Curriculum Vitae

April 1st 2018

Name: Keiichi Kitajo
Place of birth: Hokkaido, Japan
Birth date: May 25th 1968
Nationality: Japanese

Unit Leader (laboratory Head),
Rhythm-based Brain Information Processing Unit,
RIKEN CBS – TOYOTA collaboration center (BTCC), RIKEN Center for Brain Science
2-1 Hirosawa, Wako, 351-0198, Saitama, Japan,
Email: keiichi.kitajo@riken.jp

Academic appointments:

April, 2018 – present Unit Leader, Rhythm-based Brain Information Processing Unit, RIKEN CBS – TOYOTA collaboration center, RIKEN Center for Brain Science

April, 2012 – March, 2018 Unit Leader, Rhythm-based Brain Information Processing Unit, RIKEN BSI – TOYOTA collaboration center, RIKEN Brain Science Institute

April, 2015 – present: Visiting professor, The Graduate School of Life Science and Systems Engineering, Kyushu Institute of Technology

October, 2015 - present: Visiting professor, The Graduate School of Engineering and Faculty of Engineering, Tokyo University of Agriculture and Engineering

August, 2011 - present: Visiting associate professor, The Graduate School of Engineering and Faculty of Engineering, Tokyo University of Agriculture and Engineering

April 2009 - present: Visiting lecturer (Concurrent), Graduate School, Program of Science and Technology, Meiji University

April, 2012 – March, 2018: Deputy Laboratory Head, Laboratory for Advanced Brain Signal Processing (Andrzej Cichocki Lab), RIKEN Brain Science Institute (Concurrent)

October, 2009 - March 2013: PRESTO Researcher (SAKIGAKE) (Concurrent) Japan Science and Technology Agency

April, 2011 - March, 2012: Unit Leader, Rhythm-based Brain Computation Unit, RIKEN BSI – TOYOTA collaboration center, RIKEN Brain Science Institute

April, 2011 - March, 2012: Deputy Laboratory Head, Laboratory for Cognitive Brain Mapping (Keiji Tanaka Lab) , RIKEN Brain Science Institute (Concurrent)

March, 2008 - March 2011: Deputy Laboratory Head, Laboratory for Dynamics of Emergent Intelligence (Yoko Yamaguchi Lab), RIKEN Brain Science Institute

May, 2009 - March, 2011: Visiting researcher, Research Institute, National Rehabilitation Center for Persons with Disabilities

November, 2007 - March 2011: Research Scientist (Concurrent), Rhythm-based Brain Computation Unit, RIKEN BSI - TOYOTA collaboration center, RIKEN Brain Science Institute

October, 2005 - February 2008: Research Scientist, Laboratory for Dynamics of Emergent Intelligence, RIKEN Brain Science Institute

January, 2006 - March 2008: Visiting Scientist, Department of Physical and Health Education, Graduate School of Education, University of Tokyo

October, 2005 - September 2007: Honorary Research Associate, Psychophysics and Cognitive Neuroscience Laboratory, Department of Psychology, University of British Columbia, (Vancouver, Canada)

October, 2002 - September, 2005: Visiting Scientist, Psychophysics and Cognitive Neuroscience Laboratory, Department of Psychology, University of British Columbia

April, 1998 - September, 2005: Research Associate (Josyu), Department of Physical and Health Education, Graduate School of Education, University of Tokyo

April, 1998 - September, 2002: Part-time Lecturer, Toyo Eiwa University (Yokohama, JAPAN)

April, 1997 - March, 1998: Research Fellow, Motor Dysfunction Division, Research Institute of National Rehabilitation Center for the Disabled (Tokorozawa, JAPAN)

April, 1993 - March, 1995:

Part-time Lecturer, Bunka Woman's University (Tokyo, JAPAN)

Education

April, 1993 - March, 1997: Ph.D. in Education, Laboratory for Exercise Physiology, Biomechanics and Sports Sciences, Graduate school of Education, University of Tokyo: September, 1998: Ph.D. in Education "Development of spinal reciprocal innervation in humans"

April, 1991 - March, 1993: M.Sc in Education, Laboratory for Exercise Physiology, Biomechanics and Sports Sciences, Graduate school of Education, University of Tokyo.

