

業績目録  
本間元康（昭和大学）

a. 外国語による論文・著書

47. **Honma, M.**, Saito, S., Atsumi, T., Tokushige, S. I., Inomata-Terada, S., Chiba, A., & Terao, Y. (in press). Inducing cortical plasticity to manipulate and consolidate subjective time interval production. *Neuromodulation*, doi:10.1111/ner.13413
46. Nagai, M., **Honma, M.**, Osada, Y., & Kumada, T. (in press). Spontaneous interpersonal coordination in stepping and autistic-like traits. *Japanese Psychological Research*, doi:10.1111/jpr.12400
45. Kuroda, T., **Honma, M.**, Mori, Y., Futamura, A., Sugimoto, A., Yano, S., Kinno, R., Murakami, H., & Ono, K. (in press). White matter lesions may aid in differentiating idiopathic normal pressure hydrocephalus and Alzheimer's disease. *Journal of Alzheimer's Disease*, doi:10.3233/JAD-215187
44. Kokudai, Y.\*, **Honma, M.\***, Masaoka, Y., Yoshida, M., Sugiyama, H., Yoshikawa, A., Koiwa, N., Kubota, S., Iizuka, N., Wada, S., Kamijo, S., Uchida, Y., Yano, Y., Ida, M., Ono, K., & Izumizaki, M. (2021). Cascade process mediated by left hippocampus and left superior frontal gyrus affects relationship between aging and cognitive dysfunction. *BMC Neuroscience*, 22, 75. doi:10.1186/s12868-021-00680-x (\*equal contribution)
43. Wada, S.\*, **Honma, M.\***, Masaoka, Y., Yoshida, M., Koiwa, N., Sugiyama, H., Iizuka, N., Kubota, S., Kokudai, Y., Yoshikawa, A., Kamijo, S., Kamimura, S., Ida, M., Ono, K., Onda, H., & Izumizaki, M. (2021). Volume of the right supramarginal gyrus is associated with a maintenance of emotion recognition ability. *PLoS One*, 16(7), e0254623. doi:10.1371/journal.pone.0254623 (\*equal contribution)
42. Terao, Y., **Honma, M.**, Asahara, Y., Tokushige, S. I., Furubayashi, T., Miyazaki, T., Inomata-Terada, S., Uchibori, A., Miyagawa, S., Ichikawa, Y., Chiba, A., Ugawa, Y., & Suzuki, M. (2021). Time distortion in Parkinsonism. *Frontiers in Neuroscience*, 15, 648814. doi:10.3389/fnins.2021.648814
- ※41. **Honma, M.**, Murakami, H., Yabe, Y., Kuroda, T., Futamura, A., Sugimoto, A., Terao, Y., Masaoka, Y., Izumizaki, M., Kawamura, M., & Ono, K. (2021). Stopwatch training improves cognitive functions in patients with Parkinson's disease. *Journal of Neuroscience Research*, 99(5), 1325-1336. doi:10.1002/jnr.24812 [front cover]
40. Moriya, R., Kanamaru, M., Okuma, N., Yoshikawa, A., Tanaka, K. F., Hokari, S., Ohshima, Y., Yamanaka, A., **Honma, M.**, Onimaru, H., Kikuchi, T., & Izumizaki, M. (2021). Optogenetic activation of DRN 5-HT neurons induced active wakefulness, not quiet wakefulness. *Brain Research Bulletin*, 177, 129-142. doi:10.1016/j.brainresbull.2021.09.019
39. Matsuno, S., Yoshiike, T., Yoshimura, A., Morita, S., Fujii, Y., **Honma, M.**, Ozeki, Y., & Kuriyama, K. (2021). Contribution of somatosensory and parietal association areas in improving standing postural stability through standing plantar perception training in community-dwelling older adults. *Journal of Aging and Physical Activity*, 29(5), 761-770. doi:10.1123/japa.2020-0130

