CURRICULUM VITAE

Ryo Kitada

Associate Professor, Graduate School of Intercultural Studies, Kobe University

Academic Qualifications

2005 PhD (Human and Environmental Studies), Kyoto University
(Supervisor: Michikazu Matsumura;
co-Supervisor: Susan Lederman at Queen's Univ)
2002 MS (Human and Environmental Studies), Kyoto University
(Supervisor: Michikazu Matsumura)
2000 BS, Kyoto University
(Supervisor: Michikazu Matsumura)

Professional Qualifications / Memberships

2014 - Present	Member of Organization for Human Brain Mapping	US
2004 - Present	Member of Society for Neuroscience	US
2009 - Present	Member of Japan Neuroscience Society	Japan
2010 - Present	Member of Japanese Psychological Association	Japan

Summary of Working Experience

Apr 2021 - Present	Associate Professor, Graduate School of Intercultural Studies, Kobe University, Japan
Sep 2020 – Mar 2022	Nanyang Associate Professor, LKC Medicine, Nanyang Technological University (cross-appointment)
Jan 2017 – Mar 2022	Nanyang Associate Professor, School of Social Sciences, Nanyang Technological University
Aug 2008 - Dec 2016	Assistant Professor, National Institute for Physiolgical Sciences Japan
Aug 2008 - Dec 2016	Assistant Professor, the Graduate University for Advanced Studies (SOKENDAI) (Joint appointment)

Academic Honours and Awards

Year	Academic Honour / Award
2015	Recipient, Distinguished International Researcher Award for Young Psychologist (JPA award for international contributions) from Japanese Psychological Association 2015
2007	Recipient, Japan Society for the Promotion of Science (JSPS) Postdoctoral Fellowships for Research Abroad
2002	Recipient, Travel Award by Inoue Foundation for Science

RESEARCH SUMMARY

Key Areas of Research

- Cognitive Neuroscience
- Neuroimaging
- Touch and its interaction with other senses
- Research on blind individuals

Keynote Presentations

1. Kitada R (2019 Feb 18th) “The impact of blindness on the brain network underlying social cognition”, Cognitive Behavioral Psychology 2019 (Hotel Fort Canning, Singapore)
2. Kitada R (2015 Oct 31st) “Neural correlates of understanding others (Japanese)” The 56th annual meeting of The Japanese Society of Social Psychology (Tokyo Woman’s University, Tokyo, Japan)
3. Kitada R (2015 June 26th) “Towards understanding haptic object perception.” Research Forum for Informatics on Embodiment/The Japanese Society for Motor Control Research Forum Body information (Kyoto University, Kyoto, Japan)
4. Kitada R (2014 Nov 13th) “Brain networks underlying tactile object perception” The 6th conference of Japanese Multisensory Research Forum (Hiroshima University, Hiroshima, Japan)
5. Kitada R (2012 Nov 15th) “Neural Substrates Underlying Haptic Recognition of Face and Bodyparts” *Tactile Research Group Meeting, a Sattelite Meeting of Psychonomics Society* (Minneapolis, MN, US)

Invited Presentations

1. Kitada R (2022 Feb 27th) “Cognitive neuroscience approach to social touch” International symposium of autism spectrum disorder (Waseda Univ., Tokyo, Japan).
2. Kitada R (2021 Sep 14th) “Careers of cognitive neuroscientists abroad”, 26th annual meeting of the Virtual Reality Society of Japan (online).
3. Kitada R (2021 Sep 1st) “Cognitive neuroscience research in Singapore” 85th Annual convention of the Japanese psychological association (online).
4. Kitada R (2021 May 25th) “Functional relevance of the lateral occipito-temporal cortex in body recognition” *Imperial college-LKC neuroscience workshop* (Imperial college-LKC, online).
5. Kitada R (2021 May 25th) “Functional relevance of the lateral occipito-temporal cortex in body recognition” Imperial college-LKC neuroscience workshop (online).
6. Kitada R (2021 May 7th) “Interpersonal tactile communication - from social networks to neural substrates” *The 14th Human Brain Science Seminar* (IDAC, Tohoku University, online).
7. Kitada R (2020 Aug 7th) “Neural correlates of tactile object recognition” Neuroscience Seminar (LKC medicine, Nanyang Technological University).
8. Kitada R (2019 Dec 26-27th) “Brain networks in multisensory perception from touch to social cognition” *Cognitive Behavior-Brain Science Lectures* (KOKORO Research Center, Kyoto University).
9. Kitada R (2019 Feb 21st) “The supramodal role of the Extrastriate Body Area in body recognition: a combination of functional MRI and TMS” *Brain Stimulation Symposium* (NTU Experimental Medicine Building, Singapore).
10. Kitada R (2016 Nov 12th) “Touch and knowing objects (Translated from Japanese)” *The Japanese Association of Rehabilitation Medicine, public lectures* (Asahikawa Medical University, Hokkaido, Japan)

