

Curriculum Vitae

PERSONAL INFORMATION

Name: **Tomomi SHIMOGORI**

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Saitama, Japan
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Education: B.A. Hoshi Collage of Pharmacy, Tokyo, Japan 1993
Ph.D., Pharmaceutical Sciences, Graduate School,
Chiba University, Chiba, Japan 1998

ACADEMIC APPOINTMENTS

1998 to 2004 Dept. Neurobiology, Pharmacology and Physiology, University of Chicago, USA
Laboratory of Dr. Elizabeth A. Grove

2004 to 2010 RIKEN BSI Unit Leader of Shimogori Research Unit

2010 to 2018 RIKEN BSI Team Leader of Lab for Molecular Mechanisms of Thalamus
Development

2018 to present RIKEN CBS Team Leader of Lab for Molecular Mechanisms of Brain Development

PUBLICATIONS

1. He Y, **Shimogori T**, Kashiwagi K, Shirahata A, Igarashi K. (1995) Inhibition of cell growth by combination of alpha-difluoromethylornithine and an inhibitor of spermine synthase. *J Biochem.* 117:824-9.
2. Igarashi K, Koga K, He Y, **Shimogori T**, Ekimoto H, Kashiwagi K, Shirahata A. (1995) Inhibition of the growth of various human and mouse tumor cells by 1,15-bis(ethylamino)-4,8,12-triazapentadecane. *Cancer Res.* 55:2615-9.
3. **Shimogori T**, Suzuki T, Kashiwagi K, Kakinuma Y, Igarashi K. (1996) Enhancement of helicase activity and increase of eIF-4E phosphorylation in ornithine decarboxylase-overproducing cells. *Biochem Biophys Res Commun.* 222:748-52.
4. **Shimogori T**, Kashiwagi K, Igarashi K. (1996) Spermidine regulation of protein synthesis at the level of initiation complex formation of Met-tRNA_i, mRNA and ribosomes. *Biochem Biophys Res Commun.* 223:544-8.
5. Sakata K, **Fukuchi-Shimogori T**, Kashiwagi K, Igarashi K. (1997) Protein Identification of regulatory region of antizyme necessary for the negative regulation of polyamine transport. *Biochem Biophys Res Commun.* 238:415-9.
6. **Fukuchi-Shimogori T**, Ishii I, Kashiwagi K, Mashiba H, Ekimoto H, Igarashi K. (1997) Malignant transformation by overproduction of translation initiation factor eIF4G. *Cancer Res.* 57:5041-4.
7. Shibata M, Shinga J, Yasuhiko Y, Kai M, Miura K, **Shimogori T**, Kashiwagi K, Igarashi K, Shiokawa K. (1998) Overexpression of S-adenosylmethionine decarboxylase (SAMDC) in early *Xenopus* embryos induces cell dissociation and inhibits transition from the blastula to gastrula stage. *Int J Dev Biol.* 42:675-86.