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37. Iizuka, N., Masaoka, Y., Kubota, S., Sugiyama, H., Yoshida, M., Yoshikawa, A., Koiwa, N., **Honma, M.**, Watanabe, K., Kamijo, S., Kamimura, S., Ida, M., Ono, K., & Izumizaki, M. (2021). Entorhinal cortex and parahippocampus volume reductions impact olfactory decline in aged subjects. *Brain and Behavior*, *11*(5), e02115. doi:10.1002/brb3.2115
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35. Yoshikawa, A., Masaoka, Y., Yoshida, M., Koiwa, N., **Honma, M.**, Watanabe, K., Kubota, S., Natsuko, I., Ida, M., & Izumizaki, M. (2020). Heart rate and respiration affect the functional connectivity of default mode network in resting-state functional magnetic resonance imaging. *Frontiers in Neuroscience*, *14*, 631. doi:10.3389/fnins.2020.00631
34. Kuroda, T., **Honma, M.**, Mori, Y., Futamura, A., Sugimoto, A., Yano, S., Kinno, R., Murakami, H., & Ono, K. (2020). Increased presence of cerebral microbleeds correlates with ventricular enlargement and increased white matter hyperintensities in Alzheimer's Disease. *Frontiers in Aging Neuroscience*, *12*, 13. doi:10.3389/fnagi.2020.00013
33. Kubota, S., Masaoka, Y., Sugiyama, H., Yoshida, M., Yoshikawa, A., Koiwa, N., **Honma, M.**, Kinno, R., Watanabe, K., Iizuka, N., Ida, M., Ono, K., & Izumizaki, M. (2020). Hippocampus and parahippocampus volume reduction associated with impaired olfactory abilities in subjects without evidence of cognitive decline. *Frontiers in Human Neuroscience*, *14*, 556519. doi:10.3389/fnhum.2020.556519
32. **Honma, M.**, Itoi, C., Midorikawa, A., Terao, Y., Masaoka, Y., Kuroda, T., Futamura, A., Shiromaru, A., Ohta, H., Kato, N., Kawamura, M., & Ono, K. (2019). Contraction of distance and duration production in autism spectrum disorder. *Scientific Reports*, *9*(1), 8806. doi:10.1038/s41598-019-45250-8
31. Yoshiike, T., **Honma, M.**, Ikeda, H., & Kuriyama, K. (2019). Bright light exposure advances consolidation of motor skill accuracy in humans. *Neurobiology of Learning and Memory*, *166*, 107084. doi:10.1016/j.nlm.2019.107084
- ※30. **Honma, M.**, Masaoka, Y., Kuroda, T., Futamura, A., Shiromaru, A., Izumizaki, M., & Kawamura, M. (2018). Impairment of cross-modality of vision and olfaction in Parkinson disease. *Neurology*, *90*(11), e977-e984. doi:10.1212/WNL.0000000000005110
29. Shozawa, H., Futamura, A., Saito, Y., **Honma, M.**, Kawamura, M., Miller, M. W., & Ono, K. (2018). Diagonistic apraxia: a unique case of corpus callosal disconnection syndrome and neuromyelitis optica spectrum disorder. *Frontiers in Neurology*, *9*, 653. doi:10.3389/fneur.2018.00653

