Hiromasa Takemura

Professor
Division of Sensory and Cognitive Brain Mapping
Department of System Neuroscience
National Institute for Physiological Sciences
38 Nishigononaka Myodaiji, Okazaki, Aichi 444-8585 JAPAN
E-mail: htakemur [at] *

* add nips.ac.jp following [at]

Education

2012   Ph.D.   Department of Life Sciences, The University of Tokyo (Advisor: Ikuya Murakami)
2009   M.A.   Multidisciplinary Sciences, The University of Tokyo
2007   B.A.   Liberal Arts, The University of Tokyo

Professional Experience

Sep 2021 – present: Professor, National Institute for Physiological Sciences

Sep 2021 – present: Professor, The Graduate University for Advances Studies (SOKENDAI)

Apr 2021 – present: Senior Researcher, Center for Information and Neural Networks (CiNet), Advanced ICT Research Institute, National Institute of Information and Communications Technology (NICT)

Apr 2018 – Mar 2021: Researcher (Tenure-Track), CiNet, NICT

Apr 2015 – Mar 2018: Senior Visiting Researcher, CiNet, NICT

Apr 2012 – Mar 2015: Postdoctoral Fellow, Department of Psychology, Stanford University (Advisor: Brian Wandell)

Teaching Experience

2018-present Guest Associate Professor, Graduate School of Frontier Biosciences, Osaka University

2017 Lecturer, "Special Lectures II", Graduate School of Frontier Biosciences, Osaka University (graduate)

2017 Lecturer, "Special Lecture on Biophysical Engineering B", School of Engineering Science, Osaka University (undergraduate, co-instructor with Ichiro Fujita)

2016 Guest Lecturer, "Advanced Brain Informatics A, B, C", Graduate School of Brain Sciences, Tamagawa University

2015 Guest Lecturer, "Neural plasticity", Graduate School of Science and Engineering, Sophia University (undergraduate and graduate, Instructor: Shinichi Furuya)

2015 Guest Lecturer, "K310: Statistics Methods", Department of Psychological and Brain Sciences, Indiana University (undergraduate, Instructor: Franco Pestilli)

2014 Course Instructor, "PSYCH287-01 Connectomics" (graduate, co-instructor with Brian Wandell and Stephen Smith). Department of Psychology, Stanford University

2013 Guest Lecturer, "Advanced Brain Informatics A, B, C", Graduate School of Brain Sciences, Tamagawa University

2010 Tutor, Autumn School for Computational Neuroscience, Japanese Neural Network Society

2009 Tutor, Autumn School for Computational Neuroscience, Japanese Neural Network Society

2011 – 2012 Teaching Assistant, "Cognitive and Behavioral Science Experiment", The University of Tokyo

2007 – 2009 Teaching Assistant, "Information processing", The University of Tokyo

Honors and Fellowships

2015 – 2018	JSPS Superlative Postdoctoral (SPD) Fellow
2013 – 2015	JSPS Postdoctoral Fellow for Research Abroad
2009 – 2013	Research Fellow, Japan Society for the Promotion of Science
2018	Outstanding Abstract Award, ISMRM Japanese Chapter
2017	Magna Cum Laude Merit Award, International Society for Magnetic Resonance in Medicine (ISMRM)
2011	Young Investigator Award, Japan Young Physiologist Association
2011	Dean Prize, The Graduate School of Arts & Sciences, The University of Tokyo
2011	JSPS Ikushi Prize from the Japan Society for the Promotion of Science
2010	Best Presentation Award from the Japanese Psychonomic Society
2010	Best Student Poster Award from Asia-Pacific Conference on Vision
2009	Prize for encouragement, Department of Life Sciences, The University of Tokyo
2009	Best Presentation Award from Vision Society of Japan
2008	Best Presentation Award from the Japanese Psychonomic Society