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8. Meksuriyen D, **Fukuchi-Shimogori T**, Tomitori H, Kashiwagi K, Toida T, Imanari T, Kawai G, Igarashi K. (1998) Formation of a complex containing ATP, Mg²⁺, and spermine. Structural evidence and biological significance. *J Biol Chem.* 273:30939-44.
9. Antognoni F, Del Duca S, Kuraishi A, Kawabe E, **Fukuchi-Shimogori T**, Kashiwagi K, Igarashi K. (1999) Transcriptional inhibition of the operon for the spermidine uptake system by the substrate-binding protein PotD. *J Biol Chem.* 274:1942-8.
10. Iwata S, Sato Y, Asada M, Takagi M, Tsujimoto A, Inaba T, Yamada T, Sakamoto S, Yata J, **Shimogori T**, Igarashi K, Mizutani S. (1999) Anti-tumor activity of antizyme which targets the ornithine decarboxylase (ODC) required for cell growth and transformation. *Oncogene.* 18:165-72.
11. Hayashi S, Nishimura K, **Fukuchi-Shimogori T**, Kashiwagi K, Igarashi K. (2000) Increase in cap- and IRES-dependent protein synthesis by overproduction of translation initiation factor eIF4G. *Biochem Biophys Res Commun.* 277:117-23.
12. **Fukuchi-Shimogori T**, Grove EA. (2001) Neocortex patterning by the secreted signaling molecule FGF8. *Science.* 294:1071-4.
13. Nishimura K, Ohki Y, **Fukuchi-Shimogori T**, Sakata K, Saiga K, Beppu T, Shirahata A, Kashiwagi K, Igarashi K. (2002) Inhibition of cell growth through inactivation of eukaryotic translation initiation factor 5A (eIF5A) by deoxyspergualin. *Biochem J.* 363:761-8.
14. Grove EA and **Fukuchi-Shimogori T**. (2003) Development of the vertebrate forebrain. *Ann. Rev. Neurosci.* 26:355-80.
15. **Fukuchi-Shimogori T**, Grove EA. (2003) Emx2 Patterns the Neocortex by Regulating FGF Positional Signaling. *Nat Neurosci.* 8:825-31.
16. **Shimogori T**, VanSant J, Paik ES, and Grove EA. (2004) Members of the Wnt, Fz, and Frp gene families expressed in postnatal mouse cerebral cortex. *J Comp Neurol.* 473:496-510.
17. **Shimogori T**, Banuchi V., Ng HY., Strauss JB. and Grove EA. (2004) Embryonic signaling centers expressing BMP, Wnt and FGF proteins interact to pattern the cerebral cortex. *Development.* 13:5639-47.
18. **Shimogori T** and Grove EA. (2005) FGF8 Regulates Neocortical Guidance of Area-specific Thalamic Innervation. *J Neurosci.* 13:6550-60.
19. Sasaki T, Nishihara H, Hirakawa M, Fujimura K, Tanaka M, Kokubo N, Kimura-Yoshida C, Matsuo I, Sumiyama K, Saitou N, **Shimogori T**, Okada N. (2008) Possible involvement of SINEs in mammalian-specific brain formation. *Proc Natl Acad Sci U S A.* 105:4220-5.
20. **Shimogori T** and Ogawa M. (2008) Gene application with in utero electroporation in mouse embryonic brain. *Dev Growth Differ.* 50:499-506 (review).
21. Imayoshi I, **Shimogori T**, Ohtsuka T and Kageyama R. (2008) Hes genes and neurogenin regulate non-neural versus neural fate specification in the dorsal telencephalic midline. *Development.* 135:2531-41.
22. Kataoka A and **Shimogori T**. (2008) FGF8 controls regional identity in the developing thalamus. *Development.* 135:2873-81

