

CURRICULUM VITAE

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Research Experience

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| 2006/04-05 | Postdoctoral research fellow, Department of Physics, The University of Tokyo, Tokyo, Japan |
| 2006/05-2010/05 | Research Fellow in Neurobiology, Department of Neurobiology, Harvard Medical School |
| 2010/06-2018/03 | Laboratory Head, Laboratory for Circuit Mechanisms of Sensory Perception, RIKEN Brain Science Institute |
| 2011/04-present | Visiting associate professor, Department of Life Sciences, Graduate School of Arts and Sciences, The University of Tokyo |
| 2018/04-present | Laboratory Head, Laboratory for Circuit Mechanisms of Sensory Perception, RIKEN Center for Brain Science |

Education

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| 2001 B.S. | Department of Physics, School of Science, The University of Tokyo, Tokyo, Japan |
| 2003 M.S. | Department of Physics, Graduate School of Science, The University of Tokyo, Tokyo, Japan |
| 2006 Ph.D. | Department of Physics, Graduate School of Science, The University of Tokyo, Tokyo, Japan |

Awards

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| 2003-2006 | Research Fellowship of the Japan Society for the Promotion of Science for Young Scientists (DC1) |
| 2006-2007 | Research fellow of the Uehara Memorial Foundation |
| 2008-2010 | National Research Service Award (NIH, F32DC009538) |
| 2009 | Keystone Symposia Education Fund Scholarship |
| 2017 | Ando Momofuku Award |

External Grants

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| 2011-2013 | Grant-in-Aid from the Ministry of Education (23680044) |
| 2013-2014 | Grant-in-Aid from the Ministry of Education (25115732) |
| 2015-2017 | Grant-in-Aid for Foreign JSPS fellow (15F15384) |

Teaching and Community service

2003-2004	Teaching assistant, The University of Tokyo, Biophysics
2009	Lecture on English presentation at the National Institute of Genetics
2010-present	Lecture on introductory brain science at the University of Tokyo
2011	Lecture on neural circuit at ASCONE
2011-present	Lecture on learning and memory at RIKEN BSI
2014	Lecture on brain science in the World Brain Week program
2014	Lecture on globalization in MEXT super global high school program
2015	Lecture at meeting for Society for young researchers in neuroscience
2015-present	Lecture on biology at the University of Chiba
2015	Lecture at RIKEN Brain Science Institute Summer School
2016	Lecture at Hibiya High School
2016	Lecture at International Brain Bee local competition
2016	Terumo Foundation Web Material on the neurobiology of smell
2016	Lecture at RIKEN corporate seminar
2017	Lecture at Tokyo University of Pharmacy and Life Sciences
2017	Lecture at Tsukuba High School

Publications

Takagi S, Cocanougher BT, Niki S, Miyamoto D, Kohsaka H, Kazama H, Fetter RD, Truman JW, Zlatic M, Cardona A, Nose A (2017). Divergent connectivity of homologous command-like neurons mediates segment-specific touch responses in *Drosophila*. **Neuron** 96, 1373-1387.

Shiozaki HM and Kazama H. (2017). Parallel encoding of recent visual experience and self-motion during navigation in *Drosophila*. **Nature Neuroscience** 20, 1395-1403.

Inada K, Tsuchimoto Y, Kazama H. (2017). Origins of cell-type-specific olfactory processing in the *Drosophila* mushroom body circuit. **Neuron** 95, 357-367.

Badel L, Ohta K, Tsuchimoto Y, Kazama H. (2016). Decoding of context-dependent olfactory behavior in *Drosophila*. **Neuron** 91, 155-167.

Kazama, H. (2015). Systems neuroscience in *Drosophila*: Conceptual and technical advantages. **Neuroscience** 296, 3-14.

Oizumi M, Satoh R, Kazama H, Okada M. (2012). Functional differences between global pre- and postsynaptic inhibition in the *Drosophila* olfactory circuit. **Frontiers in Computational Neuroscience** 6:14.

Kazama H, Yaksi E, Wilson RI. (2011). Cell death triggers olfactory circuit plasticity via glial signaling in *Drosophila*. **The Journal of Neuroscience** 31, 7619-7630.

Satoh R, Oizumi M, Kazama H, Okada M. (2010). Mechanisms of maximum information preservation in the *Drosophila* antennal lobe. **PLoS One** 5 (5), e10644.

Kazama H and Wilson RI. (2009). Origins of correlated activity in an olfactory circuit. **Nature Neuroscience** 12, 1136-1144.

Kazama H and Wilson RI. (2008). Homeostatic matching and nonlinear amplification at identified central synapses. **Neuron** 58, 401-413.