11. Kitada R (2016 Sep 23rd) “Neural mechanisms underlying Velvet Hand Illusion (Translated from Japanese) ” *Meetings of Hayao Nakayama Foundation for Science & Technology and Culture* (Osaki Bright Core Hall, Tokyo, Japan).
12. Kitada R (2016 Sep 19th) “Brain networks for haptic object recognition.” *The 2nd International Workshop on Neuroimaging and Human Connectomics*（Beijing Normal Universtiy, Beijing, China).
13. Kitada R (2016 Mar 17th) “Brain mechanisms underlying haptic recognition of familiar Objects (Translated from Japanese)” *Japanese Psychonomic Society Forum*（Tohoku-gakuin University, Sendai, Japan.
14. Kitada R (2016 Feb 1st) “Touch and Blindness: the brain network underlying the haptic object recognition for sighted and blind individuals.” *Invited seminar at Nanyang Technological University Singapore.*
15. Kitada R (2015Nov5th) “The effect of visual deprivation on brain networks underlying the recognition of face and body parts.” *5th NIPS-CIN Joint Symposium* (National Institute for Physiological Sciences, Okazaki, Aichi).
16. Kitada R (2015 Oct 23rd) “The effect of blindness on mentalizing (Translated from Japanese)” *Seminar at Graduate School of Humanities and Sociology, Tokyo University* (Tokyo University, Tokyo, Japan).
17. Kitada R (2015 Sep 23rd) “Brain networks underlying the haptic object recognition (Translated from Japanese)” *Award Lecture for International contributions to the Japanese Psychological Association* (Nagoya Congress Center, Aichi, Japan).
18. Kitada R (2015 Mar 14th) “Brain networks for action understanding and imitation (Translated from Japanese)” Invited lecture at Japanese Cognitive Science Society Perception and Psychonomic modelling research group (Tokyo Woman’s University, Tokyo, Japan).
19. Kitada R (2015Feb 21st) “Is vision necessary for action understanding and mentalizing? (Translated from Japanese)” *Kwansei Gakuin University CAPS symposium* (Kwansei Gakuin University, Nishinomiya, Hyogo, Japan) .
20. Kitada R (2014Oct 22nd) “How and what blindness affects our mind and brains? (Translated from Japanese)” *Public lecture at Uno Hospital* (Uno hospital, Okazaki, Aichi, Japan).
21. Kitada R (2014July14th) “Brain network underlying haptic object recognition” *Symposium on "Shitsukan" of Touch* (The University of Electro Communication, Chofu, Tokyo)
22. Kitada R (2014Feb12th) “Touch and material perception in the brain” *Consortium for Applied Neuroscience* (Toyosu Center building, Tokyo, Japan)
23. Kitada R (2013Nov20th) “Neural mechanisms of tactile texture perception.” *Research group on real object SHITSUKAN* (Nagoya Prime Central Tower, Nagoya, Aichi, Japan)
24. Kitada R (2013 Oct 17th) “Neural representation underlying the recognition of facial and bodily expressions in the early blind” *Blind Brain Workshop* (Bagni di Pisa Palace & Spa, Pisa, Italy)
25. Kitada R (2013 March 19th) “Cognitive brain mechanisms underlying haptic Communication (Translated from Japanese)” *NITECH-NIPS symposium*（Nagoya Institute of Technology, Nagoya, Japan）
26. Kitada R (2012 Oct 26th) “Brain mechanisms underlying the haptic object perception” *Symposium of comfortableness, The Japan Research Association for Textile End-Uses* (The Consortium of Universities in Kyoto, Kyoto).
27. Kitada R (2012 Feb 14th) “Neural substrates of haptic object perception” *International Seminar on Time Series Modeling of Neuroscience Data* (National Institute for Physiological Sciences Okazaki, Japan).
28. Kitada R (2010 January 28th) “Tactual object processing: the functional architecture of the brain” *Invited seminar.* (NTT Communication Science Laboratories, Atsugi, Kanagawa, Japan).
29. Kitada R (2006 Mar 6th) “Neural substrates of haptic body-part recognition: functional MRI study” *MRI Mayhem seminar* (Center for Neuroscience, Queen’s University, Kingston, Ontario, Canada).
30. Kitada R (2005 Nov 9th) “Tactile estimation of the roughness of gratings yields a graded

response in the human brain: an fMRI study" *Tactile Research Group Meeting, a Sattelite Meeting of Psychonomics Society* (Toronto, Ontario, Canada).

31. Kitada R (2004 Nov 8th) "Research on human somatosensory system: fMRI studies on processing of object properties" *Seminar of the BBCS (Brain, Behavior and Cognitive Science) group* (Queen's University, Department of Psychology) (Kingston, Ontario, Canada).

Research Funding

External Grants

Role	Year	Project Title	Amount (S$)	Source of Grant
PI	2021-2023	The relationship between touch and social cognition in autism spectrum disorders	593,125	Grants-in-Aid for Scientific Research, MEXT/JSPS Japan
Co-PI	2020-2023	Assessing causality of the association between exercise and neurocognitive gains	664,769	AcRF Tier 2
PI	2016 - 2018	Neural correlates underlying onomatopia expressing tactile material perception	107,250 (I declined in 2017 because I moved to Singapore. This grant is specific to researchers working in Japan)	Grant-in-Aid for Scientific Research on Innovative Areas, MEXT/JSPS Japan
PI	2015 - 2015	Neural substrates underlying velvet hand illusion	9,375	Hayao Nakayama Foundation for Science & Technology and Culture
PI	2013 - 2014	Neural substrates underlying emotional processing evoked by interpersonal touch	149,500	Grant-in-Aid for Scientific Research on Innovative Areas MEXT/JSPS Japan
PI	2013 - 2015	Effects of visual deprivation on the development of social bond	53, 625	Grant-in-Aid for Young Scientists （B） MEXT/JSPS Japan
PI	2011-2012	Cross-modal neural system underlying material perception	55,250	Grant-in-Aid for Young Scientists （B） MEXT/JSPS Japan
PI	2011-2012	Haptic face imitation	87,750	Grant-in-Aid for Scientific Research on Innovative Areas MEXT/JSPS Japan

PI	2009-2010	Haptic Face perception and recognition	69,875	Grant-in-Aid for Scientific Research on Innovative Areas MEXT/JSPS Japan

External Grant Prosals that were submitted but pending or rejected

Role	Year	Project Title	Amount (S$)	Source of Grant
PI	2020	The impact of Remote Learning on Social, Psychological and Academic outcomes	996,469.20	SSRTG
PI	2020	AI-based stress bio-feedback system	35,240.00	NRF THRIVE IN THE NEW COVID-19 NORMAL
PI	2019	Affective touch and individual differences in social cognition	720,744.06	AcRF Tier 2 (EP3)
Co-PI	2019	Managing Emotional Tears to Foster Empathy, Prosocial Behavior, and Well-being	399,390	SSRTG
Co-PI	2019	Determining Effective Hand Movement Paradigms for Interpreting Tactile Graphics	390,071 (275,000 USD)	NIH R21 grant