April, 1989 - March, 1991: B.Sc. in Education, Laboratory for Exercise Physiology, Biomechanics and Sports Sciences, Faculty of Education, University of Tokyo.

April, 1987 - March, 1989: College of Arts and Sciences, University of Tokyo.

Membership of Academic Societies:

Society for Neuroscience (2006 - Present)
Japanese Neural Network Society (2006- Present)
The Japan Neuroscience Society (2009- Present)
The International Society for Psychophysics (2007-Present)
The Japanese Psychological Association (2005 - Present)
Japanese Society of Biomechanics (1994 - Present)
Japanese Society of Physical Education (1993 - Present)

Reviewing committee member, Grant-in-Aid for Scientific Research (2007-)
Committee member, Dynamic Brain Platform supported by the Japan node of the International Neuroinformatics Coordinating Facility (INCF) (2008-Present)

External grants and fellowships:

Head Investigator, Omron research grant 30 million yen (2017-)

Co-investigator (with Dr. Katsunori Kitano), Grant-in-Aid for Scientific Research on Innovative Areas, Ministry of Education, Culture, Sports, Science and Technology, Japan (2016-), 8 million yen,

Head Investigator, Kirin research grant 30 million yen (2016-)

Head Investigator, ImPACT (JST) Actualize Energetic Life by Creating Brain Information Industries,
5 million yen, Portable BMI (2015-)

Head Investigator, Grant-in-Aid for Scientific Research (B), Ministry of Education, Culture, Sports, Science and Technology, Japan (2014-), 10 million yen, Control of neural dynamics and information flow mediating perception-action coupling by noninvasive brain stimulation.

Co-investigator (with Dr. Hiroaki Mizuhara), Grant-in-Aid for Scientific Research (A), Ministry of Education, Culture, Sports, Science and Technology, Japan (2013-), 10 million yen, Verbal communication associated with phase resetting of neural oscillators.

Head Investigator, Toyota collaboration research grant (2011-) 50 million yen/year, Rehabilitation by neurofeedback of the brain dynamics.

Head Investigator, Grant-in-Aid for Scientific Research (B), Ministry of Education, Culture, Sports, Science and Technology, Japan (2011-), 9 million yen, Consistency of perception-action coupling in the human brain.

Head Investigator, Yamaha-motor cooperation research grant (2011-), 4.8 million yen (2011), Brain machine interface technology based on sensory coordination.

Head Investigator, PRESTO (Precursory Research for Embryonic Science and Technology, "SAKIGAKE") Japan Science and Technology Agency (2009-2013), 40 million yen, Manipulation of neural information processing by real-time TMS control.

Co-investigator (with Dr. Yoko Yamaguchi), Grant-in-Aid for Scientific Research on Innovative Areas, Ministry of Education, Culture, Sports, Science and Technology, Japan (2009-2014), 8 million yen, Mechanisms of cognitive information processing based on synchronization and de-synchronization in neural networks.

Head Investigator, Grant-in-Aid for Scientific Research (B), Ministry of Education, Culture, Sports, Science and Technology, Japan (2007-2008). 11 million yen, Transcranial Magnetic Stimulation and EEG phase synchrony responses in humans.

Co-investigator (with Prof. Yoshiharu Yamamoto), Toyota Advanced Technology Cooperative Research Grant (2003-2005). 24 million yen, Noise-induced functional improvements in human

perception-action system.

Head investigator, Grant-in-Aid for Scientific Research for Young Scientists (B), Ministry of Education, Science and Culture, Japan (2001-2002). 3.5 million yen, Relationship between spontaneous eye blinking and human cognition during voluntary movement.

