

Curriculum Vitae

TOSHIHIKO HOSOYA

Personal Information

Gender: Male
Date of birth: April 9, 1968
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Present Affiliation

Team Leader
Laboratory for Local Neuronal Circuits
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Education

- 1998: Ph.D., the Department of Physics, the Graduate School of Science, the University of Tokyo, Japan.
- 1991–1993: M.S., the Department of Physics, the Graduate School of Science, the University of Tokyo, Japan.
- 1987–1991: B.S., the Department of Physics, the Faculty of Science, the University of Tokyo, Japan.

Academic Appointments

- 2018–Present: Team Leader, RIKEN Center for Brain Science, Japan.
- 2010–2018: Team Leader, RIKEN Brain Science Institute, Japan.
- 2003–2010: Senior Researcher/Unit Leader, RIKEN Brain Science Institute, Japan.
- 2001–2003: Long-Term Fellow, the Human Frontier Science Program (Markus Meister Laboratory, Harvard University, USA).
- 1998–2001: Research associate, the National Institute of Genetics, Japan.
- 1996–1999: Fellow, Precursory Research for Embryonic Science and Technology (PRESTO), the Japan Science and Technology Agency, Japan.
- 1995–1998: Research associate, the Molecular Genetics Research Laboratory, the Faculty of Science, the University of Tokyo, Japan.

Selected Publications

Maruoka H., Nakagawa N., Tsuruno S., Sakai S., Yoneda T. and Hosoya T. (2017) Lattice system of functionally distinct cell types in the neocortex. *Science* 358: 610-615.

Maruoka H., Kubota K., Kurokawa R., Tsuruno S. and Hosoya T. (2011) Periodic organization of a major subtype of pyramidal neurons in neocortical layer V. *J Neurosci* 31: 18522-18542.

Hosoya T., Baccus S.A. and Meister M. (2005) Dynamic predictive coding by the retina. *Nature* 436: 71-77.

Hosoya T., Takizawa K., Nitta K. and Hotta Y. (1995) glial cells missing: a binary switch between neuronal and glial determination in *Drosophila*. *Cell* 82: 1025-1036.

Honors and Awards

2010: Participant, Japanese-American Frontiers of Science Symposium, the Japan Society for the Promotion of Science.

2001: Long-Term Fellow, the Human Frontier Science Program.

1996: Fellow, Precursory Research for Embryonic Science and Technology (PRESTO), the Japan Science and Technology Agency, Japan.

Selected Services to Society

2015: Editor, *Neuroscience News*, the Japan Neuroscience Society.

2014: Planning group chair, Japanese-American Frontiers of Science Symposium, the Japan Society for the Promotion of Science.

2013: Organizer, International Symposium “Neuronal Circuits: Cutting edge approaches to the complexity”, Kyoto.

2013: Executive Committee Member, the 36th Annual Meeting of the Japan Neuroscience Society.

2012: Planning group member, Japanese-American Frontiers of Science Symposium, the Japan Society for the Promotion of Science.

2012: Organizer, International Symposium “Neuronal Circuits: at the intersection of theory and experiment”, Tokyo.

2010: Nominated researcher, Grant-in-Aid for Scientific Research from the MEXT, Innovative Areas “Mesoscopic Neurocircuitry (22115004)”.