28. Shiromaru-Sugimoto, A., Murakami, H., Futamura, A., **Honma, M.**, Kuroda, T., Kawamura, M., & Ono, K. (2018). The subjective perception of past, present, and future time in patients with Alzheimer's disease: a qualitative study. *Neuropsychiatric Disease and Treatment*, *14*, 3185-3192. doi:10.2147/NDT.S186081
27. **Honma, M.**, Yoshiike, T., Ikeda, H., & Kuriyama, K. (2018). COMT genotype is associated with plasticity in sense of body ownership: a pilot study. *Psychological Research*, *82*(3), 634-644. doi:10.1007/s00426-017-0849-7
26. **Honma, M.**, Masaoka, Y., Koyama, S., Kuroda, T., Futamura, A., Shiromaru, A., Terao, Y., Ono, K., & Kawamura, M. (2018). Impaired cognitive modification for estimating time duration in Parkinson's disease. *PLoS One*, *13*(12), e0208956. doi:10.1371/journal.pone.0208956
25. Yoshiike, T., **Honma, M.**, Yamada, N., Kim, Y., & Kuriyama, K. (2018). Effects of bright light exposure on human fear conditioning, extinction, and associated prefrontal activation. *Physiology & Behavior*, *194*, 268-276. doi:10.1016/j.physbeh.2018.06.015
24. Futamura, A., **Honma, M.**, Shiromaru, A., Kuroda, T., Masaoka, Y., Midorikawa, A., Miller, M. W., Kawamura, M., & Ono, K. (2018). Singular case of the driving instructor: Temporal and topographical disorientation. *Neurology and Clinical Neuroscience*, *6*(1), 16-18. doi:10.1111/ncn3.12166
- ※23. **Honma, M.**, Murai, Y., Shima, S., Yotsumoto, Y., Kuroda, T., Futamura, A., Shiromaru, A., Murakami, I., & Kawamura, M. (2017). Spatial distortion related to time compression during spatiotemporal production in Parkinson's disease. *Neuropsychologia*, *102*, 61-69. doi:10.1016/j.neuropsychologia.2017.06.004
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18. Imaizumi, S., **Honma, M.**, Hibino, H., & Koyama, S. (2015). Illusory visual motion stimulus elicits postural sway in migraine patients. *Frontiers in Psychology*, *6*, 542. doi:10.3389/fpsyg.2015.00542
17. **Honma, M.**, Yoshiike, T., Ikeda, H., & Kuriyama, K. (2015). Sleep-independent offline consolidation of response inhibition during the daytime post-training period. *Scientific Reports*, *5*, 10362. doi:10.1038/srep10362

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1. **Honma, M.**, Koyama, S., & Osada, Y. (2009). Double tactile sensations evoked by a single visual stimulus on a rubber hand. *Neuroscience Research*, 65(3), 307-311. doi:10.1016/j.neures.2009.08.005

**b. 国際学会・海外学会での発表・講演等**

30. **Honma, M.**, Itoi, C., Midorikawa, A., Terao, Y., Masaoka, Y., Kuroda, T., Futamura, A., Shiromaru, A., Ohta, H., Kato, N., Kawamura, M., & Ono, K. Contraction of distance and duration production in autism spectrum disorder. 32nd International Congress of Psychology, Czech (online), 2021.
29. Terao, Y., Miyazaki, T., **Honma, M.**, Tokushige, S. I., Inomata-Terada, S., Uchibori, A., Ichikawa, Y., Chiba, A., Ugawa, Y., & Suzuki, M. Internal clock in Parkinsonism - Is it slow or fast and does it correlate with the clinical stage? Society for Neuroscience 49th annual meeting, USA, 2019.
28. Yoshiike, T., **Honma, M.**, Yamada, N., & Kuriyama, K. Bright light exposure triggers earlier onset of selective consolidation of motor-skill accuracy in humans. The 30th Annual Society for Light Treatment and Biological Rhythms, Netherlands, 2018.
27. **Honma, M.**, Masaoka, Y., Koyama, S., Kuroda, T., Futamura, A., Shiromaru, A., Terao, Y., Ono, K., & Kawamura, M. Impairment of cognitive alteration for duration production in Parkinson's disease. Society for Neuroscience 48th annual meeting, USA, 2018.
26. Yoshiike, T., **Honma, M.**, & Kuriyama, K. Bright light enhances precocious expression of motor skill consolidation while optimizing speed-accuracy trade-off in humans. 13th World Congress of Biological Psychiatry, Denmark, 2017.
25. Yoshiike, T., Kuriyama, K., Ikeda, H., Ohmura, H., **Honma, M.**, Moriguchi, Y., Asano, K., Kim, Y., & Nakajima, S. Grief shares circuits with pleasantness: subliminal grief priming activates the orbitofrontal cortex to boost empathic pain. 13th World Congress of Biological Psychiatry, Denmark, 2017.
24. Yotsumoto, Y., Okajima, M., Futamura, A., **Honma, M.**, & Kawamura, M. Roles of cortical and sub-cortical pathways on time perception: a case study with agenesis of the corpus callosum. 1st Conference of the Timing Research Forum, France, 2017.