Research Grants

2021 – 2024	Collaborative Research in Computational Neuroscience (CRCNS): Innovative Approaches to Science and Engineering Research on Brain Function, National Eye Institute (US)/National Institute of Information and Communications Technology (NICT) (role: Co-PI with Jonathan Winawer and Noah Benson)
2021 – 2024	Grant-in-Aid for Scientific Research (B), Japan Society for the Promotion of Science (role: PI, ¥13,300,000 for three years)
2019 – 2022	Grant-in-Aid for Scientific Research (C), Japan Society for the Promotion of Science (role: Co-investigator, PI: Yoichiro Masuda)
2017 – 2021	Grant-in-Aid for Young Scientists (A), Japan Society for the Promotion of Science (role: PI, ¥19,600,000 for four years)

2015 – 2018	Grant-in-Aid for JSPS Fellows, Japan Society for the Promotion of Science (¥9,000,000 for three years)
2012 – 2013	JSPS Institutional Program for Young Researcher Overseas Visits
2011 – 2013	Grant-in-Aid for JSPS Fellows, Japan Society for the Promotion of Science (¥1,400,000 for two years)
2009 – 2011	Grant-in-Aid for JSPS Fellows, Japan Society for the Promotion of Science (¥2,000,000 for two years)

Publications

Takemura, H. & Rosa, M.P.G. (2021) Understanding structure–function relationships in the mammalian visual system: part one. *Brain Structure and Function*, **226**, 2741–2744.

Amemiya, K., Naito, E. & **Takemura, H.** (2021) Age dependency and lateralization in the three branches of the human superior longitudinal fasciculus. *Cortex*, **139**, 116–133.

Masuda, Y., **Takemura, H.**, Terao, M., Miyazaki, A., Ogawa, S., Horiguchi, H., Nakadomari, S., Matsumoto, K., Nakano, T., Wandell, B.A. & Amano, K. (2021) V1 projection zone signals in human macular degeneration depend on task despite absence of visual stimulus. *Current Biology*, **31**(2), 406–412.

Takemura, H.*, Palomero-Gallagher, N.*, Axer, M., Gräßel, D., Jorgensen, M.J., Woods, R. & Zilles, K.* (2020) Anatomy of nerve fiber bundles at micrometer-resolution in the vervet monkey visual system. *eLife*, **9**, e55444. (*: equal contributions)

Takemura, H. & Thiebaut de Schotten, M. (2020) Perspectives given by structural connectivity bridge the gap between structure and function. *Brain Structure and Function*, **225**(4), 1189–1192. (Editorial)

Takemura, H., Yuasa, K. & Amano, K. (2020) Predicting neural response latency of the human early visual cortex from MRI-based tissue measurements of the optic radiation. *eNeuro*, **7**(4), ENEURO.0545-19.2020. 1–18.

Kaneko, T.*, **Takemura, H.***, Pestilli, F., Silva, A.C., Ye, F.Q. & Leopold, D.A. (2020) Spatial organization of occipital white matter tracts in the common marmoset. *Brain Structure and Function*, **225**(4), 1313–1326. (*: equal contributions)

Minami, S., Oishi, H., **Takemura, H.** & Amano, K. (2020) Inter-individual differences in occipital alpha oscillations correlate with white matter tissue properties of the optic radiation. *eNeuro*, **7**(2), ENEURO.0224-19.2020 1–11.

Bullock, D., **Takemura, H.**, Caiafa, C.F., Kitchell, L., McPherson, B., Caron, B. & Pestilli, F. (2019) Associative white matter connecting the dorsal and ventral posterior human cortex. *Brain Structure and Function*, **224**(8), 2631–2660.

Takemura, H.*, Ogawa, S.*, Mezer, A.A., Horiguchi, H., Miyazaki, A., Matsumoto, K., Shikishima, K., Nakano, T. & Masuda, Y. (2019) Diffusivity and quantitative T1 profile of human visual white matter tracts after retinal ganglion cell damage. *NeuroImage: Clinical*, **23**, 101826. (*: equal contributions)

Takemura, H., Pestilli, F. & Weiner, K.S. (2019) Comparative neuroanatomy: integrating classic and modern methods to understand association fibers connecting dorsal and ventral visual cortex. *Neuroscience Research*, **146**, 1–12.