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23. Kinameri E, Inoue T, Aruga J, Imayoshi I, Kageyama R, **Shimogori T*** and Moore AW*. (2008) Prdm proto-oncogene transcription factor family expression and interaction with the Notch-Hes pathway in mouse neurogenesis. *PLoS ONE*. 3:e3859. *corresponding authors
24. Suzuki-Hirano A and **Shimogori T**. (2009) The role of Fgf8 in telencephalic and diencephalic patterning. *Semin. Cell. Devbiol.* 20:719-725 (review).
25. Fabre P, **Shimogori T**, Charron F. (2010) Segregation of ipsilateral retinal ganglion cell axons at the optic chiasm requires the Shh receptor Boc. *J Neurosci.* 30:266-75.
26. Aggarwal M, Mori S, **Shimogori T**, Blackshaw S, Zhang J. (2010) Three dimensional rapid diffusion tensor microimaging for anatomical characterization and gene expression mapping the mouse brain. *Journal Magnetic Resonance in Medicine.* 64:249-261.
27. **Shimogori T***, Lee DA, Miranda-Angulo A, Yang Y, Jiang L, Yoshida AC, Kataoka A, Mashiko H, Avetisyan M, Qi L, Qian J, and Blackshaw S*. (2010) A genomic atlas of mouse hypothalamic development. *Nat Neurosci.* 13:767-75. *corresponding authors.
28. Okada N, Sasaki T, **Shimogori T**, Nishihara H. (2010) Emergence of mammals by emergency: exaptation. *Genes Cells.* 15:801-12.
29. Toyoda R, Assimakopoulos S, Wilcoxon J, Taylor A, Feldman P, Suzuki-Hirano A, **Shimogori T**, Grove EA. (2010) FGF8 acts as a classic diffusible morphogen to pattern the neocortex. *Development* 137:3439-48.
30. Blackshaw S, Scholpp S, Placzek M, Ingraham H, Simerly R, **Shimogori T**. (2010) Molecular pathways controlling development of thalamus and hypothalamus: from neural specification to circuit formation. *J Neurosci.* 30:14925-30. Review.
31. Suzuki-Hirano A, Ogawa M, Kataoka A, Yoshida AC, Itoh D, Ueno M, Blackshaw S, **Shimogori T**. (2011) Dynamic spatiotemporal gene expression in embryonic mouse thalamus. *J Comp Neurol.* 519: 528-43.
32. Yuge K, Kataoka A, Yoshida AC, Itoh D, Aggarwal M, Mori S, Blackshaw S, **Shimogori T**. (2011) Region-specific expression in early postnatal mouse thalamus. *J Comp Neurol.* 519:544-61.
33. Matsui A, Yoshida AC, Kubota M, Ogawa M and **Shimogori T**. (2011) Mouse *in utero* electroporation: Controlled spatio-temporal gene transefection. *J Vis Exp.* 54 pii:3024.
34. Hama H, Kurokawa H, Kawano H, Ando R, Shimogori T, Noda H, Fukami K, Sakaue-Sawano A, Miyawaki A. (2011) Scale: a chemical approach for fluorescence imaging and reconstruction of transparent mouse brain. *Nature Neurosci.* 14:1481-8.
35. Chiara F, Badaloni A, Croci L, Yeh ML, Cariboni A, Hoerder-Suabedissen A, Consalez GG, Eickholt B, **Shimogori T**, Parnavelas JG, Rakić S. (2012) Early B-cell factors 2 and 3 (EBF2/3) regulate early migration of Cajal-Retzius cells from the cortical hem. *Dev Biol.* 365:277-89.
36. Mashiko H, Yoshida AC, Kikuchi SS, Niimi K, Takahashi E, Aruga J, Okano H, **Shimogori T**. (2012) Comparative anatomy of marmoset and mouse cortex from genomic expression. *J Neurosci.* 32:5039-53.
37. Nakagawa Y, **Shimogori T**. (2012) Diversity of thalamic progenitor cells and postmitotic neurons. *Eur J Neurosci.* 35:1554-62. (review)
38. Nakanishi A, Kobayashi N, Suzuki-Hirano A, Nishihara H, Sasaki T, Hirakawa M, Sumiyama K, **Shimogori T**,