23. Okajima, M., Futamura, A., **Honma, M.**, Kawamura, M., & Yotsumoto, Y. Role of interhemispheric cortical connections in time perception: a case study with agenesis of the corpus callosum. Society for Neuroscience 46th annual meeting, USA, 2016.
22. Yoshiike, T., **Honma, M.**, & Kuriyama, K. Bright light enhances motor skill acquisition in humans. The 28th Annual Society for Light Treatment and Biological Rhythms, USA, 2016.
21. Murakami, H., Owan, Y., Mori, Y., Futamura, A., Tsukada, S., Sugita, T., Kuroda, T., Ishigaki, S., **Honma, M.**, Kezuka, M., & Kawamura, M. Effects of dopaminergic medication on executive function in drug-naive patients with Parkinson's disease: using Behavioral Assessment of the Dysexecutive Syndrome. The 22nd World Congress of Neurology, Chile, 2015.
20. Yoshiike, T., **Honma, M.**, Kim, Y., & Kuriyama, K. Bright light facilitates fear extinction and prefrontal processing for fear extinction in humans. The 27th Annual Society for Light Treatment and Biological Rhythms, USA, 2015.
19. **Honma, M.**, Kuroda, T., Futamura, A., Sugimoto, A., Murakami, H., & Kawamura, M. Dysfunctional processing of time in Parkinson's disease. The 12th International Conference on Alzheimer's and Parkinson's Diseases, France, 2015.
18. Hashiguchi, S., **Honma, M.**, Moriguchi, Y., Kuriyama, K., & Tsuzuki, T. The effect of emotional state on encoding of memory for recognition human faces with different facial expressions. The 55th Annual Meeting of the Psychonomic Society, USA, 2014.
17. Kuriyama, K., **Honma, M.**, Yoshiike, T., & Kim, Y. Suppression of Aversive Memory Interrupts Extinction of Fear Facilitated by Sleep Deprivation. XVI World Congress of Psychiatry, Spain, 2014.
16. Imaizumi, S., **Honma, M.**, Hibino, H., & Koyama, S. Postural sway with illusory motion induced by static visual stimuli in migraineurs and normal controls. International Conference on Kansei Engineering and Emotion Research 2014, Sweden, 2014.
15. Kuriyama, K., Yoshiike, T., **Honma, M.**, Ikeda, H., & Kim, Y. COMT VAL158MET polymorphism interacts with sex to influence fear conditioning and extinction in healthy humans. 22nd European Congress of Psychiatry, Germany, 2014.
14. Tsuzuki, T., & **Honma, M.** A time-series eye-tracking analysis of context effects in multi-attribute decision making. The 54th Annual Meeting of the Psychonomic Society, Canada, 2013.
13. Kuriyama, K., **Honma, M.**, & Yoshiike, T. Suppression of aversive event memory interrupts extinction of fear response facilitated by sleep deprivation. 27th Annual Meeting of the Associated Professional Sleep Societies, USA, 2013.
12. Kuriyama, K., **Honma, M.**, Yoshiike, T., & Kim, Y. An NMDA receptor agonist boosts sleep-independent synaptic plasticity associated with enhancement of working memory capacity. 26th Annual Meeting of the Associated Professional Sleep Societies, USA, 2012.