Internal Grants

Role	Year	Project Title	Amount (S$)	Source of Grant
PI	2017 - 2022	Touch and Blindness: cognitive brain researches on multisensory perception/cognition and the effect of visual deprivation on them	916, 046	NAP Startup Grant

Citation Summary

Database	Citation Count		H-index
	without self-citations	with self-citations	
Scopus	NA	1037	16
Web of Science (SCI)	786	875	15
Google Scholar		1639	20

Publications

^	Denotes corresponding author

~	Denotes PI/ Supervisor/Team Lead
**	Denotes directly supervised research staff, i.e. POs, RAs, RFs, postdocs, etc.
*	Denotes PhD or research students (supervised or co-supervised)
+	Denotes other students and research staff
c	Denotes equal contributions of authorship

- The symbols only apply to faculty (except for the students/researcher**/ other student & research staff+)*
- Schools may adopt part of the legend for publications deemed relevant and to use the symbols that are appropriate and relevant for their disciplines.

Journal Papers

1. *Wong LS, Kwon J, Zheng Z, Styles SJ, Sakamoto M, ^~**Kitada R** (in press) Japanese sound-symbolic words for representing the hardness of an object are judged similarly by Japanese and English speakers. *Frontiers in Psychology*
2. Yoshimoto T, Okazaki S, Sumiya M, Takahashi HK, Nakagawa E, Koike T, **Kitada R**, Okamoto S, Nakata M, Yada T, Kosaka H, ~Sadato N, ^Chikazoe J (in press). Coexistence of sensory qualities and value representations in human orbitofrontal cortex. *Neuroscience Research*
3. **^~Kitada R**, Sadato N (2021) Multisensory integration and its plasticity – how nature and nurture contribute to forming individual differences? (Editorial) *Cortex* A1-A5
4. ^~Okamoto Y, **Kitada R**, Kochiyama T, Miyahara M, Naruse H, Sadato N, Okazawa H, Kosaka H (2021). Importance of the early visual cortex and the lateral occipito-temporal cortex for the self-hand specific perspective process. *Neuroimage: Reports* 1(4):100046.
5. **^~Kitada R**, *Ng M, **Tan ZY, *Lee XE, Kochiyama T (2021) Physical correlates of human-like softness elicit high tactile pleasantness. *Scientific Report* 11,16510.
6. ^~Okamoto Y, **Kitada R**, Tanabe HC, Sasaki AT, Kochiyama T, Yahata N, Sadato N (2021) The extrastriate body area is involved in reciprocal imitation of hand gestures, vocalizations, and facial expressions: a univariate and multivariate fMRI study. S*ocial Neuroscience*16(4) 448-465.
7. **^~Kitada R**, Kwon J, Doizaki R, Nakagawa E, Tanigawa T, Kochiyama T, Kajimoto H, Sakamoto M, Sadato N (2021) Brain networks underlying the processing of sound symbolism related to softness perception. *Scientific Reports* 11, 7399
8. **Pasqualotto A, *Ng MHS, **Tan ZY, **^~Kitada R** (2020) Tactile perception of pleasantness in relation to perceived softness. Scientific Reports, 10: 11189
9. ^~Okamoto Y, **Kitada R**, Kochiyama T, Naruse H, Makita K, Miyahara M, Okazawa H, ^Kosaka H (2020) Visual Body Part Representation in the Lateral Occipitotemporal Cortex in Children/Adolescents and Adults. *Cerebral Cortex Communications* 1: 1-13
10. ^~Okamoto Y, **Kitada R**, Seki A., Yanaka H., Kochiyama T., and Koeda T. (2020) Differences between children and adults in functional connectivity for gestural interaction. *Social Neuroscience* 15, 311-323.
11. **Pasqualotto A, *Jia Yin C, Ohka M, **^~Kitada R** (2020) The effect of object compliance on the velvet hand illusion. *IEEE transactions on haptics* 13: 571-577
12. ^~Kanayama N, Hara M, Watanabe J, **Kitada R**, Sakamoto M, Yamawaki S (2019) Controlled emotional tactile stimulation during functional magnetic resonance imaging and Electroencephalography. *Journal of Neuroscience Methods* 327:108393.
13. Fahey S, Santana C, **Kitada R**, ^~Zheng Z (2019) Affective judgment of social touch on a hand modulated by hand embodiment. *The Quarterly Journal of Experimental Psychology* 72, 2408–2422
14. **^~Kitada R**, Doizaki R, Kwon J, Tanigawa T, Nakagawa E, Kochiyama T, Kajimoto H, Sakamoto M, Sadato N (2019) Brain networks underlying tactile softness perception: A functional magnetic resonance imaging study. *NeuroImage* 197, 156-166
15. Suvilehto JT, Nummenmaa L, Harada T, Dunbar RIM, Hari R, Turner R, Sadato N,

^~Kitada R (2019) Cross-cultural similarity in relationship-specific social touching. *Proceedings of the Royal Society B: Biological Sciences* 286, 20190467