Oishi, H.*, **Takemura, H.*,** Aoki, S.C., Fujita, I. & Amano, K. (2018) Microstructural properties of the vertical occipital fasciculus explain the variability in human stereoacuity. *Proceedings of the National Academy of Sciences of the United States of America*, **115**(48), 12289–12294. (*: equal contributions)

Uesaki, M., **Takemura, H.** & Ashida, H. (2018) Computational neuroanatomy of human stratum proprium of interparietal sulcus. *Brain Structure and Function*, **223**(1), 489–507.

Takemura, H., Pestilli, F., Weiner, K.S., Keliris, G.A., Landi, S., Sliwa, J., Ye, F.Q., Barnett, M., Leopold, D.A., Freiwald, W.A., Logothetis, N.K. & Wandell, B.A. (2017) Occipital white matter tracts in human and macaque. *Cerebral Cortex*, **27**(6), 3346–3359.

Rokem, A., **Takemura, H.**, Bock, A., Scherf, K. S., Behrmann, M., Wandell, B., Fine, I., Bridge, H. & Pestilli, F. (2017) The visual white matter: The application of diffusion MRI and fiber tractography to vision science. *Journal of Vision*, **17**(2):4, 1–30.

Takemura, H., Caiafa, C.F., Wandell, B.A. & Pestilli, F. (2016) Ensemble Tractography. *PLoS Computational Biology*, **12**(2), e1004692.

Takemura, H., Rokem, A., Winawer, J., Yeatman, J. D., Wandell, B. A. & Pestilli, F. (2016) A major human white-matter pathway between dorsal and ventral visual cortex. *Cerebral Cortex*, **26**(5)**,** 2205–2214.

Ogawa, S., **Takemura, H.**, Horiguchi, H., Terao, M., Haji, T., Pestilli, F., Yeatman, J.D., Tsuneoka, H., Wandell, B.A. & Masuda, Y. (2014) White matter consequences of retinal receptor and ganglion cell damage. *Investigative Ophthalmology & Visual Science,* **55**(10), 6976–6986.

Takemura, H., Ashida, H., Amano, K., Kitaoka, A. & Murakami, I. (2012) Neural correlates of induced motion perception in the human brain. *The Journal of Neuroscience*, **32**(41), 14344–14354.

Takemura, H., Tajima, S. & Murakami, I. (2011) Whether dots moving in two directions appear coherent or transparent depends on directional biases induced by surrounding motion. *Journal of Vision*, **11**(14):17, 1–17.

Takemura, H., Samejima, K., Vogels, R., Sakagami, M. & Okuda, J. (2011) Stimulus-dependent adjustment of reward prediction error in the midbrain. *PLoS ONE*, **6**(12), e28337.

Takemura, H. & Murakami, I. (2010) Visual motion detection sensitivity is enhanced by an orthogonal motion aftereffect. *Journal of Vision*, **10**(11):7, 1–12.

Tajima, S., **Takemura, H.**, Murakami, I. & Okada, M. (2010) Neuronal population decoding explains the change in signal detection sensitivity caused by task-irrelevant perceptual bias. *Neural Computation*, **22**(10), 2586–2614.

Takemura, H. & Murakami, I. (2010) Visual motion detection sensitivity is enhanced by orthogonal induced motion. *Journal of Vision*, **10**(2):9, 1–13.

Papers in progress

Ogawa, S.*, **Takemura, H.***, Horiguchi, H., Miyazaki, A., Matsumoto, K., Masuda, Y., Yoshikawa, K. & Nakano, T. (2021) Multi-contrast magnetic resonance imaging of visual white matter pathways in glaucoma patients. *medRxiv*.

Oishi, H., **Takemura, H.** & Amano, K. (2020) Macromolecular tissue volume mapping of lateral geniculate nucleus subdivisions in living human brains. *bioRxiv*, 2020.12.26.424373.

Symposia

Weiner, K.S., **Takemura, H.** & Palomero-Gallagher, N. (2020, Jun) Neuroanatomy and its impact on structural and functional imaging (in honor of Karl Zilles). Educational Course on the 2021 Organization for Human Brain Mapping, Virtual meeting (Speaker: Weiner, K.S., Amunts, K., Palomero-Gallagher, N., **Takemura, H.**, Mezer, A., Grill-Spector, K.).