11. Kuribayashi, D., Ikeyama, H., **Honma, M.**, Osada, Y., & Tanaka, Y. Gaze sensitivity on human face. Vision Science Society 11th Annual Meeting, USA, 2011.
10. Inoue, Y., Tanioka, S., Masuda, T., Suzuki, K., Murakoshi, T. **Honma, M.**, Nakata, R., Osada, Y., & Kitazaki, M. Temporal aspect of biomechanical constraint on visual recognition of human body motion. The European Conference on Visual Perception 32nd Annual Meeting, Germany, 2009.
9. **Honma, M.**, Kumada, T., Osada, Y., & Nagai, M. The automatic synchronization of walking phase of two persons when they see each other. 12th Association for the Scientific Study of Consciousness, Taiwan, 2008.
8. Tsuzuki, T., Shirai, T., Ohta, A., Matsui, H., & **Honma, M.** An eye-tracking analysis of context effects in multi-attribute, multi-alternative decision making: An examination of the attraction effect and the compromise effect. XXIX International Congress of Psychology, Germany, 2008.
7. **Honma, M.**, Koyama, S., & Osada, Y. One visual stimulus provides two tactile sensations simultaneously. Vision Science Society 8th Annual Meeting, USA, 2008.
6. Bennett, P. J., Nagai, M., **Honma, M.**, Rutherford, M. D., Gaspar, C. M., Carbone, D., Nara, M., Ishii, H., Kumada, T., & Sekuler, A. B. Two-element classification images for the discrimination of emotional expression in upright and inverted faces. Vision Science Society 7th Annual Meeting, USA, 2007.
5. **Honma, M.**, & Osada, Y. The effect of the facial motion on the recognition of facial expressions: Analysis of eye movement property. Vision Science Society 6th Annual Meeting, USA, 2006.
4. **Honma, M.**, & Osada, Y. The effects of facial changes of time-series on the recognition of facial expression. The European Conference on Visual Perception 28th Annual Meeting, Spain, 2005.
3. **Honma, M.**, & Osada, Y. The effect of sharpness constancy on the recognition of facial expression. Vision Science Society 5th Annual Meeting, USA, 2005.
2. **Honma, M.**, & Osada, Y. The effect of the motion information on the recognition of moving facial expressions and eye movement. Vision Science Society 4th Annual Meeting, USA, 2004.
1. **Honma, M.**, & Osada, Y. The effect of the dynamic property on the recognition of moving facial expressions. Vision Science Society 3rd Annual Meeting, USA, 2003.

### c. その他の国際的な業績

20. (Review Editor) *Frontiers in Aging Neuroscience*, April 2019-.
19. (Symposium, talk) **Honma, M.** Recalibration and consolidation of body image in illusionary environment. The 41th Annual Meeting of the Japan Neuroscience Society, Symposium “Virtual reality and its clinical application”, Japan, 2018.
18. (Conference, poster) **Honma, M.**, Masaoka, Y., Kuroda, T., Futamura, A., Shiromaru, A., Izumizaki, M., & Kawamura, M. Impairment of cross-modality of vision and olfaction in Parkinson’s disease. XXIII World Congress of Neurology, Japan, 2017.