Head investigator, Grant-in-Aid for Scientific Research for Young Scientists (B), Ministry of Education, Science and Culture, Japan (1999-2000). 3.5 million yen, Changes in visual and somato-sensory information processing during human motor learning.

Head investigator, Research Award of Casio Science Foundation, Japan (1999). 1 million yen, Effect of human cognitive process on eye blinking - Development of portable measurement device for eye blinking.

Honors and Awards:

RIKEN Industry Partnerships Contribution Award in 2016: Conducted large-scale joint research on RIKEN BSI-TOYOTA Collaboration Center, Keiichi Kitajo, Shingo Shimoda, Takatsune Kumada, November, 2016.

ICCN 2011 Best poster award, “Prestimulus neural oscillations contribute to recollection and familiarity.” Kleberg et al.

Human communication award, Technical Committee on Human Communication Science (HCS) 2010, “Dual EEG analyses for cooperative tapping of two persons” Kawasaki et al.

Editorial board highlight of 2006. Europhysics Letters: “Stochastic resonance in attention control” Kitajo et al.

Graduate Students Present Award　2005, Meeting of the Cognitive Neuroscience Society,　”Increased gamma-band synchrony precedes switching of conscious perceptual objects in binocular rivalry. “ Doesburg et al.

New Investigator Award, Japanese Society of Biomechanics, 1994 “Learning and prediction of EMG-Torque relationship using artificial neural networks.” Kitajo et al.

Selected Publications:

Peer reviewed journal and proceedings papers:

Masahiro Kawasaki, Keiichi Kitajo, Kenjiro Fukao, Toshiya Murai, Yoko Yamaguchi, Yasuko Funabiki, Frontal theta activation during motor synchronization in autism. Scientific Reports, 7:15034, doi:10.1038/s41598-017-14508-4, 2017.

Takayuki Onojima, Keiichi Kitajo, Hiroaki Mizuhara, Ongoing slow oscillatory phase modulates speech intelligibility in cooperation with motor cortical activity. PLOS One, 12(8): e0183146, doi: 10.1371/journal.pone.0183146, 2017.

Takeru Matsuda, Keiichi Kitajo, Yoko Yamaguchi, Fumiyasu Komaki, A point process modeling approach for investigating the effect of online brain activity on perceptual switching, NeuroImage, 152, 50-59, doi: 10.1016/j.neuroimage.2017.02.068, 2017.

Naoya Oosugi, Keiichi Kitajo, Naomi Hasegawa, Yasuo Nagasaka, Kazuo Okanoya, Naotaka Fujii, A new method for quantifying the performance of EEG blind source separation algorithms by referencing a simultaneously recorded ECoG signal. Neural Networks (in press)

Teiji Kawano, Noriaki Hattori, Yutaka Uno, Keiichi Kitajo, Megumi Hatakenaka, Hajime Yagura, Hiroaki Fujimoto, Tomomi Yoshioka, Michiko Nagasako, Hironori Otomune, Ichiro Miyai, Large-scale phase synchrony reflects clinical status after stroke: An EEG study. Neurorehabilitation & Neural Repair, doi: 10.1177/1545968317697031, 2017.

Keiichi Kitajo, Yutaka Uno, Noriaki Hattori, Teiji Kawano, Yuka O. Okazaki, Megumi Hatakenaka, Ichiro Miyai, The repertoire of brain synchronized states accounts for stroke recovery. Converging Clinical and Engineering Research on Neurorehabilitation II, 913-917, doi: 10.1007/978-3-319-46669-9_148, 2016.

Eri Miyauchi, Keiichi Kitajo, Masahiro Kawasaki, TMS-induced theta phase synchrony reveals a bottom-up network in working memory, Neuroscience Letters, 622, 10-14, doi: 10.1016/j.neulet.2016.04.008, 2016.

