

## UTokyo Amgen Scholars Program 2022 Host Laboratories & Project Topics

<b>Name of Faculty Member (Title)</b>	BITO Haruhiko (Professor)
<b>Name of Graduate School / Faculty/ Institute</b>	Graduate School of Medicine
<b>Research Topic &amp; Research Description</b>	1) Molecular and circuit mechanisms of long-term memory, 2) Imaging analysis of cortical information processing
<b>Special academic conditions required for research</b>	<b>1) Prerequisite knowledge and/or specific skill and its proficiency</b>
	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.).
	<b>2) Required study field(s)</b>
	Basic exposure to molecular biology
<b>3) Academic background or research project experience to be considered at selection</b>	<b>3) Academic background or research project experience to be considered at selection</b>
	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.
<b>Lab Website</b>	<a href="http://neurosci.umin.jp/e/neurochemistry.html">http://neurosci.umin.jp/e/neurochemistry.html</a>
<b>Campus</b>	Hongo
<b>Academic Research Areas</b>	Molecular, Cell and Developmental Biology Neurobiology Neuroscience
<b>Lab Video</b>	<a href="https://www.youtube.com/watch?v=BoyGNBqM9mg">https://www.youtube.com/watch?v=BoyGNBqM9mg</a>