

UTokyo Amgen Scholars Program 2025

Host Laboratory and Research Topic

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| Name of Faculty Member (Title) | Daisuke Tsugama (Associate professor) |
| Name of Graduate School/ Faculty/ Institute | Graduate School of Agricultural and Life Sciences |
| Research Topic & Description | 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 |
| Academic Requirements & Expectations | 1) Field(s) of Study |
| | Plant molecular biology, genetics, and breeding science are the fields of the proposed study |
| | 2) Knowledge/ Skill/ Proficiency |
| | Some knowledge or skill for PCR, (restriction) enzyme reaction, gene cloning, designing vector for genome editing and/or plant tissue culture is expected but is not a strong requirement |
| | 3) Academic Background and Research Experience |
| Academic background and research experiences with the above fields, knowledge and skills are appreciated | |
| Lab Website & Relevant Information | https://park.itc.u-tokyo.ac.jp/lgpr/ 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 |
| Campus / Location | Other Tanashi Campus https://www.isas.a.u-tokyo.ac.jp/en/access |
| Area of Research | Biology Bioengineering Biotechnology |