Keiichi Kitajo, Yuka O. Okazaki, TMS-EEG for probing distinct modes of neural dynamics in the human brain, Advances in Cognitive Neurodynamics (V), 3, 211-216, doi: 10.1007/978-981-10-0207-6_30, 2016.

Takumi Sase, Jonatán Peña Ramírez, Keiichi Kitajo, Kazuyuki Aihara, Yoshito Hirata, Estimating the level of dynamical noise in time series by using fractal dimensions. Physics Letters A, 380, 11-12, 1151–1163, doi: 10.1016/j.physleta.2016.01.014, 2016.

Takafumi Kajihara, Muhammad Nabeel Anwar, Masahiro Kawasaki, Yuji Mizuno, Kimitaka Nakazawa, Keiichi Kitajo, Neural dynamics in motor preparation: From phase-mediated global computation to amplitude-mediated local computation. NeuroImage , 118, 445-455, doi:10.1016/j.neuroimage.2015.05.032, 2015.

Keiichi Kitajo, Takashi Hanakawa, Risto J. Ilmoniemi, Carlo Miniussi, A contemporary research topic: Manipulative approaches to human brain dynamics. Frontiers in Human Neuroscience, 9:118, doi: 10.3389/fnhum.2015.00118, 2015.

Muhammad Nabeel Anwar, Muhammad Samran Navid, Mushtaq Khan, Keiichi Kitajo, A possible correlation between performance IQ, visuomotor adaptation ability and mu suppression, Brain Research,1603, 84–93, doi: 10.1016/j.brainres.2015.01.045, 2015.

Teruo Hashimoto, Keiichi Kitajo, Takafumi Kajihara, Kenichi Ueno, Chisato Suzuki, Takeshi Asamizuya, Atsushi Iriki. Neural correlates of electrointestinography: Insular activity modulated by signals recorded from the abdominal surface. Neuroscience, 289, 1-8, doi: 10.1016/j.neuroscience.2014.12.057, 2015.

Kei-Ichi Ueda, Yasumasa Nishiura, Yoko Yamaguchi, Keiichi Kitajo, Bidirectional wave propagations can improve loop finding time. Advances in Cognitive Neurodynamics (IV), 277-282, doi: 10.1007/978-94-017-9548-7_39, 2015.

Masahiro Kawasaki, Keiichi Kitajo, Kenjiro Fukao, Toshiya Murai, Yoko Yamaguchi, Yasuko Funabiki, Neural Dynamics for a Sudden Change in Other's Behavioral Rhythm. Advances in Cognitive Neurodynamics (IV), 485-489, doi: 10.1007/978-94-017-9548-7_69, 2015.

Michiko Asano, Mutsumi Imai, Sotaro Kita, Keiichi Kitajo, Hiroyuki Okada, Guillaume Thierry, Sound symbolism scaffolds language development in preverbal infants. Cortex, 63, 196-205, doi: 10.1016/j.cortex.2014.08.025, 2015.

Keiichi Kitajo, Hiromichi Suetani, Consistency of human brain response to noisy visual inputs. Proceedings of NOLTA 2014, 443-445, 2014.

Masahiro Kawasaki, Yutaka Uno, Jumpei Mori, Kenji Kobata, Keiichi Kitajo, Transcranial magnetic stimulation-induced global propagation of transient phase resetting associated with directional information flow. Frontiers in Human Neuroscience, doi: 10.3389/fnhum.2014.00173, 2014.

Masahiro Kawasaki, Keiichi Kitajo, Yoko Yamaguchi, Fronto-parietal and fronto-temporal theta phase synchronization for visual and auditory-verbal working memory. Frontiers in Psychology, doi: 10.3389/fpsyg.2014.00200, 2014.

Florence I. Kleberg, Keiichi Kitajo, Masahiro Kawasaki, Yoko Yamaguchi, Ongoing theta oscillations predict encoding of subjective memory type. Neuroscience Research, 83, 69-80, doi: 10.1016/j.neures.2014.02.010, 2014.