17. (Symposium, poster) Futamura, A., Kuroda, T., Shiromaru, A., **Honma, M.**, Masaoka, Y., Midorikawa, A., Yamamoto, S., Kitazawa, S., Kawamura, M., & Ono, K. The disconnecting syndromes and temporal order judgment. XXIII World Congress of Neurology, Japan, 2017.
16. (Symposium, poster) **Honma, M.**, Masaoka, Y., Kuroda, T., Futamura, A., Shiromaru, A., Terao, Y., & Kawamura, M. Inability to modify duration production in Parkinson's disease. The 2nd International Symposium on the Science of Mental Time, Japan, 2017.
15. (Symposium, chair) **Honma, M.** The cognitive studies of eye gaze. The 31st International Congress of Psychology, Contributed symposium, Japan, 2016.
14. (Symposium, talk) Kawamura, M., Kuroda, T., Futamura, A., Sugimoto, A., Midorikawa, A., & **Honma, M.** Autobiographical age awareness disturbance (AAAD) syndrome in autoimmune limbic encephalitis. The 31st International Congress of Psychology, Japan, 2016.
13. (Conference, poster) **Honma, M.**, Kuroda, T., Futamura, A., Sugimoto, A., & Kawamura, M. Dysfunctional counting of mental time in Parkinson's disease with striatal dopamine transporter deficit. The 31st International Congress of Psychology, Japan, 2016.
12. (Symposium, poster) **Honma, M.**, Kuroda, T., Futamura, A., Shiromaru, A., & Kawamura, M. Dysfunctional counting of mental time in Parkinson's disease. The 1st International Symposium on the Science of Mental Time, Japan, 2015.
11. (Symposium, talk) Koyama, S., Imaizumi, S., **Honma, M.**, & Hibino, H. Illusory visual motion in a static image can elicit postural sway in migraine patients. The 5th International Symposium on Visual Image Safety, Japan, 2015.
10. (Conference, talk) Yoshiike, T., Kuriyama, K., **Honma, M.**, Ikeda, H., & Kim, Y. Neuroticism facilitates daytime wakefulness and sleep devaluation via higher neural efficiency in the bilateral prefrontal cortex. 17th World Congress of Psychophysiology, Japan, 2014.
9. (Symposium, poster) Kuroda, T., **Honma, M.**, Futamura, A., Sugimoto, A., & Kawamura, M. A case study of Autobiographical Amnesia: subjective memory versus public memory. Symposium in the Heart of Berlin, Conscious experience of time: its significance and interpretation in neuroscience and philosophy. Germany, 2014.
8. (Invited talk) **Honma, M.** Illusionary learning and sleep. Northwestern University Cognitive Neuroscience Laboratory, USA, 2013.
7. (Symposium, talk) Yoshiike, T., Kuriyama, K., **Honma, M.**, & Kim, Y. Bright light exposure facilitates conditioned fear extinction in humans. 11th World Congress of Biological Psychiatry, Japan, 2013.
6. (Symposium, talk) Kuriyama, K., **Honma, M.**, Yoshiike, T., & Kim, Y. Suppression of aversive event memory with sleep deprivation enhances delayed recognition of contextual fear. 11th World Congress of Biological Psychiatry, Japan, 2013.



5. (Award paper) Kuribayashi, D., **Honma, M.**, & Osada, Y. Spatial range of perceptual gaze congruency. *The Japanese Journal of Psychonomic Science*, **3**, 95-96, 2012.
4. (Conference, poster) **Honma, M.**, Yoshiike, T., Shimazaki, M., Koyama, S., Kimura, M., Kim, Y., & Kuriyama, K. Sleep extinguishes false perception acquired by learning of visual-tactile integration. The 6th World Congress of the World Sleep Federation, Japan, 2011.
3. (Conference, poster) Yoshiike, T., Kuriyama, K., **Honma, M.**, Shimazaki, M., Kim, Y., & Nishikawa, T. NMDA receptor agonist facilitates sleep-independent synaptic plasticity associated with enhancement of working memory capacity. The 6th World Congress of the World Sleep Federation, Japan, 2011.
2. (Award paper) **Honma, M.**, Kumada, T., Osada, Y., & Nagai, M. The synchronized stepping: automatic imitation behavior between persons. *The Japanese Journal of Psychonomic Science*, **27**, 127-128, 2008.
1. (Patent) Osada, Y., & **Honma, M.** Apparatus for Experiencing Visual-Tactile Interaction. Applicants: Rikkyo University. Application date: 29 November 2007, Application number: US12/097765, Publication number: US2008/0306572 A1 (PCT/JP2007/073053), Laid-open disclosure date: 11 December 2008.