Keita Ashida

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Education

2016 Sep.–2019 Sep.	Ph.D. (Science), Keio University
	Thesis Title: The input-output relationship under environmental noise in cellular and sub-cellular system
	Supervisors: Kotaro Oka
2015 Apr.–2016 Sep.	M.Sc., Keio University
2011 Apr.–2015 Mar.	B.Sc., Keio University

Honours and Awards

2020 Mar.	Fujiwara Award (Fujiwara Scholarship Fund, Keio University)
2019 Mar. – 2019 Sep.	KLL Ph.D. Program Research Grant
2018 Apr. – 2019 Mar.	KLL Ph.D. Program Research Grant
2017 Apr. – 2018 Mar.	Graduate School Doctoral Student Aid Program, Keio University
2017 Apr. – 2018 Mar.	KLL Ph.D. Program Research Grant
2016 Nov.	Student Presentation Award at The 54th Annual Meeting of the Biophysical Society Japan
2016 Sep. – 2019 Aug.	Yoshida Doctor 21 (Yoshida Scholarship Foundation)
2016 Oct.	(Declined) Research Fellowships for Young Scientists DC1
2015 Apr. – 2016 Sep.	Japan Student Services Organization Student Loan Repayment Exemption

Publications

Journals

[1] **K Ashida**, H Shidara, K Hotta, K Oka. Optical dissection of synaptic plasticity for early adaptation in *Caenorhabditis elegans*, Neuroscience, 2020 Jan 21; 428: 112-121 DOI: 10.1016/j.neuroscience.2019.12.02

[2] H Mori, **K Ashida**, H Shidara, T Nikai, K Hotta, K Oka. Serotonin modulates behavior-related neural activity of RID interneuron in *Caenorhabditis elegans*, PLoS One, 2019 Dec 4;14(12): e0226044 DOI: 10.1371/journal.pone.0226044

[3] K Shimizu*, **K Ashida***, K Hotta, K Oka. Food deprivation changes chemotaxis behavior in *Caenorhabditis elegans*, Biophysics and Physicobiology, 2019, 16: 167-172 (*both authors contributed equally) DOI: 10.2142/biophysico.16.0_167

[4] **K Ashida**, K Hotta, K Oka. The input–output relationship of AIY interneurons in *Caenorhabditis elegans* in noisy environment, iScience, 2019 Jul 23;19:191-203 DOI: 10.1016/j.isci.2019.07.028

[5] **K Ashida**, T Kato, K Hotta, K Oka. Multiple tracking and machine learning reveal dopamine modulation for area-restricted foraging behaviors via velocity change in *Caenorhabditis elegans*, Neuroscience Letters, 2019 Jul 27;706:68-74 DOI: 10.1016/j.neulet.2019.05.011

[6] **K Ashida**, K Oka. Stochastic thermodynamic limit on *E. coli* adaptation by information geometric approach, Biochemical and Biophysical Research Communications, 2019 Jan 15;508(3):690-694 DOI: 10.1016/j.bbrc.2018.11.115

[7] T Yoshimizu, H Shidara, **K Ashida**, K Hotta, K Oka. Effect of interactions among individuals on the chemotaxis behaviours of *Caenorhabditis elegans*, Journal of Experimental Biology, 2018 Jun 12;221(Pt 11) DOI: 10.1242/jeb.182790