Takemura, H. & Takahata, T. (2019, Jul) Multi-dimensional approach to understand anatomical basis of visual functions. Member-initiated symposium on the 2019 Asia-Pacific Conference on Vision, Osaka, Japan (Speaker: **Takemura, H.**, Lyon, D., Takahata, T., Bourne, J.).

Takemura, H. & Wagstyl, K. (2019, Jun) Multi-modal imaging approach for human neuroanatomy: integration across scales. Member-initiated symposium on the 2019 Organization for Human Brain Mapping Annual Meeting, Rome, Italy (Speaker: **Takemura, H.**, Yendiki, A., Wagstyl, K., Miller, K.).

Takemura, H. & Takiyama, K. (2018, Jul) Cutting edge approach for understanding brain dynamics. Member-initiated symposium on the 41st annual meeting of Japan Neuroscience Society, Kobe, Japan (Speaker: Toyoizumi, T., Komatsu, H., Kanai, R. Pouget, A.).

Takemura, H. & Pestilli, F. (2016, Jul) Advances in computational human neuroanatomy. Member-initiated symposium on the 39th annual meeting of Japan Neuroscience Society, Yokohama, Japan (Speaker: **Takemura, H.**, Pestilli, F., Thiebaut de Schotten, M., Mohammadi, S., Zilles, K.).

Amano, K. & **Takemura, H.** (2014, Jul) Multi-modal measurement of the visual cortex. Member-initiated symposium on Asia-Pacific Conference on Vision, Takamatsu, Japan (Speaker: **Takemura, H.**, Winawer, J., Amano, K., Kriegeskorte, N., Ziemba, C.).

Conference abstracts (International): Talks

Takemura. White matter tract analysis using neuroimaging and neuroanatomy datasets. OHBM 2021 (Educational Course talk).

Takemura. Understanding major white matter pathways in visual system: from neuroimaging to neuroanatomy. APCV 2019 (Symposium talk).

Uesaki, Furlan, Smith & **Takemura.** White matter connections of the human cingulate sulcus visual area (CSv). APCV 2019.

Takemura. Multi-modal imaging approach for visual white matter pathways. OHBM 2019 (Symposium talk).

Takemura, Ogawa, Mezer, Horiguchi, Miyazaki, Matsumoto, Shikishima, Nakano & Masuda. Disease in retinal ganglion cells affects diffusivity but not myelin volume along the optic radiation. APCV 2018.

Takemura, Pestilli, Weiner, Keliris, Landi, Sliwa, Ye, Barnett, Leopold, Freiwald, Logothetis & Wandell. Comparative neuroanatomy of occipital white matter tracts in human and macaque. VSS 2017.

Oishi, **Takemura,** Aoki, Fujita, & Amano. Human white matter structural properties correlate with individual difference in stereoacuity. VSS 2017.

Takemura, Pestilli, Weiner, Keliris, Landi, Sliwa, Ye, Barnett, Leopold, Freiwald, Logothetis & Wandell. Using diffusion MRI and tractography to identify macaque vertical occipital fasciculus. ISMRM 2017 (Magna Cum Laude Merit Award).

Takemura. Human visual white matter pathway studied by diffusion MRI. APCV 2014 (Symposium talk).

Takemura & Wandell. A major white-matter wiring between the ventral and dorsal stream. VSS 2014 (Symposium talk).

Pestilli, Yeatman, Rokem, Kay, **Takemura** & Wandell. LiFE: Linear Fascicle Evaluation- a new technology to study visual connectomes. VSS 2014.

Takemura, Rokem, Winawer, Yeatman, Wandell & Pestilli. Human white matter fascicles between ventral and dorsal visual field maps. SfN 2013.

Takemura, Tajima & Murakami. Motion integration and segregation modulated by surrounding motion. VSS 2011.

Conference abstracts (International): Poster presentations

Takemura, Kimura, Morita & Naito. Tissue properties along the corticospinal tract of the wheelchair racing athlete: a case study. OHBM 2021.

Miyata, Benson, Winawer & **Takemura**. Structural covariance and heritability of the optic tract and primary visual cortex in living human. OHBM 2021.

