via interactions with ?7 acetylcholine receptors EuroGlia2011 (10th European meeting on Glial cells in Health and Disease) (Prague, Czech, 2011.9.13)
27. Mami Noda, Kaoru Beppu, Mizuho A. Kido, Rolf Sprengel. Glutamate receptors in microglia and their loss of function in pathologic conditions. Gordon Research Conference on Glial Biology: Functional Interaction between Glia & Neuron. (2011) (Ventura, USA. 2011.3.6.10-11)
28. Akimoto N, Honda K, Ushijima Y, Nakashima S, Noda M, Takano Y. Chemotactic cytokine ligand-1 (CCL-1) contributes to neuropathic pain in mice. Society for Neuroscience, 40th Annual Meeting, 175.3 (2010) (San Diego, USA, 2010.11.14)
29. Beppu K, Kosai Y, Kido MA, Shinagawa R, Shigemoto R, Sprengel R, Noda M. Physiological role of GluR2 subunits of AMPA type of Glutamate Receptor in Microglia and pathophysiological implication. Society for Neuroscience, 40th Annual Meeting, 848.7 (2010) (San Diego, USA, 2010.11.17)
30. Ifuku M, Izumi K, Soichi Otubo2, Naoe S, Noda M, Katafuchi T. Activation of microglia is important in polyinosinic-polycytidylic acid (poly I:C)-induced fatigue. Society for Neuroscience, 40th Annual Meeting, 879.20 (2010) (San Diego, USA, 2010.11.17)
31. Noda M., Fujita K., Seike T., Ohno M., Kido M. A., Katafuchi T. & Nakabeppu Y. Gas mediator hydrogen as a tool for protection of Parkinson’s disease. World Pharma2010, Abstr. No.2235 (2010) (Copenhagen, Denmark, 2010.7.17-21)
32. Noda M., Fujita K., Seike T., Ohno M., Kido M. A., Katafuchi T. & Nakabeppu Y. Hydrogen gas has protective effects on animal model of Parkinson’s disease. 7th FENS Forum of European Neuroscience, FENS Abstr., vol.5, 107.24, (2010) (Amsterdam, Netherland, 2010.7.5)
33. Kyota Fujita. Toshihiro Seike, Noriko Yutsudo, Mizuki Ohno, Hidetaka Yamada, Hiroo Yamaguchi, Kunihiko Sakumi, Yukiko Yamakawa, Mizuho A. Kido, Atsushi Takaki, Toshihiko Katafuchi, Yoshinori Tanaka, Yusaku Nakabeppu, and Mami Noda. Hydrogen in Drinking Water Reduces Dopaminergic Neuronal Loss in the 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine Mouse Model of Parkinson’s Disease Kyushu Brain Days, International Student Symposium, A-4, p26 (2009) (Fukuoka, Japan, 2009.11.8)
34. Kyota Fujita. Toshihiro Seike, Noriko Yutsudo, Mizuki Ohno, Hidetaka Yamada, Hiroo Yamaguchi, Kunihiko Sakumi, Yukiko Yamakawa, Mizuho A. Kido, Atsushi Takaki, Toshihiko Katafuchi, Yoshinori Tanaka, Yusaku Nakabeppu, and Mami Noda. Hydrogen in Drinking Water Reduces Dopaminergic Neuronal Loss in the 1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine Mouse Model of Parkinson’s Disease Kyushu Brain Days, International Student Symposium, A-4, p26 (2009) (Fukuoka, Japan, 2009.11.8)
35. Yukiko Yamakawa, Kyota Fujita, Toshihiro Seike, Mizuho A. Kido, Haruo Iguchi, and Mami Noda. Astrocytes Promote the Proliferation of Lung Cancer Cells in Brain Metastases via inflammatory cytokines, especially IL-6. Kyushu Brain Days, International Student Symposium, P-08, p33 (2009) (Fukuoka, Japan, 2009.11.8)
36. Yuko Okuno, Masataka Ifuku, Toshihiko Katafuchi, Mami Noda. Inhibitory effects of orexin A on ATP-induced microglial migration and its possible functional role in the brain. Kyushu Brain Days, International Student Symposium, P-01, p30 (2009) (Fukuoka, Japan, 2009.11.8)
37. L.P. Churilov, Yu. I. Stroev, M. Noda, A.V. Kalashnikova.?NEURODEGENERATIVE DISORDERS, SOMATOTYPE, MICROGLIA AND THYROID FUNCTION INTERNATIONAL CONFERENCE – Prevention of Age-related Diseases (Shanghai, China, Fudan University, 2009.10.28-31)