16. ^~Ito K, Chew Wei O, **^Kitada R** (2019) Emotional Tears Communicate Sadness But Not Excessive Emotions Without Other Contextual Knowledge. *Frontiers in Psychology* 10, 878. #
17. **Sasaki AT, **Okamoto Y, Kochiyama T, **^Kitada R**, and ~Sadato N. (2018). Distinct sensitivities of the lateral prefrontal cortex and extrastriate body area to contingency between executed and observed actions. *Cortex* 108, 234-2511.
18. **Rajaei N, *Aoki N, *Takahashi HK, Miyaoka T, Kochiyama T, Ohka M, Sadato N, and **^~Kitada R** (2018) The brain networks underlying conscious tactile perception of textures revealed by the Velvet Hand Illusion. *Human Brain Mapping* 39(12), 4787-4801.
19. ^~Okamoto Y, **Kitada R**, Miyahara M, Kochiyama T, Naruse H, Sadato, N., Okazawa, H., and Kosaka, H. (2018) Altered perspective-dependent brain activation for viewing hands and associated imitation difficulties for individuals with ASD. *NeuroImage-Clinical*, 19, 384-395.
20. ^~Kawamichi H, Sugawara SK, Hamano YH, **Kitada R**, Nakagawa E, Kochiyama T, and Sadato N (2018) Neural correlates underlying change in state self-esteem. *Scientific Reports* 8, 1798.
21. *Sumiya M, Koike T, Okazaki S, **^Kitada R**, and ^~Sadato N (2017) Brain networks of social action-outcome contingency: the role of the ventral striatum in integrating signals from the sensory cortex and medial prefrontal cortex. *Neuroscience Research* 123, 43-54.
22. Fujimoto S, ~Tanaka S, Laakso I, Yamaguchi T, Kon N, Nakayama T, Kondo K, and **^Kitada R** (2017) The Effect of Dual-Hemisphere Transcranial Direct Current Stimulation Over the Parietal Operculum on Tactile Orientation Discrimination. *Frontiers in Behavioral Neuroscience* 11,173.
23. ^Okamoto Y, Kosaka H, **Kitada R**, Seki A, Tanabe HC, Hayashi MJ, Kochiyama T, Saito DN, Yanaka HT, Munesue T, Ishitobi M, Omori M, Wada Y, Okazawa H, Koeda T, and ~Sadato, N. (2017). Age-dependent atypicalities in body- and face-sensitive activation of the EBA and FFA in individuals with ASD. *Neuroscience Research* 119, 38-52.
24. Yang J, **^Kitada R,** Kochiyama T, Yu Y, Makita K, Araki Y, Wu J, and ~Sadato N (2017) Brain networks involved in tactile speed classification of moving dot patterns: the effects of speed and dot periodicity. *Scientific Reports* 7, 40931.
25. ^~Tanaka SC, ^Yamada K, **Kitada R,** Tanaka S, Sugawara SK, Ohtake F, and Sadato N. (2016) Overstatement in happiness reporting with ordinal, bounded scale. *Scientific Reports* 7, 21321.
26. ^~Pawluk DTV, Adams RJ, and **Kitada R** (2015). Review: Behavioral Research, Technology Development and Applications in Assistive Technology for Individuals Who are Blind or Vision Impaired Using Haptics. *IEEE transactions on haptics* 8, 258-278.
27. *Takahashi HK, **^Kitada R**, Sasaki AT, Kawamichi H, Okazaki S, Kochiyama T, and ^~Sadato N (2015). Brain networks of affective mentalizing revealed by the tear effect: The integrative role of the medial prefrontal cortex and precuneus. *Neuroscience Research* 101, 32-43.
28. §^Kawamichi H, **§^Kitada R**, Yoshihara K, Takahashi H, and Sadato ~N. (2015). Interpersonal Touch Suppresses Visual Processing of Aversive Stimuli. *Frontiers in Human Neuroscience* 9, 164.
29. *Okamoto Y, **Kitada R**, Tanabe HC, Hayashi MJ, Kochiyama T, Munesue T, Ishitobi M, Saito DN, Yanaka HT, Omori M, Wada Y, Okazawa H, Sasaki AT, Morita T, Itakura S, Kosaka H, and ^~Sadato N (2014) Attenuation of the contingency detection effect in the extrastriate body area in autism spectrum disorder. *Neuroscience Research* 87, 66-76.
30. **^~Kitada R**, Sasaki AT, Okamoto Y, Kochiyama T, and Sadato N (2014) Role of the precuneus in the detection of incongruency between tactile and visual texture information: A functional MRI study. *Neuropsychologia* 64, 252-262.
31. **^~Kitada R**, Yoshihara K, Sasaki AT, Hashiguchi M, Kochiyama T, and Sadato N (2014) The brain network underlying the recognition of hand gestures in the blind: the supramodal role of the extrastriate body area. *The Journal of Neuroscience* 34(30), 10096-10108.