Oishi, **Takemura** & Amano. Quantitative structural mapping of the lateral geniculate nucleus subdivisions in living human brain.

Amemiya, Naito & **Takemura.** Heterogeneous age dependency in the human superior longitudinal fasciculus. OHBM 2021.

Takemura, Liu, Kuribayashi & Kida. Advantage of simultaneous multi-slice readout-segmented echo-planar imaging on diffusion MRI measurements of the human optic nerve. ISMRM 2021. (accepted)

Miyata, Benson, Winawer & **Takemura**. Investigating structural covariance of the human optic tract and primary visual cortex in a neuroimaging dataset. SfN Global Connectome 2021.

Takemura, Liu, Kuribayashi & Kida. Advantage of readout-segmented EPI in simultaneous multi-slice diffusion MRI measurements for identifying uncinate fasciculus. ISMRM 2020.

Takemura, Liu, Kuribayashi & Kida. Advantage of diffusion MRI with simultaneous multi-slice readout-segmented EPI in tractography. OHBM 2020.

Ogawa, **Takemura,** Horiguchi, Miyazaki, Matsumoto, Masuda, Yoshikawa & Nakano. Tissue properties of visual white matter pathways in glaucoma. OHBM 2020.

Amemiya, Naito & **Takemura.** Structural properties of human superior longitudinal fasciculus lateralization along the lifespan. OHBM 2020.

Takemura, Axer, Palomero-Gallagher, Gräßel, Jorgensen, Woods & Zilles. Visualization and mapping of white matter tracts in non-human primate visual system using polarized light imaging. SfN 2019.

Oishi, **Takemura** & Amano. Using macromolecular tissue volume mapping to parcellate magno and parvo subdivisions in the human lateral geniculate nucleus. SfN 2019.

Oishi, **Takemura** & Amano. Using macromolecular tissue volume mapping to identify subdivisions in human lateral geniculate nucleus. APCV 2019.

Takemura, Axer, Palomero-Gallagher, Gräßel , Jorgensen, Woods & Zilles. Ultra high-resolution mapping of occipital white matter tracts disentangles current controversies. OHBM 2019.

Takemura, Ogawa, Mezer, Horiguchi, Miyazaki, Matsumoto, Shikishima, Nakano & Masuda. Microstructural properties of optic tract and optic radiation after retinal ganglion cell damage. OHBM 2019.

Amemiya, Naito & **Takemura.** Lifespan change in asymmetry of superior longitudinal fasciculus. OHBM 2019.

Uesaki, **Takemura**, Furlan & Smith. White matter tracts adjacent to the cingulate sulcus visual area (CSv) assessed with diffusion MRI. OHBM 2019.

Takemura, Kaneko, Pestilli, Silva, Ye & Leopold. Vertical occipital fiber tract in the common marmoset. SfN 2018.

Bullock, **Takemura**, Caiafa, Kitchell, McPherson, Caron & Pestilli. Clarifying the anatomical organization and cortical projections of multiple major white matter tracts associating the human temporal and parietal lobes. SfN 2018.

Yuasa, **Takemura**, Motoyoshi & Amano. Two streams of feedback signals from parietal cortex to visual areas subserve visual awareness. SfN 2018.

Takemura, Palomero-Gallagher, Gräßel, Axer, Jorgensen, Woods & Zilles. Ultra high-resolution mapping of vertical occipital fasciculus in the vervet monkey brain. OHBM 2018.

Takemura, Berman, Yuasa, Mezer, & Amano. Predicting response latency of human V1 from microstructural properties along the optic radiation. OHBM 2018.

Yuasa, **Takemura**, Motoyoshi & Amano. Transient oscillatory feedback from ipsilateral IPS in response to a visual target. SfN 2017.

Minami, Oishi, **Takemura** & Amano. Functional roles of alpha oscillations underlying the communication between dorsal and ventral visual areas. VSS 2017.

Cousineau, Descoteaux & **Takemura.** Effect of Different Seeding Strategies on Tractometry Reproducibility. ISMRM 2017.

Takemura, Uesaki & Ashida. Human white-matter pathway communicating parietal and posterior-insular cortex. SfN 2016.