38. Kyota Fujita, Toshihiro Seike, Hidetaka Yamada, Yukiko Yamakawa, Mizuki Ohno, Hiroo Yamaguchi, Mizuho A. Kido, Yoshinori Tanaka, Atsushi Takaki, Toshihiko Katafuchi, Yusaku Nakabeppu & Mami Noda. Low concentration of hydrogen in drinking water shows protective effects on dopaminergic neurons in Parkinson’s disease model mice. Society for Neuroscience, 39th Annual Meeting, 239.23 (2009) (Chicago, USA, 2009.10.17)
39. Masataka Ifuku, Yuko Okuno, Kyoko Izumi, Toshihiko Katafuchi, Mami Noda. Functional importance of inositol-1,4,5-triphosphate (IP3)-induced intracellular Ca2+ mobilization for galanin (GAL)-induced microglial migration. EuroGlia2009 (9th European meeting on Glial Cells in Health and Disease) (Paris, France, 2009.9.10)
40. Yuko Okuno, Masataka Ifuku, Mami Noda. Inhibitory effects of orexin A on ATP-induced microglial migration. EuroGlia2009 (Paris, France, 2009.9.10)
41. Masataka Ifuku, Yuko Okuno, Kyoko Izumi, Mami Noda. Microglial migration was increased by neuropeptide galanin via activation of galanin receptors 2 (GalR2) and its signaling pathway. IUPS2009 (International Congress of Physiological Sciences) (Kyoto, Japan, 2009.07.27-30)
42. Noda M, Okuno Y, Yamakawa Y, Ifuku M. Neuropeptides as meesengers to microglia in response to pathologic conditions. IUPS2009 (Kyoto, Japan, 2009.07.27-30)
43. Kyota Fujita, Toshihiro Seike, Yukiko Yamakawa, Mizuki Ohno, Hiroo Yamaguchi, Hidetaka Yamada, Toshihiko Katafuchi, Atsushi Takaki, Mizuho Kido, Yusaku Nakabeppu and Mami Noda. Low concentration of hydrogen gas has protective effects on dopaminergic neurons in Parkinson’s disease model mice. IUPS2009 (Kyoto, Japan, 2009.07.27-30)
44. Kyota Fujita, Toshihiro Seike, Yukiko Yamakawa, Mizuki Ohno, Hiroo Yamaguchi, Hidetaka Yamada, Toshihiko Katafuchi, Atsushi Takaki, Mizuho Kido, Yusaku Nakabeppu and Mami Noda. Protective effects of hydrogen in drinking water in a mouse model of Parkinson’s disease. Gordon Research Conference on Glial Biology: Functional Interaction between Glia & Neuron. (2009) (Ventura, USA. 2009.3.14)
45. Yukiko Yamakawa, Kyota Fujita, Toshihiro Seike, Mizuho A. Kido, Haruo Iguchi and Mami Noda. Cytokine released from astrocytes promote proliferation of lung cancer cells in brain metastases. Berlin Brain Days; 5th International PhD Symposium. E13, p90. (Berlin, Germany, 2008.12.11-12)
46. Yuko Okuno, Masataka Ifuku, Mami Noda. Effects of neuropeptide orexin on microglial migration. Berlin Brain Days; 5th International PhD Symposium. E10, p87. (Berlin, Germany, 2008.12.11-12)
47. Hiroko Nomaru, K. Kajitani, M. Ifuku, N. Yutsudo, Y. Dan, T. Miura, D. Tsuchimoto, K. Sakumi, T. Kadoya, H. Horie, F. Poirier, M. Noda, Y. Nakabeppu. Galectin-I promotes basal and kainite-induced proliferation of neural progenitors in the dentate gyrus of adult mouse hippocampus. Berlin Brain Days; 5th International PhD Symposium. E10, p86. (Berlin, Germany, 2008.12.11-12)
48. Kyota Fujita, Toshihiro Seike, Yukiko Yamakawa, Mizuki Ohno, Hiroo Yamaguchi, Hidetaka Yamada, Toshihiko Katafuchi, Atsushi Takaki, Mizuho Kido, Yusaku Nakabeppu and Mami Noda. Protective effects of hydrogen in drinking water in a mouse model of Parkinson’s disease. Berlin Brain Days; 5th International PhD Symposium. E3. p80. (Berlin, Germany, 2008.12.11-12)