32. ^~Miyahara M, **^Kitada R**, Sasaki AT, Okamoto Y, Tanabe HC, and Sadato N (2013). From gestures to words: spontaneous verbal labeling of complex sequential hand movements reduces fMRI activation of the imitation-related regions. *Neuroscience Research* 75(3), 228-238.
33. **^~Kitada R**, Okamoto Y, Sasaki AT, Kochiyama T, Miyahara M, Lederman SJ, Sadato N (2013) Early visual experience and the recognition of basic facial expressions: involvement of the middle temporal and inferior frontal gyri during haptic identification by the early blind. *Frontiers in Human Neuroscience* 7, 7.
34. **^~Kitada R**, Sadato N, and Lederman SJ (2012). Tactile perception of nonpainful unpleasantness in relation to perceived roughness: effects of inter-element spacing and speed of relative motion of rigid 2-D raised-dot patterns at two body loci. *Perception* 41(2), 204-220.
35. Pawluk D, **Kitada R**, Abramowicz A, Hamilton C, ^~Lederman SJ (2011) Figure/Ground Segmentation via a Haptic Glance: Attributing Initial Finger Contacts to Objects or Their Supporting Surfaces. *IEEE Transactions on Haptics* 4(1), 2-13.
36. **^Kitada R**, Dijkerman HC, Soo G, ~Lederman SJ (2010). Representing human hands haptically or visually from first-person versus third-person perspectives. *Perception* 39(2), 236-254.
37. **^Kitada R**, Johnsrude IS, Kochiyama T, and ~Lederman SJ (2010). Brain networks involved in haptic and visual identification of facial expressions of emotion: an fMRI study. *NeuroImage* 49(2), 1677-1689.
38. **^Kitada R**, Johnsrude IS. Kochiyama T, and ~Lederman SJ (2009). Functional specialization and convergence in the occipito-temporal cortex supporting haptic and visual identification of human faces and body parts: an fMRI study. *Journal of Cognitive Neuroscience* 21(10), 2027-2045.
39. Lawrence MA, **Kitada R**, Klatzky RL, and ^~Lederman SJ (2007). Haptic roughness perception of linear gratings via bare finger or rigid probe. *Perception* 36(4), 547-557.
40. ^~Lederman SJ, Kilgour A, **Kitada R**, Klatzky RL, and Hamilton C (2007). Haptic face processing. *Canadian Journal of Experimental Psychology* 61(3), 230-241.
41. ^~Lederman SJ, Klatzky RL, Abramowicz A, Salsman K, **Kitada R**, and Hamilton C (2007). Haptic recognition of static and dynamic expressions of emotion in the live face. *Psychological Science* 18(2), 158-164.##
42. **Kitada R**, Kito T, Saito DN, Kochiyama T, Matsumura M, ^Sadato N, and ~Lederman SJ. (2006). Multisensory activation of the intraparietal area when classifying grating orientation: a functional magnetic resonance imaging study. *The Journal of Neuroscience* 26(28), 7491-7501.##
43. Kilgour AR, **Kitada R**, Servos P, James TW, and ^~Lederman SJ (2005). Haptic face identification activates ventral occipital and temporal areas: an fMRI study. *Brain and Cognition* 59(3), 246-257. #
44. **Kitada R**, Hashimoto T, Kochiyama T, Kito T, Okada T, Matsumura M, Lederman SJ, and ^~Sadato N (2005). Tactile estimation of the roughness of gratings yields a graded response in the human brain: an fMRI study. *NeuroImage* 25(1), 90-100.##
45. **Kitada R**, Kochiyama T, Hashimoto T, Naito E, and ^~Matsumura M (2003). Moving tactile stimuli of fingers are integrated in the intraparietal and inferior parietal cortices. *Neuroreport* 14(5), 719-724. #
46. Naito E, Kochiyama T, **Kitada R**, Nakamura S, Matsumura M, Yonekura Y, and ^~Sadato N (2002). Internally simulated movement sensations during motor imagery activate cortical motor areas and the cerebellum. *The Journal of Neuroscience* 22(9), 3683-3691.##
47. **Kitada R**, Naito E, and ^~Matsumura M (2002). Perceptual changes in illusory wrist flexion angles resulting from motor imagery of the same wrist movements. *Neuroscience* 109(4), 701-707.

Book chapters

1. **Kitada R** (in press) Physiology of touch. In Tadashi Oyama, Tenji Wake, Jun Shigeno, and Ikuya Murakami (eds). Shin-Shinri-gaku Kennkyu-hou (New Psychological Methodologies on perception research). Seishin-Shobo (written in Japanese).
2. **Kitada R** (2016) THE BRAIN NETWORK FOR HAPTIC OBJECT RECOGNITON. In H. Kajimoto, S. Saga & M. Konyo (eds). Pervasive haptics 21–37 Springer Japan.
3. ^Kawamichi H, Yoshihara K, **Kitada R**, Matsunaga M, Sasaki AT, Yoshida Y, Takahashi HC, Sadato N (2014) Sense of Acceptance: Key Factor of Social Learning. In Akazawa T, Ogihara N, Tanabe, HC and Terashima H (eds). Dynamics of Learning in Neanderthals and Modern Humans (vol.2). pp. 217-220. Tokyo: Springer Japan.
4. **Kitada R** (2011) Neuroimaging methods for tactile research. In Ikuya Murakami (eds). Shinri-gaku Kennkyu-hou (Psychological Methodologies on perception research). pp. 184-185. Seishin-Shobo (written in Japanese).
5. ^Lederman SJ, **Kitada R**, Klatzky RL (2010) Visuo-haptic face perception In Kaiser J & Naumer MJ (eds). Multsensory Object Perception in the Primate Brain. pp. 273-300. Springer Verlag.
6. **Kitada R** (2010) 'Tactile information processing in the human brain' In M. Shimojo, T., Maeno, H., Shinoda & A., Sano (eds) Shokkaku-Ninshiki-Mechanism To Shokkaku Sensor, Shokkaku Display Gijutsu (Mechanisms of haptic recognition and technologies of haptic displays). pp. 19-35. Science and Technology (written in Japanese).
7. **^Kitada R** and Pawluk DTV (2010) 'Tactile sensation' Corsini Encyclopedia of Psychology (4th edition), 4: pp. 1751-1752. John Wiley & Sons.
8. ^Lederman SJ**, Kitada R** and Pawluk DTV (2010) 'Haptic perception' Corsini Encyclopedia of Psychology (4th edition), 2: pp. 750-752. John Wiley & Sons.
9. **Kitada R** (2003) 'Motor imagery, Kinesthesia and illusion, Active touch, Motor cognition and Mirror Neuron' In. Matsumura M, Oda S and Ishihara A (eds). Nou Hyakuwa (One hundred stories of the human brain, edited by), pp. 106-112. Ichimura Publishing House (written in Japanese).
10. **Kitada R** (2002) 'Hitono-ugokino-shinkeikagaku' [Charles T. Leonard (1997), 'The Neuroscience of Human Movement' Elsevier Science Health Science] edited by Matsumura M, Moritani T and Oda S, pp. 38-47, Ichimura Publishing House.

