

UTokyo Amgen Scholars Program 2025

Host Laboratory and Research Topic

Name of Faculty Member (Title)	Naoyuki Kataoka (Associate Professor)
Name of Graduate School/ Faculty/ Institute	Graduate School of Agricultural and Life Sciences
Research Topic & Description	Analyses of aberrant splicing mechanism found in genetic diseases in human and animals
Academic Requirements & Expectations	1) Field(s) of Study
	It has been well accepted that many of genetic diseases are caused by aberrant mRNA splicing in human and animals. The research in this program analyzes how genetic mutations cause aberrant splicing by utilizing a mini-gene splicing reporter system in culture cells.
	2) Knowledge/ Skill/ Proficiency
	Knowledges about the processes of gene expression from eukaryotic genome are desirable. Skills for molecular and cellular biology, such as DNA cloning, PCR reaction, Reverse Transcription PCR, transfection of plasmids into culture cells, cell culture and immunoblotting are preferable.
	3) Academic Background and Research Experience
Academic background or research experience in any fields of Biochemistry, Molecular Biology and Cellular Biology will be considered.	
Lab Website & Relevant Information	http://www.vm.a.u-tokyo.ac.jp/seika/
Campus / Location	Hongo / Yayoi
Area of Research	Biochemistry Molecular, Cell and Developmental Biology Molecular Medicine