- Kazama H, Ichikawa A, Kohsaka H, Morimoto-Tanifuji T, Nose A. (2008). Innervation and activity dependent dynamics of postsynaptic oxidative metabolism. **Neuroscience** 152, 40-49.
- Kazama H, Nose A, Morimoto-Tanifuji T. (2007). Synaptic components necessary for retrograde signaling triggered by calcium/calmodulin-dependent protein kinase II during synaptogenesis. **Neuroscience** 145, 1007-1015.
- Nakayama H, Kazama H, Nose A, Morimoto-Tanifuji T. (2006). Activity-dependent regulation of synaptic size in *Drosophila* neuromuscular junctions. **The Journal of Neurobiology** 66, 929-939.
- Morimoto-Tanifuji T, Kazama H, Nose A. (2004). Developmental stage-dependent modulation of synapses by postsynaptic expression of activated calcium/calmodulin-dependent protein kinase II. **Neuroscience** 128, 797-806.
- Kazama H, Morimoto-Tanifuji T, Nose A. (2003). Postsynaptic activation of calcium/calmodulin-dependent protein kinase II promotes coordinated pre- and postsynaptic maturation of *Drosophila* neuromuscular junctions. **Neuroscience** 117, 615-625.

Invited Talks

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| 2018 | Annual meeting of the Japan neuroscience society, Kobe (organizer) (<i>forthcoming</i>) |
| 2018 | International symposium on olfaction, OIST, Okinawa, (organizer) (<i>forthcoming</i>) |
| 2018 | Massachusetts Institute of Technology Colloquium, Boston, MA (<i>forthcoming</i>) |
| 2018 | New York University, NY (<i>forthcoming</i>) |
| 2018 | Columbia Workshop, Columbia University, NY (<i>forthcoming</i>) |
| 2018 | The Japan Society of Applied Physics, Tokyo (<i>forthcoming</i>) |
| 2018 | Tokyo Medical and Dental University Symposium, Tokyo |
| 2017 | Hokkaido University, Sapporo |
| 2017 | Consortium of Biological Sciences, Kobe |
| 2017 | International Symposium on whole-brain/organ imaging, Saitama Univ, Saitama |
| 2017 | International Symposium on Taste and Olfactory Perception, Kyushu Univ, Fukuoka |
| 2017 | Research Meeting on Emotion, NIPS, Okazaki |
| 2017 | International Workshop on Neuroscience, Nagoya University, Nagoya |
| 2017 | Kao Corporation Research Institute, Tochigi |
| 2017 | Tokyo University of Pharmacy and Life Sciences, Hachioji |
| 2017 | NICT-NSF Workshop on Computational Neuroscience, CiNet, Osaka |
| 2016 | University of Washington, Seattle, WA |
| 2016 | Salk Institute, La Jolla, CA |
| 2016 | Interdisciplinary Theoretical Science Colloquium, RIKEN, Wako |
| 2016 | International symposium on olfaction and taste (ISOT), satellite, Tokyo |
| 2015 | Annual meeting of the Japan neuroscience society, Kobe (organizer) |
| 2015 | Chiba University, Chiba |
| 2015 | Meeting for Society for young researchers on neuroscience, Kanagawa |
| 2014 | National Institute of Neuroscience, Tokyo |
| 2013 | Tokyo Metropolitan Institute of Medical Science, Tokyo |
| 2013 | Mesoscopic neurocircuitry, Atami |
| 2013 | Mechanisms of Brain and Mind Workshop, Rusutsu |
| 2012 | Annual meeting of the Japan neuroscience society, Nagoya |
| 2012 | Comprehensive Brain Science Network Workshop on olfaction, Tokyo |
| 2011 | Osaka University, Osaka |
| 2011 | Toyama University, Toyama |

2011 Autumn School for Computational Neuroscience, Suwa
2011 Annual meeting of the Zoological Society of Japan, Asahikawa
2011 Comprehensive Brain Science Network workshop, Kobe
2011 Synapse meeting at National Institute for Physiological Sciences, Okazaki
2010 International Symposium on Taste and Olfactory Perception, Fukuoka
2010 The University of Tokyo, Tokyo
2010 Annual meeting of the Japan neuroscience society, Kobe
2010 University of Massachusetts Medical School, Worcester, MA
2009 Harvard University, Cambridge, MA
2009 National Institute of Genetics, Mishima
2009 RIKEN Brain Science Institute, Wako
2009 Tokyo University of Pharmacy and Life Sciences, Hachioji
2008 National Institute of Genetics, Mishima
2008 The University of Tokyo, Tokyo