

UTokyo Amgen Scholars Program 2025

Host Laboratory and Research Topic

Name of Faculty Member (Title)	Haruhiko BITO (Professor)
Name of Graduate School/ Faculty/ Institute	Graduate School of Medicine
Research Topic & Description	1) Molecular and circuit mechanisms of long-term memory, 2) Imaging analysis of cortical information processing
Academic Requirements & Expectations	1) Field(s) of Study
	Basic exposure to molecular biology
	2) Knowledge/ Skill/ Proficiency
	To ensure optimal laboratory experience, we strongly recommend that prior to arrival, any candidate has acquired fundamental knowledge about basic molecular and cell biology and neuroscience/neurobiology through reading of textbooks such as Essential Cell Biology (Alberts et al., 5th ed.), and Principles of Neural Science (Kandel et al., 6th ed.) and/or Principles of Neurobiology (Liqun Luo, 2nd ed.).
	3) Academic Background and Research Experience
	Prior lab work in any field of biology will be an asset. Computational and bioengineering experience will also be very welcome. However, neither will be a requirement if the candidate can demonstrate positivity and enthusiasm to perform experimental work in neuroscience.
Lab Website & Relevant Information	http://neurosci.umin.jp/e/neurochemistry.html https://www.youtube.com/watch?v=BoyGNBqM9mg
Campus / Location	Hongo / Yayoi
Area of Research	Neuroscience Neurobiology Molecular, Cell and Developmental Biology