Conference Papers

1. Pasqualotto A**, Ng MHS**, ^**Kitada R** (2019 July 11th) Tactile perception of pleasantness
   in relation to perceived softness. IEEE World Haptics Conference (Tokyo, Japan).
2. **Kitada R** (2018 July 28th) The role of the extrastriate body area in social cognition: from body recognition to contingency detection. The Annual meeting at the Japan Neuroscience Society (Kobe, Japan).
3. ^**Kitada R** (2018 June 19th) The effect of congenital blindness on body-sensitivity in the lateral occipito-temporal cortex. The Annual meeting of Human Brain Mapping 2018 (Singapore).
4. **^Kitada R,** Doizaki R, Kwon J, Nakagawa E, Kajimoto H, Sakamoto M, Sadato N (2018 June 21st) Brain network underlying tactile estimation of object stiffness - an fMRI study - going to be presented at the Annual meeting of Human Brain Mapping 2018 (Singapore
5. **Yoshimoto T,** ^Chikazoe J**,** Okazaki S, Sumiya M, Takahashi HK, Nakagawa E, Koike T, **Kitada R**, Okamoto S, Nakata M, Kosaka H, Yada T, Sadato N(2017 Nov 4th) Abstractness of value representation in orbitofrontal cortex. The 47th annual meeting of the Society for Neuroscience (Washington,D.C., USA).
6. **Okamoto Y,** Kitada R**,** Arai S, Kochiyama T, Ishikawa S, Sadato N, Okazawa H, and ^Kosaka H (2016 July 20th) Distinct neural representation of perspective of hand in the lateral occipito-temporal cortex. The 39th Annual Meeting of the Japan Neuroscience Society (Yokohama, Japan).
7. ***Sumiya M**, Koike T, Okazaki S, Kitada R, and ^Sadato N (2015 Oct 20th) A rewarding

nature of conversation: an fMRI study on the contingency between own action and positive outcome. The 45th annual meeting of the Society for Neuroscience (Chicago., U.S.A.)

8. **Nakatani S,** Takahashi H, Aoki N, Kitada R, Sadato N, Kamitani Y, and ^Miyawaki Y (2015 Sep 2nd) Tactile information representation in the human visual cortex. 25th annual meeting of Japanese Neural Network Society (The University of Electro-Communications, Chofu, Tokyo, Japan) (presented in Japanese).
9. **Kitada R** (2015 June 5th) The supra-modal brain network for the recognition of faces and bodies: is visual experience necessary for the development of high-order visual cortices? The 5th International Conference on Cognitive Neurodynamics (ICCN) (Sanya, China).
10. ***Rajaei N, ^Kitada R,** Aoki N, Takahashi HK, Miyaoka T, Ohka M and **Sadato N** (2015 Mar 23rd) The brain network underlying the velvet hand illusion: An fMRI study. 92th annual meeting of Physiological Society of Japan (Kobe International Conference Center, Kobe, Hyogo, Japan).
11. ****Rajaei N, ^Kitada R,** Aoki N, Takahashi HK, Miyaoka T, Ohka M, Sadato N (2015 June 18) The brain network underlying the velvet hand illusion: An fMRI study. The 21st Annual Meeting of Organization for Human Brain Mapping (Hawaii, US).
12. **Yamada K, ^Tanaka SC,** Kitada R, Sugawara SK, Takahashi H., Ohtake F and Sadato N (2014 Nov 18th) Neural mechanism of social preferences toward reference persons of the same and different gender. The 44th annual meeting of Society for Neuroscience (Washington DC, US).
13. **^Kitada R,** Sasaki AT, Okamoto Y, Kochiyama T and Sadato N (2014 Nov 15th) The precuneus is involved in the detection of incongruency between tactile and visual texture information: A functional MRI study. The 44th annual meeting of Society for Neuroscience(Washington DC, US).
14. **^Kitada R,** Sasaki AT, Okamoto Y, Kochiyama T and Sadato N (2014 July 16th) The precuneus is involved in the detection of incongruency between tactile and visual texture information: A functional MRI study. Future of Shitsukan Research, (Tokyo, Japan).
15. **^Kitada R,** Yoshihara K, Sasaki AT, Hashiguchi M, Kochiyama T and Sadato N (2014 June 12th) The brain network underlying the recognition of gestures in the blind: the supramodal role of EBA. The 20th Annual Meeting of Organization for Human Brain Mapping (Hamburg, Germany).
16. ***Takahashi HK, ^Kitada R,** Sasaki AT, Kawamichi H and **Sadato N** (2014 June 11th) Interaction between TPJ and the medial prefrontal cortex for the inference of other's sadness. The 20th Annual Meeting of the Organization for Human Brain Mapping (Hamburg, Germany).
17. **Sasaki AT,** Kitada R**,** Okamoto Y and ^Sadato N (2013 Nov 10th). Neural substrates of contingency detection for self and others - an fMRI study. The 43rd Annual Meeting of the Society for Neuroscience (San Diego, CA, US).
18. ***Takahashi HK,** ^Kitada R**,** Sasaki AT, Kawamichi H and Sadato N（2013 June 21st）Tears modulate recognition of sadness: an fMRI study. 36th annual meeting of The Japan Neuroscience Society (Kyoto International Conference Center, Kyoto, Japan).
19. ***Okamoto Y,** Kosaka H, Kitada R, Tanabe HC, Munesue T, Ishitobi M., Hayashi MJ, Saito DN, Sasaki A, Yanaka H, Kochiyama T, Omori M, Morita T, Wada Y, Itakura S, Okazawa H and Sadato N (2012 Dec 16th）The EBA dysfunction in the autism spectrum disorders (ASD); as a“comparator”of self and other’s action during reciprocal imitation. 41th NIPS international symposium (Okazaki, Japan).
20. **^Kitada R** and Sadato N（2013 Jan 31st）Neural substrates involved in recognition of facial expressions and identity. 2nd meeting of Social Neuroscience Meeting（Okazaki Conference Center, Okazaki, Aichi, Japan）(presented in Japanese).
21. ****Sasaki AT,** Kitada R, OkamotoY, and Sadato N（2013 Jan 31st）Neural substrates involved in social contingency. 2nd meeting of Social Neuroscience Meeting（Okazaki Conference Center, Okazaki, Aichi, Japan）(presented in Japanese).
22. **^Kitada R,** Okamoto Y, Sasaki AK, Kochiyama T, Miyahara M, Lederman SJ and Sadato N (2012 Nov 1st) Early visual experience and the recognition of facial expressions: Involvement of the middle temporal and inferior frontal gyri in haptic identification by the

early blind. NIPS International Symposium Face Perception and Recognition (Okazaki, Japan).