49. Kyota Fujita, Toshihiro Seike, Yukiko Yamakawa, Mizuki Ohno, Hiroo Yamaguchi, Hidetaka Yamada, Toshihiko Katafuchi, Atsushi Takaki, Mizuho Kido, Yusaku Nakabeppu and Mami Noda. Effects of hydrogen in drinking water on a mouse model of Parkinson’s Disease. Kyushu-Busan International Joint Seminar (2008) (Fukuoka, Japan, 2008.11.28)
50. Masataka Ifuku, Yuko Okuno, Yukiko Yamakawa, Mami Noda. Galanin-induced migration and activation of microglia is mediated by galanin receptor 2 (GalR2) pathway. Society for Neuroscience, 38th Annual Meeting, 637.29 (2008) (Washington DC, USA, 2008.11.18)
51. Kido MA, Wang B, Zhang JQ, Kajiya H, Noda M, Yamaza T, Okamoto F, Okabe K. Charactererization of TARPV1-immunoreactive cells of the palatal rugae in the oral cabvity. Society for Neuroscience, 38th Annual Meeting, 64.23 (2008) (Washington DC, USA, 2008.11.15)
52. Katafuchi T., Take S., Ifuku M., Izumi K., Noda M., Yoshimura M. Brain mechanisms of immunologically induced fatigue in the rat. International Conference on Fatigue Science 2008, Program & Abstract book p.48 (2008) (Okinawa, 2008. 9.3-5)
53. Mami Noda, Masataka Ifuku, Yukiko Yamakawa, Yuko Okuno. Role of neuropeptide galanin in microglia. 6th FENS Forum (2008) 148.9 (Geneva, Switzerland, 2008.7.15)
54. Mami NODA, B. WANG, E. ISHIKAWA, H. OOBOSHI, M. A. KIDO, K. WADA; Up-regulation of KCNQ channels in activated microglia.?Society for Neuroscience, 37th Annual Meeting, 479.3 (2007) (San Diego, USA, 2007.11.5)
55. Mami Noda, Yuko Kamiyama, Mizuho A. Kido, Kyota Fujita, Toshihiro Seike, Teruo Tanaka, Haruhiro Higashida. Double-label immunofluorescent staining of CD38 and oxytocin in the mouse hypothalamus and posterior pituitary. VIIth World Congress on Neurohypophysial Hormones (2007) (Regensburg, Germany, 2007. 9.20)
56. Masataka Ifuku, Yuko Okuno, Keiji Wada, Mami Noda. Effects of neuropeptide galanin on microglial migration. VIII. EuroGlia (European Meeting on Glial Cells in Health and Disease) (2007) (London, UK, 2007.9.6)
57. Mami Noda, Toshihiro Seike, Kyouta Fujita, Mizuho A. Kido, Teruo Tanaka, and Haruo Iguchi. The role of glial cells in brain metastases. Gordon Research Conference on Glial Biology: Functional Interaction between Glia & Neuron. (2007) (Ventura, USA. 2007.3.14)
58. T. Amano, E. Wada, D. Yamada, M. Noda, K. Wada, M. Sekiguchi, Facilitated conditioned fear response and the amygdala long-term potentiation (LTP) in neurotensin receptor type-1 (NTR1) knockout (KO) mice. Society for Neuroscience, 36th Annual Meeting, 668.17 (2006) (Atlanta, USA, 2006.10.17)
59. Y. Honda-Ohnishi, Y. N. Ohnishi, H. Ishibashi, K. Eto, K. Sakumi, M. Noda, Y. Nakabepppu, FosB and ?FosB determine susceptibility to excitotoxicity induced by kainate. Society for Neuroscience, 36th Annual Meeting, 473.6 (2006) (Atlanta, USA, 2006.10.16)
60. Iguchi, H., Seike, T., Fujita, K., Kido, M., Tanaka, T., Noda, M. Interaction of cancer cells with glial cells in microenvironment of brain metastasis. The 11th International Congress of Metastasis Research Society Jointed with the 15th Annual Meeting of Japanese Association for Metastasis Research (2006) (Tokushima, Japan, 2006.9.3-6)
61. Noda, M., Ifuku, M., Färber, K., F. Merrino, F. V., Wang, B., Bader, M., Nolte, C., Wada, K., Helmut, H. Bradykinin-induced microglial migration mediated by B1-type of bradykinin receptors depends on Ca2+ influx via reverse mode of Na+/Ca2+ exchanger 5th Forum of European Neuroscience (2006) (Vienna, Austria, 2006.7.11)