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- Okada N. (2012) A SINE-derived element constitutes a unique modular enhancer for mammalian diencephalic Fgf8. *PLoS One*. 7:e43785
39. Huilgol D, Udin S, **Shimogori T**, Saha B, Roy A, Aizawa S, Hevner RF, Meyer G, Ohshima T, Pleasure SJ, Zhao Y, Tole S. (2013) Dual origins of the mammalian accessory olfactory bulb revealed by an evolutionarily conserved migratory stream. *Nat Neurosci*. 16:157-65. doi: 10.1038/nn.3297.
40. Kumagai A, Ando R, Miyatake H, Greimel P, Kobayashi T, Hirabayashi Y, **Shimogori T**, Miyawaki A. (2013) A bilirubin-inducible fluorescent protein from eel muscle. *Cell* 153:1602-11. doi: 10.1016/j.cell.2013.05.038.
41. Matsui A, Tran M, Yoshida AC, Kikuchi SS, U M, Ogawa M, **Shimogori T**. (2013) BTBD3 controls dendrite orientation toward active axons in mammalian neocortex. *Science* 342:1114-8. doi:10.1126/science.1244505.
42. Forni PE, Bharti K, Flannery EM, **Shimogori T**, and Wray S. (2013) The Indirect Role of Fibroblast Growth Factor-8 in Defining Neurogenic Niches of the Olfactory/GnRH Systems. *J Neurosci*. 33:19620-19634.
43. Yamanaka T, Tosaki A, Kurosawa M, Matsumoto G, Koike M, Uchiyama Y, Maity SN, **Shimogori T**, Hattori N, Nukina N. (2014) NF-Y inactivation causes atypical neurodegeneration characterized by ubiquitin and p62 accumulation and endoplasmic reticulum disorganization. *Nat Commun*. 5:3354. doi: 10.1038/ncomms4354.
44. Golding B, Pouchelon G, Bellone C, Murthy S, Di Nardo AA, Govindan S, Ogawa M, **Shimogori T**, Lüscher C, Dayer A, Jabaudon D. (2014) Retinal input directs the recruitment of inhibitory interneurons into thalamic visual circuits. *Neuron* 81:1057-69. doi: 10.1016/j.neuron.2014.01.032.
45. Yamanaka T, Wong HK, Tosaki A, Bauer PO, Wada K, Kurosawa M, **Shimogori T**, Hattori N, Nukina N. (2014) Large-scale RNA interference screening in mammalian cells identifies novel regulators of mutant huntingtin aggregation. *PLoS One*. 9:e93891. doi:10.1371/journal.pone.0093891.
46. Caballero IM, Manuel MN, Molinek M, Quintana-Urzaínqui I, Mi D, **Shimogori T**, Price DJ. (2014) Cell-autonomous repression of shh by transcription factor pax6 regulates diencephalic patterning by controlling the central diencephalic organizer. *Cell Rep*. 8:1405-18. doi: 10.1016/j.celrep.2014.07.051.
47. Kurosawa M, Matsumoto G, Kino Y, Okuno M, Kurosawa-Yamada M, Washizu C, Taniguchi H, Nakaso K, Yanagawa T, Warabi E, **Shimogori T**, Sakurai T, Hattori N, Nukina N. (2015) Depletion of p62 reduces nuclear inclusions and paradoxically ameliorates disease phenotypes in Huntington's model mice. *Hum Mol Genet*. 24:1092-105. doi: 10.1093/hmg/ddu522.
48. Miyazaki H, Oyama F, Inoue R, Aosaki T, Abe T, Kiyonari H, Kino Y, Kurosawa M, Shimizu J, Ogiwara I, Yamakawa K, Koshimizu Y, Fujiyama F, Kaneko T, Shimizu H, Nagatomo K, Yamada K, **Shimogori T**, Hattori N, Miura M, Nukina N. (2015) Singular localization of sodium channel $\beta 4$ subunit in unmyelinated fibres and its role in the striatum. *Nat Commun*. 5:5525. doi: 10.1038/ncomms6525.
49. Liu J, Merkle FT, Gandhi AV, Gagnon JA, Woods IG, Chiu CN, **Shimogori T**, Schier AF, Prober DA. (2015) Evolutionarily conserved regulation of hypocretin neuron specification by Lhx9. *Development*

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142:1113-24. doi: 10.1242/dev.117424.

