

Hiromu Monai

Contact Information

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Professional Experience

- 03/2018 – present **Assistant Professor** of Faculty of Core Research Natural Science Division (Faculty of Science, Department of Biology), Tokyo, Japan
- 04/2018 – present Researcher of Institute for Human Life Innovation, Ochanomizu University, Tokyo, Japan
- 04/2018 – present Visiting Researcher of RIKEN Center for Brain Science (CBS), Saitama, Japan
- 07/2015 – present Lecturer (part-time) of Tokyo Institute of Technology, Tokyo, Japan
- 04/2013 - 12/2018 Research Scientist of RIKEN Brain Science Institute (BSI), Saitama, Japan
- 04/2012 - 03/2013 Student trainee of RIKEN Brain Science Institute (BSI), Saitama, Japan
- 04/2010 - 03/2013 Visiting Researcher of Tokyo University of Pharmacy and Life Sciences, Tokyo, Japan
- 04/2010 - 03/2013 Young researcher fellowship, Japan Society for the Promotion of Science, Tokyo, Japan

Education

- 04/2010 - 03/2013 Ph.D. in Department of Computational Intelligence and Systems, Interdisciplinary Graduate School of Science and Engineering, Tokyo Institute of Technology, Kanagawa, Japan
- 04/2008 - 03/2010 M.S. in Department of Computational Intelligence and Systems, Interdisciplinary Graduate School of Science and Engineering, Tokyo Institute of Technology, Kanagawa, Japan

04/2004 - 03/2008

B.S. in School of Life Sciences, Tokyo University of
Pharmacy and Life Sciences

HONORS & AWARD

8 grants and 17 awards

Publications

- 10 original papers

• List of the 3 most significant publications:

1. H. Monai, X. Wang, K. Yahagi, N. Lou, H. Mestre, Q. Xu, Y. Abe, M. Yasui, Y. Iwai, M. Nedergaard, H. Hirase, Adrenergic receptor antagonism induces neuroprotection and facilitates recovery from acute ischemic stroke, *Proceedings of the National Academy of Sciences*, May 28, 2019, 116 (22) 11010-11019, DOI: 10.1073/pnas.1817347116
2. H. Monai, H. Hirase, Astrocytes as a target of transcranial direct current stimulation (tDCS) to treat depression, *Neuroscience Research*, Volume 126, January 2018, Pages 15-21, DOI: <https://doi.org/10.1016/j.neures.2017.08.012>
3. H. Monai, M. Ohkura, M. Tanaka, Y. Oe, A. Konno, H. Hirai, K. Mikoshiba, S. Itoharu, J. Nakai, Y. Iwai, and H. Hirase, Calcium imaging reveals glial involvement in transcranial direct current stimulation-induced plasticity in mouse brain., *Nat. Commun.* 7:11100 2016 Mar 22. PubMedID: 27000523, DOI: 10.1038/ncomms11100

- 5 peer-reviewed proceedings and 12 non-reviewed proceedings
- 18 books and book chapters
- 21 international conferences and 37 Japanese conferences
- 19 invited talks

Professional Activities

- Member of Society for Neuroscience, Japan Neuroscience Society, Japan Neurochemistry Society, Bioimaging society.