23. *__Takahashi HK,__ Kitada R__,__ Sasaki AT, Kawamichi H and Sadato N (2012 Nov 1st) Neural substrates involved in recognition of tears on the face: a fMRI study. The 43rd NIPS International Symposium: Face Perception and Recognition (Okazaki, Japan).
24. ***Takahashi HK,** Kitada R**,** Sasaki AT Kawamichi H and Sadato N (2012 Oct 15th). Neural substrates of cognitive empathy for sadness modulated by tears: A functional MRI study. The 42nd Annual Meeting of the Society for Neuroscience (New Orleans, LA, US).
25. **Yamada K,** ^Tanaka SC**,** Kitada R, Tanaka S, Sugawara S K, Sadato N and Ohtake F (2012 Oct 13th). Parietal cortex plays a role in translating cardinal utility into ordinal utility. The 42nd Annual Meeting of the Society for Neuroscience (New Orleans, LA, US).
26. **Araki Y,** Yang J, Kitada R, Sadato N and ^Wu J (2012 Mar 1st). Brain activations related to tactile speed discrimination: an fMRI study. The 2012 International Symposium on Early Detection and Rehabilitation Technology of Dementia (DRD2012) (Okayama, Japan).
27. **^Kitada R**, Okamoto Y, Sasaki AT, Kochiyama T, Miyahara M, Lederman SJ and Sadato N (2011 Oct 19th). Brain network involved in the recognition of facial expressions of emotion in the early blind. The 12th International Multisensory Research Forum (Fukuoka, Japan).
28. **^Kitada R,** Okamoto Y, Sasaki AT, Kochiyama T, Miyahara M, Lederman SJ, and Sadato N. (2011 Oct 6th) Early visual experience and facial affect recognition. 1st meeting of Social Neuroscience Meeting（Okazaki Conference Center, Okazaki, Aichi, Japan） (presented in Japanese).
29. **Kawamichi H, Kitada R,** Yoshihara HK, Takahashi H and **Sadato N** (2011 July 17th) Activation of the reward system by joining hands with familiar person: an fMRI study. The 8th IBRO World Congress of Neuroscience (Florence, Italy).
30. **Okamoto Y, Kosaka H, Kitada R,** Tanabe HC, Munesue T, Ishitobi M., Hayashi MJ, Saito DN, Kochiyama T, Yanaka H, Omori M, Wada Y, Okazawa H **and Sadato N**（2011 Sep）Dysfunction of EBA in the ASD－neural substrates involved in self-other discrimination during the mutual imitation. 13th Annual meeting of Japan Human Brain Mapping（Kyoto International Conference Center, Kyoto, Japan）
31. **Kitada R**, Lederman SJ, Miyahara M and Sadato N (2010 Nov 17th). Early blind can haptically classify static facial expressions of emotion. Tthe 40th Annual Meeting of Society for Neuroscience (San Diedgo, CA, US).
32. **Pawluk D, Kitada R,** Abramowicz A, Hamilton C and **Lederman SJ** (2010 Mar 25th). Haptic figure-ground differentiation via a haptic glance. 2010 IEEE Haptics Symposium(Waltham, MA, US).
33. ***Okamoto Y, Kitada R**, Sasaki A, Morita T, Itakura S, Kochiyama T, Tanabe HC and **Sadato N** (2010 Jan 23rd) “Like me”: The role of extrastriate body area for being imitated. Japan-US Brain Research Cooperative Program: Workshop: Development of the Social Brain (Tokyo, Japan).
34. ***Okamoto Y, Kitada R,** Sasaki A, Morita T, Itakura S, Kochiyama T, Tanabe HC and **Sadato N** (2009 Nov 27th) “Like me”: The role of extrastriate body area for reciprocal imitation. International Symposium: New Frontiers in Social Cognitive Neuroscience (Sendai, Japan).
35. ***Okamoto Y, Kitada R,** Sasaki A, Morita T, Itakura S, Kochiyama T, Tanabe HC, and **Sadato N** (2009 Oct 20th). “Like me”: The role of extrastriate body area for reciprocal imitation. The 39th Annual Meeting of the Society for Neuroscience (Chicago, IL, US).
36. **Kitada R,** Johnsrude IS, Kochiyama T, and Lederman SJ (2009 Sep) Brain networks involved in haptic and visual identification of facial expressions of emotion: an fMRI study. 32th Annual Meeting of Japan Society for Neuroscience (Nagoya Congress Center, Nagoya, Aichi, Japan).
37. ***Okamoto Y, Kitada R,** Sasaki A, Morita T, Itakura S, Kochiyama T, Tanabe HC, and **Sadato N** (2009 Sep) Neural substrates involved in self-other detection during the mutual imitation. The 32th Annual Meeting of Japan Society for Neuroscience (Nagoya Congress Center, Nagoya, Aichi, Japan).

