## UTokyo Amgen Scholars Program 2024
### Host Laboratory and Research Topic

<table>
<thead>
<tr>
<th>Name of Faculty Member (Title)</th>
<th>Haruhiko BITO (Professor)</th>
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<tbody>
<tr>
<td>Name of Graduate School/ Faculty/ Institute</td>
<td>Graduate School of Medicine</td>
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<tr>
<td>Research Topic &amp; Description</td>
<td>1) Molecular and circuit mechanisms of long-term memory, 2) Imaging analysis of cortical information processing</td>
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| 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
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<td><a href="https://www.youtube.com/watch?v=BoyGNBqM9mg">https://www.youtube.com/watch?v=BoyGNBqM9mg</a></td>
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<td>Campus / Location</td>
<td>Hongo / Yayoi</td>
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| Area of Research | Neuroscience
|                   | Neurobiology
|                   | Molecular, Cell and Developmental Biology |