Kenji Tanaka, Yuji Mizuno Toshihisa Tanaka, Keiichi Kitajo, Detection of phase synchronization in EEG with bivariate empirical mode decomposition. Engineering in Medicine and Biology Society (EMBC), 2013 35th Annual International Conference of the IEEE, 973 - 976, 2013.

Masahiro Kawasaki, Yuji Mizuno, Keiichi Kitajo, Manipulative evaluation of alpha bottom-up networks in the resting-state by combined TMS-EEG. Converging Clinical and Engineering Research on Neurorehabilitation, Biosystems & Biorobotics 1, 589-592, 2013.

Yuji Mizuno, Masahiro Kawasaki, Keiichi Kitajo, Individual evaluation of interhemispheric neural synchrony mediating perceptual bias in apparent motion perception - A TMS-EEG study and applications in rehabilitation. Converging Clinical and Engineering Research on Neurorehabilitation ,Biosystems & Biorobotics 1, 635-639, 2013.

Keiichi Kitajo, Yumi Nakagawa, Yutaka Uno, Ryohei Miyota, Masanori Shimono, Kentaro Yamanaka, Yoko Yamaguchi, A manipulative approach to neural dynamics by combined TMS-EEG. Advances in Cognitive Neurodynamics III, 155-160, 2013 .

Takashi J. Ozaki, Naoyuki Sato, Keiichi Kitajo, Yoshiaki Someya, Kimitaka Anami, Hiroaki Mizuhara, Seiji Ogawa, Yoko Yamaguchi, Traveling EEG slow oscillation along the dorsal attention network initiates spontaneous perceptual switching, Cognitive Neurodynamics 6, 185-198, 2012.

Masanori Shimono, Keiichi Kitajo, Tsunehiro Takeda, Neural processes for intentional control of perceptual switching: An MEG study. Human Brain Mapping, 32, 397–412, 2011.

Takatsugu Aihara, Keiichi Kitajo, Daichi Nozaki, Yoshiharu Yamamoto, How does stochastic resonance work within the human brain? Psychophysics of internal and external noise, Chemical Physics, 375, 2-3, 616-624, 2010.

Keiichi Kitajo, Ryohei Miyota, Masanori Shimono, Kentaro Yamanaka, Yoko Yamaguchi, State-dependent cortical synchronization networks revealed by TMS-EEG recordings. Advances in Cognitive Neurodynamics II, 145-148, 2010.

Daisuke Shimaoka, Keiichi Kitajo, Kunihiko Kaneko, Yoko Yamaguchi. Transient process of cortical activity during Necker cube perception: from local clusters to global synchrony. Nonlinear Biomedical Physics. 4(Suppl 1):S7 doi:10.1186/1753-4631-4-S1-S7, 2010.

Masahiro Kawasaki, Keiichi Kitajo, Yoko Yamaguchi, Dynamic links between theta executive functions and alpha storage buffers in auditory and visual working memory, European Journal of Neuroscience, 31, 1683-1689, 2010.

Tamami Nakano, Yoshiharu Yamamoto, Keiichi Kitajo, Toshimitsu Takahashi, Shigeru Kitazawa, Synchronization of spontaneous eye blinks while viewing video stories. Proceedings of the Royal Society B, 276:3635-3644, 2009.

Takatsugu Aihara, Keiichi Kitajo, Daichi Nozaki, Yoshiharu Yamamoto, Internal noise determines external stochastic resonance in visual perception. Vision Research 48, 1569-1573, 2008.

Sam M. Doesburg, Alexa B. Roggeveen, Keiichi Kitajo, Lawrence M Ward, Large-scale gamma-band phase synchronization and selective attention. Cerebral Cortex, 18, 386-396, 2008.