Oishi, **Takemura**, Aoki, Fujita & Amano. Diffusion properties of human visual white matter correlate with stereoacuity. SfN 2016.

Bullock, **Takemura**, Caiafa & Pestilli. The posterior associative white matter network between the human temporal and parietal brain lobes. SfN 2016.

Bullock, Moehlen, McPherson, Caiafa, **Takemura** & Pestilli. Evidence for a direct white matter tract between human parietal and inferotemporal cortex. APS 2016.

Takemura, Pestilli, Weiner, Keliris, Landi, Sliwa, Ye, Barnett, Leopold, Freiwald, Logothetis & Wandell. Occipital vertical fiber system in human and macaque. SfN 2015.

Uesaki, **Takemura** & Ashida. White-matter pathway connecting sensory cortical regions involved in optic-flow processing. ECVP 2015.

Takemura, Wandell & Pestilli. (2015, Jun) Ensemble tractography: reducing the parameter dependency of tracking algorithms. OHBM 2015.

Ogawa, Wandell, **Takemura**, Pestilli, Yeatman, Rokem, Horiguchi, Terao, Haji & Masuda. Trans-synaptic changes in central white matter pathways in retinitis pigmentosa. SfN 2014.

Ogawa, **Takemura**, Horiguchi, Terao, Haji, Pestilli, Yeatman, Shikishima, Tsuneoka, Wandell & Masuda. Disease in the photoreceptors (JMD) or retinal ganglion cells (LHON) affects optic tract and radiation tissue properties. ARVO 2014.

Ogawa, Masuda, Horiguchi, **Takemura**, Terao, Haji, Shikishima, Tsuneoka & Wandell. Loss of retinal ganglion cells, but not photoreceptors, transforms tissue properties of long-range occipital-callosal fibers. SfN 2013.

Takemura, Pestilli, Rokem, Winawer, Yeatman & Wandell. The visual dorsal and ventral streams communicate through the vertical occipital fasciculus. OHBM 2013.

Takemura, Ashida, Amano, Kitaoka & Murakami. Neural correlates of induced motion revealed by fMRI. VSS 2012.

Takemura, Ashida, Amano, Kitaoka & Murakami. Neural correlates of induced motion perception in the human visual cortex. SfN 2011.

Sugiura, **Takemura**, Yamamoto & Tsuchiya. A direct interview with a patient who recovered from the persistent vegetative state. ASSC 2011.

Takemura, Tajima & Murakami. Modulation of motion integration and segregation by surrounding motion: psychophysics and model. CoSyNe 2011.

Takemura & Murakami. Effects of surrounding motion on motion segregation. APCV 2010 (Best Student Poster Award).

Takemura & Murakami. Directional judgment between leftward and rightward motions modulated by angular deviation from the horizontal axis. VSS 2010.

Takemura & Murakami. Enhancement of motion detection sensitivity by orthogonal illusory motion. SfN 2009.

Tajima, **Takemura**, Murakami & Okada. Motion detection sensitivity modulated by a task-irrelevant illusory motion in an orthogonal direction: a population decoding model. SfN 2009.

Takemura & Murakami. Induced motion influences the detection of motion with aperture problem. SfN 2008.

Takemura & Murakami. Motion detection sensitivity enhanced by induced motion. VSS 2008.

Professional Associations

Vision Sciences Society (VSS), Society for Neuroscience (SfN), Organization for Human Brain Mapping (OHBM), International Society for Magnetic Resonance in Medicine (ISMRM) ,

Vision Society of Japan (VSJ), Japan Neuroscience Society (JNSS), ISMRM Japanese Chapter,

Japan Human Brain Mapping Society (JHBM)