50. Kino Y, Washizu C, Kurosawa M, Yamada M, Miyazaki H, Akagi T, Hashikawa T, Doi H, Takumi T, Hicks GG, Hattori N, **Shimogori T**, Nukina N. (2015) FUS/TLS deficiency causes behavioral and pathological abnormalities distinct from amyotrophic lateral sclerosis. *Acta Neuropathol Commun.* 3:24. doi: 10.1186/s40478-015-0202-6.
51. Matsumoto G, **Shimogori T**, Hattori N, Nukina N. (2015) TBK1 controls autophagosomal engulfment of polyubiquitinated mitochondria through p62/SQSTM1 phosphorylation. *Hum Mol Genet.* 24:4429-42. doi: 10.1093/hmg/ddv179.
52. Oomoto I, Suzuki-Hirano A, Umeshima H, Han YW, Yanagisawa H, Carlton P, Harada Y, Kengaku M, Okamoto A, **Shimogori T**, Wang DO. (2015) ECHO-liveFISH: in vivo RNA labeling reveals dynamic regulation of nuclear RNA foci in living tissues. *Nucleic Acids Res.* pii: gkv614.
53. Kurosawa M, Matsumoto G, Sumikura H, Hatsuta H, Murayama S, Sakurai T, **Shimogori T**, Hattori N, Nukina N. (2015) Serine 403-phosphorylated p62/SQSTM1 immunoreactivity in inclusions of neurodegenerative diseases. *Neurosci Res.* pii: S0168-0102(15)00209-6. doi: 10.1016/j.neures.2015.08.002.
54. Prochazka J, Prochazkova M, Du W, Spoutil F, Tureckova J, Hoch R, **Shimogori T**, Sedlacek R, Rubenstein JL, Wittmann T, Klein OD. (2015) Migration of Founder Epithelial Cells Drives Proper Molar Tooth Positioning and Morphogenesis. *Dev Cell.* 35:713-24. doi: 10.1016/j.devcel.2015.11.025.
55. Yamanaka T, Tosaki A, Kurosawa M, **Shimogori T**, Hattori N, Nukina N. (2016) Genome-wide analyses in neuronal cells reveal that USF transcription factors regulate lysosomal gene expression. *FEBS J.* doi: 10.1111/febs.13650.
56. Minoura I, Takazaki H, Ayukawa R, Saruta C, Hachikubo Y, Uchimura S, Hida T, Kamiguchi H, **Shimogori T**, Muto E. (2016) Reversal of axonal growth defects in an extraocular fibrosis model by engineering the kinesin-microtubule interface. *Nat Commun.* 7:10058. doi: 10.1038/ncomms10058.
57. Yamanaka T, Tosaki A, Miyazaki H, Kurosawa M, Koike M, Uchiyama Y, Maity SN, Misawa H, Takahashi R, **Shimogori T**, Hattori N, Nukina N. (2016) Differential roles of NF-Y transcription factor in ER chaperone expression and neuronal maintenance in the CNS. *Sci Rep.* 6:34575. doi: 10.1038/srep34575.
58. Kino Y, Washizu C, Kurosawa M, Yamada M, Doi H, Takumi T, Adachi H, Katsuno M, Sobue G, Hicks GG, Hattori N, **Shimogori T**, Nukina N. (2016) FUS/TLS acts as an aggregation-dependent modifier of polyglutamine disease model mice. *Sci Rep.* 6:35236. doi: 10.1038/srep35236.
59. Okano H, Sasaki E, Yamamori T, Iriki A, Shimogori T, Yamaguchi Y, Kasai K, Miyawaki A. (2016) Brain/MINDS: A Japanese National Brain Project for Marmoset Neuroscience. *Neuron* 92:582-590. doi: 10.1016/j.neuron.2016.10.018.
60. Kawata M, Taniguchi Y, Mori D, Yano F, Ohba S, Chung UI, **Shimogori T**, Mills AA, Tanaka S, Saito T. (2017) Different regulation of limb development by p63 transcript variants. *PLoS One.* 12:e0174122. doi:10.1371/journal.pone.0174122.
61. Watson C, **Shimogori T**, Puelles L. (2017) Mouse Fgf8-Cre-LacZ lineage analysis defines the territory of the postnatal mammalian isthmus. *J Comp Neurol.* 2017 May 16. doi: 10.1002/cne.24242.

