

UTokyo Amgen Scholars Program 2026

Host Laboratory and Research Topic

Name of Faculty Member (Title)	Miho Yanagisawa (Associate Professor)
Name of Graduate School/ Faculty/ Institute	Graduate School of Arts and Sciences
Research Topic & Description	1. Mimicking Cellular Functions Using Synthetic Cells 2. Understanding Intracellular Phase Transitions from the Perspective of Soft Matter and Polymer Physics
Academic Requirements & Expectations	1) Field(s) of Study
	Biophysics; Soft Matter Physics of Living and Synthetic Cells
	2) Knowledge/ Skill/ Proficiency
	A basic understanding of polymer physics, chemical physics, and thermodynamics is required.
	3) Academic Background and Research Experience
	Prior experience in biophysical or physicochemical experiments involving biomacromolecules or synthetic polymers is preferred. Experience with microscopy operation, image acquisition, and data analysis is also advantageous.
Website & Relevant Information	https://sites.google.com/g.ecc.u-tokyo.ac.jp/yanagisawa-lab/
Campus / Location	Komaba II T building, 403
Area of Research	Chemical and Biomolecular Engineering Statistics