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“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  
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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)  
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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.  
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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)  
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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)  
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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)  
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