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62. Alchini R, Sato H, Matsumoto N, **Shimogori T**, Sugo N, Yamamoto N. (2017) Nucleocytoplasmic Shuttling of Histone Deacetylase 9 Controls Activity-Dependent Thalamocortical Axon Branching. *Sci Rep.* 20:6024. doi: 10.1038/s41598-017-06243-7.
63. **Shimogori T**, Abe A, Go Y, Hashikawa T, Kishi N, Kikuchi SS, Kita Y, Niimi K, Nishibe H, Okuno M, Saga K, Sakurai M, Sato M, Serizawa T, Suzuki S, Takahashi E, Tanaka M, Tatsumoto S, Toki M, U M, Wang Y, Windak KJ, Yamagishi H, Yamashita K, Yoda T, Yoshida AC, Yoshida C, Yoshimoto T, Okano H. in press. Digital gene atlas of neonate common marmoset brain. *Neurosci Res.* doi: 10.1016/j.neures.2017.10.009.
64. Peng J, Fabre PJ, Dolique T, Swikert SM, Kermasson L, **Shimogori T**, Charron F. (2018) Sonic Hedgehog Is a Remotely Produced Cue that Controls Axon Guidance Trans-axonally at a Midline Choice Point. *Neuron.* 97:326-340.e4. doi: 10.1016/j.neuron.2017.12.028.

Book Chapters

1. **Shimogori T** and Grove EA. (2006) Subcortical and Neocortical Guidance of Area-specific Thalamic innervation: Development and Plasticity in sensory thalamus and cortex, Eds: Erzurumlu, R., Guido, W., Molnar, Z., Springer, Heidelberg. P68
2. **Shimogori T**. (2006) Micro In Utero Electroporation for Efficient Gene Targeting in Mouse Embryos, In: Gene Transfer, Eds: Friedmann T. and Rossi J., Cold Spring Harbor, Laboratory Press, p427
3. **Shimogori T** and Ogawa M. (2008) Practical application of micro electroporation into developing mouse brain. Springer. P153-167.

INVITED PRESENTATIONS

1. Japanese Society of Developmental Biology, Sendai, Japan (2004)
2. Society of Evolution Studies, Kyoto, Japan (2007)
3. The Japanese Society of Child Neurology, Osaka, Japan (2007)
4. Institut de Recherches Cliniques de Montréal, Montréal, Québec, Canada (2008)
5. Johns Hopkins Medical Institute Research Seminar, Baltimore, USA (2008)
6. Biochemistry and molecular biology, Kobe, Japan (2008)
7. University Miguel Hernandez, Alicante, Spain (2009)
8. Invited speaker, Barrel XXII satellite meeting (2009. Oct)
9. Neuroscience at the University of Chicago, Chicago, USA (2009)
10. Institute of neuroscience (ION), Shinghai, China (2009. Nov)
11. Pekin University, Beijing, China (2009. Nov)
12. The 8th Binneal Chinese Neuroscience meeting, Guangzhou, China (2009. Nov)
13. Institut de Recherches Cliniques de Montréal, Montréal, Québec, Canada (2010. May)
14. Department of physiology, anatomy and genetics, Oxford (2010. June)
15. Department of biological science, Sheffield, UK (2010. June)