62. Noda, M., Ifuku, M., Farber, K., Kettenmann, H., Wada, K. Kinin-induced microglial migration and anti-inflammatory effects in the central nervous system. 37th Annual Meeting of the American Society for Neurochemistry (2006) (Portland, USA, 2006.3.12-13)
63. Honda-Oonishi, Y., Oonishi, Y., Kei-ichiro, T., Ishibashi, H., Eto, K., Kajitan, K, Sakami, K., Noda, M., Goto, S., Nakabeppu, Y. ?FosB determines resistance to excitotoxicity induced by kainic acid. Society for Neuroscience, 35th Annual Meeting, 1015.11 (2005) (Washington DC, USA, 2005.11.16)
64. Eto, K., Kajiwara, M., Noda, M., Ishibashi, H. Facilitation of glutamate release by antidepressant drugs in rat locus ceruleus. Society for Neuroscience, 35th Annual Meeting, 381.17 (2005) (Washington DC, USA, 2005.11.14)
65. Noda, M., Sato, A., Manago, Y., Nishikawa, K., Amano, T., Aoki, K., Wada, E., Osaka, H., Setsuie, R., Sakurai, M., Aoki, S., Wada, K. A possible role of parkin in neurotransmission; potentiation of P2X receptor channels. Society for Neuroscience, 35th Annual Meeting, 210.2 (2005) (Washington DC, USA, 2005.11.13)
66. Hatano, Y., Noda, M., Ishibashi, H. Effects of non-narcotic antitussives on 5-HT(3)-receptor-mediated currents in acutely isolated rat nodose ganglion neurons. The Fifth Japan-Korea Joint Symposium of Brain Sciences, and Cardiac and Smooth Muscles. (2005) (Kitakyushu, Japan, 2005.7.23)
67. Wang, B., Pannasch, U., Hatano, Y., Aoki, S., Kettenmann, H., Wada, K., Noda, M. Characters of KCNQ channels in microglia. The Fifth Japan-Korea Joint Symposium of Brain Sciences, and Cardiac and Smooth Muscles. (2005) (Kitakyushu, Japan, 2005.7.23)
68. Eto, K., Kajiwara, M., Noda, M., Ishibashi, H. Tricyclic antidepressnat desipramine facilitated glutamate release from presynaptic nerve terminals. The Fifth Japan-Korea Joint Symposium of Brain Sciences, and Cardiac and Smooth Muscles. (2005) (Kitakyushu, Japan, 2005.7.23)
69. Ifuku, M., Wang, B., Noda, M. Functional importance of Ca2+-activated K+ channels for bradykinin-induced microglial migration. The Fifth Japan-Korea Joint Symposium of Brain Sciences, and Cardiac and Smooth Muscles. (2005) (Kitakyushu, Japan, 2005. 7.23)
70. Higashida, H., Hoshi, N., Zhang, J-Z., Hashii, M., Noda, M., Robbins, J. Protein kinase C bound with A-kinase anchoring protein in muscarinic or bradykinin receptor-activated modulation of M-type KCNQ potassium channels. 1st International Conference Exploring the Future of Local Vascular and Inflammatory Mediators. (2005) (Lund, Sweden, 2005. 5.28)
71. Ifuku, M., Wang, B., Noda, M. Activation of Ca2+-dependent K+ channels is essential for bradykinin-induced microglial migration. EuroGlia (VII. European Meeting on Glial Cell Function in Health and Disease) 2005 (Amsterdam, The Netherlands, 2005. 5.17)
72. Noda M, Kosai Y, Kido MA, Tanaka T, Wada K. AMPA-type of glutamate receptors in microglia. Gordon Research Conference on Glial Biology: Functional Interaction between Glia & Neuron. (Ventura, California, USA, 2005.3.16)
73. Noda M, Kosai Y, Kido MA, Tanaka T, Sekiguchi M, Wada K. Membrane translocation of GluR2 subunit of AMPA-type of glutamate receptors and inhibition of glutamate-induced currents in activated microglia. Society for Neuroscience, 34th Annual Meeting, 975.6 (2004) (San Diego, USA, 2004.10.27)
74. Noda M, Kosai Y, Kido MA, Tanaka T, Sekiguchi M, Wada K. Membrane translocation of GluR2 subunit of AMPA-type of glutamate receptors and inhibition of glutamate-induced currents in activated microglia. Society for Neuroscience, 34th Annual Meeting, 975.6 (2004) (San Diego, USA, 2004.10.27)
