

**UTRIP 2025 (June 25 - August 5)**  
**Hosting Laboratories Information & Project Topics**

**Biological Science members**

Hosting Faculty Member(Title)	Research Topic & Research Description
	Special Academic Conditions Required for Research
<a href="#">Tetsuya HIGASHIYAMA</a> <a href="#">(Professor)</a>	<p>Sexual reproduction research in combination with gene manipulation and live-cell imaging.  In this UTRIP program, student(s) will experience research on sexual reproduction of either flowering plants or true slime molds. To address biological questions, students will try gene manipulation techniques and live-cell imaging with laser microscopes. Through these experiments, student(s) will learn molecular genetics and developmental biology as well as research techniques in living cells.</p>
	<p><b>1) Prerequisite knowledge and/or specific skill(s) and its proficiency</b>  Basic knowledge of molecular biology and basic experimental technique of biology.</p> <p><b>2) Required study field(s)</b>  Molecular biology, Cell biology</p> <p><b>3) Academic background or research project experience to be considered at selection</b>  It is better for the student to have a basic knowledge of Molecular biology and Cell biology.</p> <p><b>4) Selection and evaluation criteria, if any</b>  None</p>