Invited talks

2020	Tokyo Clinical Brain Imaging Analysis Research Meeting (virtual meeting), Japan
2020	Japanese Human Brain Imaging meeting (virtual meeting), Japan
2020	NIPS, Japan
2020	Tamagawa University, Japan
2019	ISMRM JPC, QST, Chiba, Japan
2019	Hebrew University of Jerusalem, Israel
2019	STYP meeting, Waseda University, Japan
2019	Nangyang Technological University, Singapore
2019	The Jikei University School of Medicine, Japan
2018	Omron Keihanna Technology Innovation Center, Japan
2018	4th CiNet Conference, CiNet, Japan
2017	International Symposium on Nanomedicine, Tohoku University, Japan
2017	International workshop on Vision, Action and Brain, Kyoto University, Japan
2017	Human Brain Imaging meeting, Tamagawa University, Japan
2017	Forschungszentrum Jülich, Germany
2017	ATR, Japan
2016	NIPS, Japan
2016	Duke-NUS Medical School, Singapore
2016	Nanyang Technological University, Singapore
2016	Kochi University of Technology, Japan
2015	NAIST, Japan
2015	RIKEN CLST, Japan
2015	NIPS symposium, Japan
2015	Indiana University Bloomington, USA
2015	Vision Society of Japan/Tutorial Talk on diffusion MRI
2014	Kyoto University, Japan
2014	UCSF, USA
2014	UC Berkeley, USA
2014	ATR, Japan
2014	RIKEN BSI, Japan
2014	CiNet, Japan
2013	NIH, USA

2013	Univ. Pennsylvania, USA
2013	New York University, USA
2013	Caltech, USA
2013	RIKEN BSI, Japan
2013	Tamagawa University, Japan
2013	CiNet, Japan
2013	NIPS, Japan
2012	Kyoto University, Japan
2012	University of Nevada, Reno, USA
2012	Kyushu University, Japan
2012	ATR, Japan
2011	Chiba University, Japan
2010	UTCP, Japan

Ad hoc Reviewer (journal)

Aperture

Attention, Perception & Psychophysics

Brain Structure and Function

Cerebral Cortex

Cognitive Processing

Communications Biology

Cortex

Frontiers in Neuroscience

Frontiers in Neuroanatomy

Human Brain Mapping

IEICE Transactions on Information and Systems

Journal of Neurophysiology

Journal of Vision

Journal of Visualized Experiments

Nature Communications

NeuroImage

Neurobiology of Language

PLoS Biology

PLoS ONE

PNAS

Scientific Reports

Vision Research

Ad hoc Reviewer (grant)

Netherland Organization for Scientific Research

Ad hoc Reviewer (Ph.D. dissertation)

Hebrew University of Jerusalem

Outreach

2017 Public lecture at Yamaguchi Gakugei University (organized by Research Institute for Time Studies, Yamaguchi University, Japan)

2010 Invited talk at science café, organized by The University of Tokyo Center for Philosophy (UTCP), Tokyo, Japan

Other professional activities

2020-present	Handling Editor, *Aperture Neuro*
2018-present	Section Editor, *Brain Structure and Function*
2020	Editor of *Brain Structure and Function* Special issue "Structural connectivity of the cerebral cortex" (co-edited with Michel Thiebaut de Schotten)
2020-present	Program Committee, Organization for Human Brain Mapping
2020	Executive committee of ISMRM Japanese Chapter Annual Meeting
2017-present	Organizing committee of Human Brain Imaging meeting, Japan
2019-	Organizer of CiNet MRI Study Group
2016-2019	Organizer of CiNet Diffusion Reading Club
2015-2016	Organizer of CiNet Vision Seminar Series, CiNet
2014-2015	Organizer of Vision Lunch Seminar Series, Stanford University
2019	Abstract Review Committee, Asia-Pacific Conference on Vision
2016-present	Abstract Review Committee, International Society for Magnetic Resonance in Medicine
2013-present	Abstract Review Committee, Organization for Human Brain Mapping
2008-2011	Vice President, Society for Young Researchers on Neuroscience, Japan.

References for Hiromasa Takemura

Brian A. Wandell, Ph.D. Professor, Stanford University

Department of Psychology, Stanford University wandell [at]

<add stanford.edu following [at]>

Ikuya Murakami, Ph.D. Professor, The University of Tokyo

Department of Psychology, The University of Tokyo ikuya [at]

<add l.u-tokyo.ac.jp following [at]>

Franco Pestilli, Ph.D. Associate Professor, The University of Texas, Austin

Department of Psychology, The University of Texas, Austin pestilli [at]