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16. Research department of cell and developmental biology, University of College London, UK (2010. June)
17. FAONS Congress-2010, Lucknow, India (2010, Nov)
18. SFN mini symposium (molecular pathways controlling development of thalamus and hypothalamus: from neural specification to circuit formation), DC, USA (2010 Nov)
19. Neurobiology Section, Biological Sciences Division, University of California, San Diego (2010 Nov)
20. Development and Plasticity of Thalamocortical Systems, Arolla, Switzerland (2011. Feb)
21. Johns Hopkins Medical Institute Research Seminar, Baltimore, USA (2011. Nov)
22. Neural development; Stem cell perspective, Japan (2012 Jan)
23. Research department of cell and developmental biology, University of College London, UK (2013 Jan)
24. Cortex club speaker, Oxford, UK (2013 Jan)
25. Salk institute for biological studies, USA (2013 Jan)
26. IBRO Lecture course, Hong Kong (2013 June)
27. ANS2013 (Australian Neuroscience meeting), Melbourne (2013 Jan)
28. Gordon Research Conference (Dendrites: molecules, structure and function), Les Diablerets, Switzerland (2013 May)
29. Geneva neuroscience center, University of Geneva, Switzerland (2013 May)
30. The Yale University School of Medicine, New Haven USA. (2013 Nov)
31. Japanese Conference for Laboratory Animal Science and Technology, Sapporo, Japan (2014 May)
32. Gordon Research Conference (Molecular and Cellular Neurobiology), The Hong Kong University of Science and Technology, Hong Kong (2014 July)
33. INCF 2014, Leiden, Netherland (2014 Aug)
34. Erasmus University Rotterdam, Rotterdam, Netherland (2014 Aug)
35. University of Washington, Seattle, USA (2015 Mar)
36. EMBO workshop, Cortical development in health and disease, Weismann Institute, Israel (2015 Apr)
37. Tohoku Forum for Creativity, Sendai, Japan (2015 Aug)
38. National Institute for Physiological Sciences, Aichi, Japan (2015 Sep)
39. National Center of Neurology and Psychiatry, Tokyo, Japan (2015 Oct)
40. Biochemistry and Molecular Biology meeting symposium, Kobe, Japan (2015 Dec)
41. Stanford Neurosciences Institute seminar series, Invited speaker, CA, USA (2016 Jan)
42. Monash University, Invited speaker, Melbourne, Australia (2016 Jan)
43. 1st IBRO/APRC Chandigarh Neuroscience Symposium, Plenary speaker, Chandigarh, India (2016 Feb)
44. Doshisya University, Kyoto, Japan (2016 Feb)
45. Keio University, Brain Club, Tokyo, Japan (2016 May)
46. Gordon Research Conference (Molecular and Cellular Neurobiology), The Hong Kong University of Science and Technology, Hong Kong (2016 June)
47. US-Japan synapses meeting, Baltimore, USA (2016 June)
48. OIST Developmental Neurobiology course 2016, Okinawa, Japan (2016 July)
49. Osaka symposium 2016 "Circuit construction in the mammalian brain", Osaka, Japan (2016 Aug)
50. 28th Takatho symposium, Nagano, Japan (2016 Aug)
51. Skirball Institute of Biomolecular medicine, NYU, School of Medicine, NY, USA (2016 Sep)
52. Cold Spring Harbor, "Mammalian Brain Cell Diversity and Census", NY, USA (2016 Sep)
53. Rockefeller University ""Coordinating Global Brain Projects", NY, USA (2016 Sep)

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54. SfN, mini symposium (co-organizer), "Human brain development and maturation: animal brain mapping, human brain imaging, and computational simulation", San Diego, USA (2016 Nov)
55. National Center for Biological Science, Bangalore, India (2016 Dec)
56. IBENS, Ecole Normale Supérieure, Paris, France (2017 Mar)
57. Montreal Neurological Institute, McGill University, Montreal, Québec, Canada (2017 May)
58. Institut de Recherches Cliniques de Montréal, Montréal, Québec, Canada (2017 May)
59. Depts of Cell Biology and Neurobiology, Duke university, North Carolina, USA (2017 May)
60. Boston Children's Hospital, Harvard University, Boston, USA (2017 June)
61. The 48th NIPS symposium, Okazaki, Japan (2017 Oct)
62. McGill University, Department of Physiology, Montreal, Canada (2017 Nov)
63. Indiana University, Linda and Jack Gill Chair of Neuroscience Department of Biology, Indiana, USA (2017 Nov)