75. Amano T, Aoki S, Setsuie R, Sakurai M, Noda M, Wada K. Identification of a novel regulatory mechanism of NET activity by IP3 receptor- Ca2+-CaM pathway. Society for Neuroscience, 34th Annual Meeting, 280.2 (2004) (San Diego, USA, 2004.10.21-27)
76. Higashida, H., Mochida, S., Chen, X., Shin, Y., Zhang, J., Hossain, K., Hoshi, N., Hashii, M., Noda, M., Shigemoto, R., Nakanishi, S., Fukuda, Y., Yokoyama, S. Subtype-specific coupling of ADP-rybosyl cyclase of metabotropic glutamate receptors in retina, cervical superior ganglion and NG108-15 cells. Society for Neuroscience, 33rd Annual Meeting,801.15 (2003) (New Orleans, USA, 2003.11.7-12)
77. Noda, M., Amano, T., Aoki, S., Wada, K. KCN channels in glial cells. Society for Neuroscience, 33rd Annual Meeting, 53.9 (2003) (New Orleans, USA, 2003.11.7-12)
78. Johansson, J.U., Lilja, L., Chen, X., Hogashida, H., Meister, B., Noda, M., Zhong, Z., Yokyama, S., Berggren, P., Bark, C. Stimulation of functional synapose formation by cyclin-dependent kinase 5 activators p35 and p39. Society for Neuroscience, 33rd Annual Meeting, 52.1 (2003) (New Orleans, USA, 2003.11.7-12)
79. Noda, M. Kariura, Y., Wang, B. Wada, K. Function of bradykinin receptors in microglia. EuroGlia (Sixth European Meeting on Glial Cell Function in Health and Disease) 2003 (Berlin, Germany, 2003. 9.3-6)
80. Noda, M. Kariura, Y., Amano, T., Manago, Y., Nsihikawa, K., Aoki, S., Wada, K. Expression and function of bradykinin receptors in microglia. Gordon Research Conference. (Ventura, USA, 2003. 2.23-28)
81. Osaka, H., Wang, Y. L., Sato, Y., Setsuie, R., Sakurai, M., Takada, K., Noda, M., Wada, K. Ubiquitin carboxy-terminal hydrolase mediates ubiquitin stability and function in neurons. Society for Neuroscience, 32nd Annual Meeting, 482.22 (2002) (Orlando, USA, 2002.11.3-7)
82. Noda, M., Kanahori, Y., Shimada, A., Nishikawa, K., Aoki, S., Osaka, H., Wada, K. Regulation of ATP receptor by a de-ubiquitinating isozyme. Society for Neuroscience, 32nd Annual Meeting, 482.21 (2002) (Orlando, USA, 2002.11.3-7)
83. Wada K., Osaka, H., Wang, Y-L, Harada, T., Takada, K., Noda, M. Role of ubiquitin carboxy-terminal hydrolase in ubiquitin stability and neural cell function. FASEB Summer Conference (2002) (Corolado, USA, 2002.6.15-20)
84. Y. Kariura, K. Nishikawa, S. Aoki, K. Wada, M. Noda, Expression and function of bradykinin receptor in microglia. The Third International Symposium on the Study of Brain Function (2002) (Fukuoka, Japan, 2002.5.9-10)
85. S. Shimada, Y. Kanahori, K. Wada, M. Noda, Regulation of ATP receptor by de-ubiquitinating isozyme, The Third International Symposium on the Study of Brain Function (2002) (Fukuoka, Japan, 2002.5.9-10)
86. Osaka, H., Wang, YL., Takada, S. Li, H., Sato, Y., Nishikawa, K., Sun, YJ., Sakurai, M., Harada, T., Hara, Y., Kimura, I., Noda, M., Namikawa, K., Kiyama, H., Aoki, S., Wada, K. Ubiquitin Carboxy-Terminal Hydrolase L1 mediates ubiquitin stability and function in neurons. The COE International Sumposium on Recent Advances in Research for Neurodegeneration (Tokyo, 2002.3.6)
87. Osaka, H., Wang, YL., Takizawa, S., Aoki, S., Sakurai, M., Li, H., Hara, Y., Takada, K., Noda, M., Wada, K. Ubiquitin C-terminal hydrolase as a regulator of ubiquitin level. Society for Neuroscience, 31st Annual Meeting.?195.15 (2001) (San Diego, USA, 2001.11.10-15)Okada, M., Yamanouchi, Y., Urae, R., Noda, M., Irie, S., Ozaki, N., Iwata, N. Diverse effects of forskolin on extracellular acidification in CHO cells and C6 glioma cells as assessed with a cytosensor microphysiometer. Society for Neuroscience, 31st Annual Meeting.?42.6 (2001) (San Diego, USA, 2001.11.10-15)
