

## UTokyo Amgen Scholars Program 2024

### Host Laboratory and Research Topic

<b>Name of Faculty Member (Title)</b>	Soo Hyeon KIM (Lecturer)
<b>Name of Graduate School/ Faculty/ Institute</b>	Institute of Industrial Science
<b>Research Topic &amp; Description</b>	Biomedical Microsystems for single molecule and/or cell analysis – develop microfluidic device for liquid biopsy by detecting cancer cells or DNAs from the blood samples with high sensitivity.
<b>Academic Requirements &amp; Expectations</b>	1) Field(s) of Study
	Physics, chemistry, biology basics. Hands-on experience in microfabrication preferable, but not mandatory.
	2) Knowledge/ Skill/ Proficiency
	Biology, chemistry, micro/nanotechnology, mechanical/electrical engineering, etc.
	3) Academic Background and Research Experience
The candidate should have strong interest in this interdisciplinary and innovative research area.	
<b>Lab Website &amp; Relevant Information</b>	<a href="http://www.shkimlab.iis.u-tokyo.ac.jp/">http://www.shkimlab.iis.u-tokyo.ac.jp/</a>
<b>Campus / Location</b>	Komaba II <a href="https://www.iis.u-tokyo.ac.jp/en/access/">https://www.iis.u-tokyo.ac.jp/en/access/</a>
<b>Area of Research</b>	Bioengineering  Biotechnology  Chemical and Biomolecular Engineering