UTokyo Amgen Scholars Program 2020
Host Laboratories & Project Topics

<table>
<thead>
<tr>
<th>Name of Faculty Member (Title)</th>
<th>Keitaro TANOI (Professor)</th>
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<tbody>
<tr>
<td>Name of Graduate School / Faculty/ Institute</td>
<td>Graduate School of Agricultural and Life Sciences</td>
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<tr>
<td>Research Topic &amp; Research Description</td>
<td>Ion transport assay of plant metal transporters using E.Coli.</td>
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<tr>
<td>Special Academic Conditions Required for Research</td>
<td>1) Prerequisite knowledge and/or specific skill and its proficiency</td>
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<td>DNA: extraction and purification; electrophoresis; Recombinant DNA technology (Gene Cloning); Polymerase Chain Reaction (PCR); UV/VIS Spectrophotometry. Bacteriology: Isolating and screening microorganisms; Bacterial culture identification.</td>
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<td>2) Required study field(s)</td>
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<td>Biotechnology, Bacteriology</td>
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<td>3) Academic background or research project experience to be considered at selection</td>
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<td>It is preferable if the person has a clear motivation what the person wants to do in my lab. It is better to have the experiences to perform PCR and E.Coli culture.</td>
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<td>Lab Website</td>
<td><a href="http://park.itc.u-tokyo.ac.jp/radio-plantphys/english.html">http://park.itc.u-tokyo.ac.jp/radio-plantphys/english.html</a></td>
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<tr>
<td>Campus</td>
<td>Yayoi Campus</td>
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<td>Academic Research Areas</td>
<td>Bioengineering</td>
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<tr>
<td></td>
<td>Biotechnology</td>
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<td>Chemical and Biomolecular Engineering</td>
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