88. Furuta, A., Noda, M., Goto, Y. Suzuki, S.O. Rothstein, J.D., Iwaki. T Expressions of glutamate transporter subtypes in kainite-induced rat epilepsy. Society for Neuroscience, 31st Annual Meeting.?815.5 (2001) (San Diego, USA, 2001.11.10-15)
89. Noda, M., Y. Hagino, M. Sekiguchi, T. Harada, and K. Wada. Potentiating effect of PEPA (4-[2-(phenylsulfonylamino)ethylthio]-2,6-difluoro-phenoxyacetaqmide) on AMPA type of glutamate receptor in rat microglia. Society for Neuroscience, 31st Annual Meeting.?612.6 (2001) (San Diego, USA, 2001.11.10-15)
90. Brown, D.A., Nakanishi, N., Noda, M. Bradykinin receptor in rat primary cultured microglia. XXXIV International Congress of Physiological Sciences (2001) (Christchurch, New Zealand, 2001.8.26-31)
91. Higashida, H., Egorova A., Higashida, C., Zhong, Z-G., Yokoyama, S., Noda, M., Zhang J-S. Increased cADP-ribose synthesis by activation of adrenergic receptors with norepinephrine in ventricular muscle cell membrane is involved in upregulation of cardiac function by sympathetic stimulation. The 9th International Catecholamine symposium (2001) (Kyoto, Japan, 2001.3.31-4.5)
92. Noda, M., Amamoto, T., Okada, M., Nakanishi, H., Ando, S., Yazawa, K., Fujiwara, M., and Tomonaga, M. Caloric restrction lessends age-related imparement of LTP: Little involvement of changes in membrane arachidonic acid. Society for Neuroscience, 30th Annual Meeting.467.7 (2000) (New Orleans, USA., 2000.11.4-9)
93. Noda, M., Nakanishi, H. Neuron-microglia interaction via glutamate. IV European Meeting on Glial Cell Function in Health and Disease, p82 (2000) (Barcelona, Spain, 2000. 5.24-27)
94. Noda, M., Nakanishi, H., Nabekura, J. Akaike, N. Glutamate receptor in rat cerebral microglia. Society for Neuroscience, 29th Annual Meeting. p840 (1999) (Miami, USA., 1999.10.21-26)
95. Noda, M., Nakanishi, H., Akaike, N. Glutamate release from rat microglia via reversed glutamate transporter is encreased by amyloid ?-peptide. Society for Neuroscience, 28th Annual Meeting. p1797 (1998) (Los Angeles, USA.)
96. Noda, M., Nakanishi, H., Akaike, N. Enhancement of electrogenic glutamate transport in the microglia by amyloid-? peptide. Society for Neuroscience, p1634 (New Orleans, USA., 1997)
97. Noda, M., Higashida, H. (1996) Streptozotocin, an inducer of NAD+ decrease, attenuates M-potassium current inhibition in NG108-15 cells. Neuroscience Research 22 (7): 886
98. Noda, M., Shepherd, R.N., Nakao, M., and Gadsby, D.C. (1989) Inward current attributable to Na/Ca exchange in internally-dialyzed guinea-pig ventricular myocytes. FASEB Journal 3: A846
99. Noda, M., Nakao, M., Shepherd, R.N., and Gadsby, D.C. (1988) Dependence on [Ca]i, [Ca]o, and [Na]i, and block by 3′,4′-dichlorobenzamil, of outward Na/Ca exchange current in guinea-pig ventricular myocytes. J. Mol. Cell. Cardiol. 20:S40
100. Gadsby, D.C., Nakao, M., Noda, M., and Shepherd, R.N. (1988) [Na] dependence of outward Na/Ca exchange current in guinea-pig ventricular myocytes. Journal of Pysiology, 407:135p
101. Noda, M., Shephard, R.N., and Gadsby, D.C. (1988) Activation by [Ca]i, and block by 3′,4′-dichlorobenzamil, of outward Na/Ca exchange current in guinea-pig ventricular myocytes. Biophysical Journal 53:342a