Gouki Okazawa, Ph.D.

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Education and Professional Appointments

2021 –	Laboratory Head, *Center for Excellence in Brain Science and Intelligence Technology, Institute of Neuroscience, Chinese Academy of Sciences*
2015 – 2021	Postdoctoral Fellow, *New York University* Advisor: Roozbeh Kiani
2013 – 2015	Postdoctoral Fellow, *National Institute for Physiological Sciences, Japan* Advisor: Hidehiko Komatsu
2008 – 2013	Ph.D., Neuroscience, *The Graduate University for Advanced Studies, Japan* Advisor: Hidehiko Komatsu March 22, 2013, Ph.D. awarded
2004 – 2008	B.A., *Kyoto University, Japan* Advisor: Shintaro Funahashi

Grants and Fellowships

2017 – 2020	The Charles H. Revson Senior Fellowship in Biomedical Science
2015 – 2017	Postdoctoral Fellowship for Research Abroad, Japan Society for the Promotion of Science
2011 – 2013	Research Fellowship for Young Scientists, Japan Society for the Promotion of Science

Bibliography

Peer reviewed papers

1. **Okazawa G**, Sha L, Kiani R. (*2021*) Linear integration of sensory evidence over space and time underlies face categorization. ***Journal of Neuroscience***, 41:7876-7893

2. **Okazawa G**, Hatch CE, Mancoo A, Machens CK, Kiani R. (*2021*) Representational geometry of perceptual decisions in the monkey parietal cortex. ***Cell***, 184:3748-3761

3. **Okazawa G,** Sha L, Purcell BA, Kiani R. (2018) Psychophysical reverse correlation reflects both sensory and decision-making processes. ***Nature Communications***, 9:3479

4. **Okazawa G,** Tajima S, Komatsu H. (2016) Gradual development of visual texture-selective properties

between macaque areas V2 and V4. *Cerebral Cortex,* 27(10):4867-4880

5. **Okazawa G**, Tajima S, Komatsu H. (2015) Image statistics underlying natural texture selectivity of neurons in macaque V4. *Proceedings of National Academy of Sciences, USA,* 112(4):E351-60.
   a. Featured by Ziemba CM, Freeman J. (2015) **PNAS** 112(4):942-943

6. Namima T, Yasuda M, Banno T, **Okazawa G**, Komatsu H. (2014) Effects of luminance contrast on the color selectivity of neurons in the macaque area v4 and inferior temporal cortex. *Journal of Neuroscience,* 34(45): 14934-47.

7. Goda N, Tachibana A, **Okazawa G**, Komatsu H. (2014) Representation of the material properties of objects in the visual cortex of nonhuman primates. *Journal of Neuroscience,* 34(7), 2660-73.

8. Koida K, Yokoi I, **Okazawa G**, Mikami A, Widayati KA, Miyachi S, Komatsu H. (2013) Color vision test for dichromatic and trichromatic macaque monkeys. *Journal of Vision,* 13(3), 1:1-15.

9. **Okazawa G**, Funahashi S. (2013) Short-term memory of the amplitude of body rotation in orienting behavior of African clawed frog (*Xenopus laevis*). *ISRN Zoology,* Article ID: 734040.

10. **Okazawa G**, Komatsu H. (2013) Image statistics for golden appearance of a painting by a Japanese edo-era artist Jakuchu Ito. In: *Lecture Notes in Computer Science* 7786: Computational Color Imaging (Tominaga R et al., eds). pp 68-79.

11. **Okazawa G**, Goda N, Komatsu H. (2012) Selective responses to specular surfaces in the macaque visual cortex revealed by fMRI. *NeuroImage,* 63, 1321-33.

12. **Okazawa G**, Koida K, Komatsu H. (2011) Categorical properties of the color term "GOLD". *Journal of Vision* 11(8), 1-19.

Invited reviews

13. Waskom ML, **Okazawa G**, Kiani R. (2019) Designing and Interpreting Psychophysical Investigations of Cognition. *Neuron*, 104(1):100-112

14. Komatsu H, Nishio A, **Okazawa G**, Goda N. (2013) 'Yellow' or 'Gold'?: Neural Processing of Gloss Information. In: *Lecture Notes in Computer Science* 7786: Computational Color Imaging (Tominaga R et al., eds). pp 1-12.

Honors and Awards

2021	Selected as a speaker in a talk session at Cosyne 2021 (30 among 645 submissions)
2020	The 29th Most Liked Title of the Talk (29/1409), The 43rd Annual Meeting of the Japan Neuroscience Society
2016	Cold Spring Harbor Laboratory Summer Course "Computational Neuroscience: Vision" Attendee
2010	Best presentation award, Comprehensive Brain Science Network, Japan
2009	Best presentation award, The Graduate University for Advanced Studies

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Invited talks

2021/9	Barccsyn Webinar (online), Barcelona
2021/9	Motor Control Meeting (online), The Japanese Society for Motor Control
2020/8	Center for Information and Neural Networks (online), Osaka, Japan
2018/12	University of Washington, Seattle, WA
2018/12	Columbia University, New York, NY
2018/7	RIKEN Center for Brain Science, Wako, Japan
2018/3	Center for Information and Neural Networks, Osaka, Japan
2018/3	Tamagawa University, Tokyo, Japan
2018/3	RIKEN Center for Brain Science, Wako, Japan
2014/3	New York University, New York, NY
2013/11	Massachusetts Institute of Technology, Boston, MA

Teaching experience

2019-2021	Mentored a M.S. student (Yuki Minai)
2020/7	Mentor in an online neuroscience summer school (Neuromatch Academy)
2019	Mentored a Ph.D. student (Saeed Karimimehr)
2018	Mentored an undergraduate student (Seoyoung Lee)
2015	Mentored an undergraduate student (Davena Zhang)
2009-14	Teaching Assistant, Summer Training Course for undergraduate and graduate students, National Institute for Physiological Sciences, Japan
2010/12	Teaching Assistant, Vision science class for junior high school students, Aichi, Japan

Journal peer review

Journal of Neuroscience

Journal of Cognitive Neuroscience

eNeuro

Scientific Reports

Frontiers in Human Neuroscience

Color Research & Application

i-Perception

Cognitive Computation

Journal of Perceptual Imaging

Service and Outreach

2019	Wrote news for the public: Okazawa G (2019) "How can we infer neural mechanisms from correlations between sensory inputs and behaviors?" *In Neuroscience News*, vol.217, The Japan Neuroscience Society
2017/4	Introductory lecture of systems neuroscience at a public class, New York, NY
2016	Wrote news for the public: Okazawa G (2016) "Interview with JSPS fellow in the U.S." JSPS SF Newsletter vol. 39.
2014/10	Created and presented visual science demos for the public at an open house of National Institute for Physiological Sciences, Japan
2012/8	Translated an introductory review to Japanese: "Tactile texture perception" by Takashi Yoshioka, Seitai-no-Kagaku (2012) 63(4):263-275
2011/11	Created and presented visual science demos for the public at National Museum of Emerging Science and Innovation, Japan
2011/9	Created and presented visual science demos for the public at an open house of National Institute for Physiological Sciences, Japan

Leadership experience

2020 – 2021	Postdoc organizer, The Simons Collaboration on the Global Brain (SCGB), NY-area postdoc/student meeting
2014 – 2015	Committee member, Society for Young researchers on Neuroscience, Japan
2012	Committee member, Life Science Retreat, National Institute for Physiological Sciences, Japan

Last Update: Oct 8, 2021