Keiichi Kitajo, Sam M. Doesburg, Kentaro Yamanaka, Daichi Nozaki, Lawrence M Ward, Yoshiharu Yamamoto, Noise-induced large-scale phase synchronization of human brain activity associated with behavioural stochastic resonance. Europhysics Letters, 80, 40009-1-6, 2007.

Masanori Shimono, T. Owaki, K. Amano, Keiichi Kitajo, Tsunehiro Takeda, Functional modulation of power-law distribution in visual perception. Physical Review E, 75, 051902-1-5, 2007.

Keiichi Kitajo, Takashi Ozaki, Yoko Yamaguchi, Large-scale neural synchrony associated with top-down selective attentional modulation of Necker cube perception. Proceedings of the 23rd Annual Meetings of the International Society for Psychophysics. 345-350, 2007.

Takatsugu Aihara, Keiichi Kitajo, Daichi Nozaki, Yoshiharu Yamamoto, Intrinsic noise regulates extrinsic noise-induced sensitisation of visual perception. Proceedings of the 23rd Annual Meetings of the International Society for Psychophysics. 97-102, 2007.

Takatsugu Aihara, Keiichi Kitajo, Daichi Nozaki, Yoshiharu Yamamoto, Bayesian adaptive estimation of psychometric functions in noisy environments. AIP Conference Proceedings, 922, 557-562, 2007.

Lauren Emberson, Keiichi Kitajo, Lawrence M Ward, Endogenous neural noise and stochastic resonance. Proceedings of SPIE, 6602, 66020T-1-66020T-12, 2007.

Keiichi Kitajo, Kentaro Yamanaka, Lawrence M Ward, Yoshiharu Yamamoto, Stochastic resonance in attention control. Europhysics Letters, 76:1029-1035, 2006.

Lawrence M Ward, Sam M. Doesburg. Keiichi Kitajo, Shannon E. MacLean, Alexa B. Roggeveen, Neural synchrony in stochastic resonance, attention, and consciousness. Canadian Journal of Experimental Psychology, 60, 319-326, 2006.

Sam M. Doesburg, Keiichi Kitajo, and Lawrence M Ward, Increased gamma-band synchrony precedes switching of conscious perceptual objects in binocular rivalry. NeuroReport, 16: 1139-1142, 2005.

Lawrence M Ward, Keiichi Kitajo, Attention excludes noise. Does it exclude stochastic resonance? AIP Conference Proceedings, 800, 245-252, 2005.

Yoshiharu Yamamoto, Rika Soma, Keiichi Kitajo, Leonid A. Safonov, Kentaro Yamanaka, Ichiro Hidaka, Kyoko Ohashi, Daichi Nozaki, Zbigniew R. Struzik, Lawrence M Ward, Shin Kwak, Functional roles of noise and fluctuations in the human brain. AIP Conference Proceedings, 780, 535-540, 2005.

Keiichi Kitajo, Kentaro Yamanaka, Lawrence M Ward, Yoshiharu Yamamoto, Stochastic resonance in attention switching. Proceedings of SPIE, 5841: 49-56, 2005.

Keiichi Kitajo, Kentaro Yamanaka, Daichi Nozaki, Lawrence M Ward, Yoshiharu Yamamoto, Behavioral stochastic resonance is associated with large-scale synchronization of human brain activity. Proceedings of SPIE, 5467:359-369, 2004.

Keiichi Kitajo, Daichi Nozaki, Lawrence M Ward, Yoshiharu Yamamoto, Behavioral stochastic resonance within the human brain. Physical Review Letters, 90: 218103-1-4, 2003.

Keiichi Kitajo, Daichi Nozaki, Lawrence M Ward, Yoshiharu Yamamoto, Behavioral stochastic resonance in the human brain. Proceedings of SPIE, 5110: 252-261, 2003.

