

# UTokyo Amgen Scholars Program 2025

## Host Laboratory and Research Topic

<b>Name of Faculty Member (Title)</b>	Daisuke Tsugama (Associate professor)	
<b>Name of Graduate School/ Faculty/ Institute</b>	Graduate School of Agricultural and Life Sciences	
<b>Research Topic &amp; Description</b>	Crop genome editing with new tools We try to establish genome editing systems for rice and other crops with new tools such as a customized gene gun, small Cas protein genes, and commercially available purified base editor	
<b>Academic Requirements &amp; Expectations</b>	<b>1) Field(s) of Study</b>	
	Plant molecular biology, genetics, and breeding science are the fields of the proposed study	
	<b>2) Knowledge/ Skill/ Proficiency</b>	
	Some knowledge or skill for PCR, (restriction) enzyme reaction, gene cloning, designing vector for genome editing and/or plant tissue culture is wxpected but is not a strong requirement	
	<b>3) Academic Background and Research Experience</b>	
	Academic background and research experiences with the above fields, knowledge and skills are appreciated	
<b>Lab Website &amp; Relevant Information</b>	<a href="https://park.itc.u-tokyo.ac.jp/lgpr/">https://park.itc.u-tokyo.ac.jp/lgpr/</a>  The above website contains no information about genome editing but we would like to promote introduction of novel and useful genome editing tools for plants	
<b>Campus / Location</b>	Other	Tanashi Campus <a href="https://www.isas.a.u-tokyo.ac.jp/en/access">https://www.isas.a.u-tokyo.ac.jp/en/access</a>
<b>Area of Research</b>	Biology  Bioengineering  Biotechnology	