38. **Kitada R,** Johnsrude IS, Kochiyama T, and Lederman SJ (2008 Nov 19th) Brain networks involved in haptic and visual identification of facial expressions of emotion : An fMRI study. The 38th Annual Meeting of Society for Neuroscience (Washington, DC, US).
39. **Kitada R,** Kochiyama T, and Lederman SJ (2007 Nov 4th) Fusiform face and extrastriate body areas are involved in the haptic identification of human faces and other body parts: an fMRI imaging study. The 37th Annual Meeting of Society for Neuroscience (San Diego, CA, US).
40. **Kitada R,** Lawrence MA, Klatzky RL, and ^Lederman SJ (2007 Mar 22nd). Haptic Roughness Perception of Linear Gratings via Bare Finger or Rigid Probe. World Haptics Conference (Tsukuba, Japan).
41. **Kitada R,** Kito T, Saito DN, Kochiyama T, Matsumura M, ^Sadato N, and Lederman SJ (2006 Nov 17th). Multisensory Activation of the Intraparietal Area When Classifying Grating Orientation: An fMRI Study. The 47th Annual Meeting of Psychonomic Society (Houston, TX, US).
42. **Kitada R,** Kito T, Saito DN, Kochiyama T, Matsumura M, ^Sadato N, and Lederman SJ (2006 June) Visuo-tactile activation of the intraparietal area during the classification of grating orientation: A Functional Magnetic Resonance Imaging Study. The 12th Annual Meeting of Human Brain Mapping (Florence, Italy).
43. **James TW,** Kilgour AR, Servos P, Kitada R, Huh E, and Lederman SJ (2006 May). Haptic exploration of facemasks recruits left fusiform gyrus. The 6th Annual meeting of the Vision Sciences Society (Sarasota, FL, US)
44. **Kitada R,** Hashimoto T, Kochiyama T, Kito T, Okada T, Matsumura M Lederman SJ, and Sadato N (2004 Oct) Graded response in the human brain for tactile roughness estimation of gratings: An fMRI study. The 34th Annual Meeting of Society for Neuroscience, (San Diego, CA, US).
45. **Kitada R,** Hashimoto T, Kochiyama T, Naito E and **^**Matsumura M (2002 Nov). Posterior parietal cortices integrate moving tactile stimuli of fingers; An fMRI study. The 32nd Annual Meeting of Society for Neuroscience, (Orlando, FL, US).
46. **Kitada R,** Kochiyama T, Hashimoto T, Naito E and ^Matsumura M (2002 June) Involvement of posterior parietal cortices for integration of moving tactile stimuli on fingers; An fMRI study. The 8th Annual Meeting of Human Brain Mapping, (Sendai, Japan).
47. **Kitada R,** Kochiyama T, Hashimoto T, Naito E and ^Matsumura M (2002 July) fMRI study on integration of dynamic stimulation on multiple fingers. 25th Annual meeting of Japan Neuroscience Society（Tokyo Big Sight, Tokyo, Japan）.
48. **Kitada R**, Naito E, Fetz EE and ^Matsumura M (2001 Nov) Perceptual changes in illusory wrist flexion angles resulting from motor imagery of the same wrist movements. The 31st Annual Meeting of Society for Neuroscience, (San Diego, CA, US).
49. **Kitada R**, Naito E, Kochiyama T, Nakamura S, Matsumura M, Yonekura Y, ^Sadato N (2001 Sep) Internally simulated movement sensations activate cortical motor areas and the cerebellum during motor imagery. The 24th Annual meeting of Japan Neuroscience Society（Kyoto International Convention Center, Kyoto, Japan）.
50. **Kitada R,** Naito E, and ^Matsumura M (2000 Sep）The effect of motor imagery on kinaesthetic illusion. The 23rd annual meeting of Japan Neuroscience Society（Pacifico Yokohama, Yokohama, Kanagawa, Japan）.

Working Papers / Pipeline

1. Tan ZY, Choo CM, Lin Y, Ho HN, **Kitada R** (under review) The Effect of Temperature on Tactile Softness Perception
2. Atilgan H, Wong E, **Kitada R** (in preparation) Brain networks underlying social interaction via touch.

3. Atılgan H, Xin JKX, Wong E, Tanaka S, Laakso I, Soldati M, Matilainen N, Pasqualotto A, Chen A, **Kitada R** (in preparation) Functional relevance of the extrastriate body area for visual and haptic body perception
4. **Kitada R**, Kawamichi H, Hamano YH, , Sugawara SK, Nakagawa E, Sadato N (in

preparation) Neural correlates of social touching revealed by fMRI.

TEACHING SUMMARY

Courses Taught

Univ.	*Course Title*	*Academic Year*	*Course Level*
Kobe University	Nonverbal communication	AY21 – AY22	UG
Kobe University	Nonverbal Communication lab	AY21 – AY22	UG
Kobe University	Nonverbal Communication seminar	AY21 – AY22	PG
Kobe University	Nonverbal Communication special lecture	AY21 – AY22	PG
Kobe University	Academic English Communication	AY21 – AY22	UG
Nanyang Technological University	Introduction to Neuroimaging (HP4273)	AY19 – AY20	UG
Nanyang Technological University	Applied Functional Neuroscience (HP7217)	AY19 – AY20	PG
Nanyang Technological University	Biological Psychology (HP2200)	AY17 – AY20	UG
Nanyang Technological University	Neural Systems and Behaviour (MD9108)	AY17 – AY19	PG

Academic Supervision and Mentoring

PhD students

No.	PhD Student	Period	Role	Thesis/ Project Title	Current Status
Current					
1	Hicret Atilgan	2018 - present	Supervisor	Neural networks underlying the blind brain	-
Graduated					
1	Motofumi Sumiya	2013 - 2017	Co-Supervisor	Brain networks of social action-outcome contingency	Currently Research fellow in NIPS Japan
2	Haruka Takahashi	2010 - 2015	Co-Supervisor	Brain networks of affective mentalizing revealed by the tear effect	Currently Researcher, at Kao Co. Ltd
3	Yuko Okamoto	2008 - 2013	Co-Supervisor	Atypical brain activation in adults with ASD during gestural interaction	Currently Lecturer, Waseda Univ.

Post-doctoral fellows

No.	Post-doc Fellow	Appointment	Period	Thesis/ Project Title	Current Status
In employment					
	NA				
Left service					
1	Achille Pasqualotto	Research Fellow	2018 - 2019	Softness perception and Affective touch	Assoc Prof. (University of Nottingham Malaysia)

SERVICE SUMMARY

Service Awards / Recognition

Year	Role
2017	Outstanding reviewer award, Cortex

School

University	Period of appointment	Role
Nanyang Technological University	2017 - 2021	Member, Psychology IRB
Nanyang Technological University	2017 – 2021	Member, HPAP
Nanyang Technological University	2020 – 2021	Coordinator for Course matching for exchange students

University

Period of appointment	Role
NA	NA

Academic Community

Period of appointment	Role
2011-present	Reviewing editor, **Frontiers in Physiology** (IF = 3.201, #1B journal)
2020-present	Editorial Board Member (Statistics advisor), **Psychological Science** (IF = 4.902, #1A)
2020-present	Editorial Board Member (Associate Editor), **Cortex** (IF = 4.314, #1B)