Keiichi Kitajo, Yoshiharu Yamamoto, Mitsumasa Miyashita, Development of control system of antagonist muscles in human motor nervous system., Proceedings of the 11th symposium on Biological and Physiological Engineering,357-360, 1996.

Keiichi Kitajo, Learning and prediction of EMG-Torque relationship using artificial neural networks. Japanese Journal of Sports Sciences,(in Japanese)14(1), 135-142,1995.

Review papers (not peer-reviewed)

Keiichi Kitajo, Manipulative approaches to human brain dynamics and information flow by TMS-EEG. Clinical Neuroscience 32(7), 789-791, 2014. (review in Japanese)

Keiichi Kitajo, Perceptual information processing and synchronous neural oscillations. Japanese Journal of Molecular Psychiatry. 9,30-36, 2009. (review in Japanese)

Keiichi Kitajo, Yoko Yamaguchi, EEG phase synchronization analysis for visual perception research. Vision, 19, 193-200, 2007.(review in Japanese)

Keiichi Kitajo, Yoko Yamaguchi, Functional roles of oscillatory synchronization in neural systems. Cell Technology, 26,774-778, 2007. (review in Japanese)

Keiichi Kitajo, Control of standing posture in human infants. Journal of the Society of Biomechanisms 26, 11-15, 2002. (review in Japanese)

Keiichi Kitajo, Posture control in human infants. Journal of health, physical education and recreation 49, 94-100, 1999. (review in Japanese)

Keiichi Kitajo, Yoshiharu Yamamoto, Mitsumasa Miyashita, Development of the the motor nervous system in humans. Bio Medical Engineering 12, 40-48, 1998. (review in Japanese)

Keiichi Kitajo, Development of balance control. Journal of Otolaryngology, Head and Neck Surgery, 14(6), 841-846, 1998. (review in Japanese)

Keiichi Kitajo, Mechanisms of kinesthesia. Mechanism of movement sensation. Journal of health, physical education and recreation 47, 758-763, 1997. (review in Japanese)

Keiichi Kitajo, Development of motor functions and reciprocal innervation in human infants. Japanese Journal of Sports Sciences,16(1), 39-46, 1997. (review in Japanese)

Media coverage:

Our paper, “Behavioral stochastic resonance within the human brain. Physical Review Letters, 90: 218103-1-4, 2003.” was featured by,
Kyodo news and many Japanese newspapers, July, 2003,
Physical Review Focus, “Static on the Brain.” May, 2003,
NewScientist, “Eye can see better when it’s noisy.” 178(2398),20-21, June 2003,
Virtual Journal of Biological Physics Research, 5(11), June 2003,
CERN Courier, “Noise aids perception.” 43, (6), June, 2003,
Wissenschaft-online, June, 2003 etc.

Our paper, “Synchronization of spontaneous eye blinks while viewing video stories. Proceedings of the Royal Society B, 276:3635-3644, 2009 was featured by
Asahi, Yomiuri, Nikkei news papers, July, 2009
Telegraph, July, 2009
New Scientist, July, 2009
Science One-shot July, 2009.
Scientific American podcast, July, 2009 etc.

Our EEG research on Necker cube perception was featured by Science ZERO (NHK TV), Oct. 2009.

Journal Editorial Board:

Scientific Reports:
Frontiers in Human Neuroscience
Frontiers in Integrative Neuroscience

Ad-hoc Reviewer:

Journal of Neuroscience
PLOS One
Neural Computation
Physica A
Frontiers in Behavioral Neuroscience
Neural Networks
Journal of Cognitive Neuroscience
Journal of Neuroscience Methods
European Journal of Neuroscience
Neuroscience and Biobehavioral Reviews
Medicine and Science in Sports and Exercise
Cognitive Neurodynamics

Neuroscience
Neuroscience Research
Brain Research
Computational Intelligence and Neuroscience
IEICE Transactions
Advances in Artificial Intelligence
Transactions on Information Technology in BioMedicine
BioMed Research International