UTokyo Amgen Scholars Program 2027

Host Laboratory and Research Topic

Name of Faculty Member	Haruhiko BITO, Professor
Name of Graduate School / Institute	Graduate School of Medicine
Research Topic & Description	1) Molecular and circuit mechanisms of long-term memory, 2) Imaging analysis of cortical information processing
Academic Requirements & Expectations	**1) Field(s) of Study** Basic exposure to molecular biology **2) Knowledge/ Skill/ Proficiency** To ensure optimal laboratory experience, we strongly recommend that prior to arrival, any candidate has acquired fundamental knowledge about basic molecular and cell biology and neuroscience/neurobiology through reading of textbooks such as Essential Cell Biology (Alberts et al., 5th ed.), and Principles of Neural Science (Kandel et al., 6th ed.) and/or Principles of Neurobiology (Liqun Luo, 2nd ed.). **3) Academic Background and Research Experience** Prior lab work in any field of biology will be an asset. Computational and bioengineering experience will also be very welcome. However, neither will be a requirement if the candidate can demonstrate positivity and enthusiam to perform experimental work in neuroscience.
Website & Relevant Information	http://neurosci.umin.jp/e/neurochemistry.html https://www.youtube.com/watch?v=BoyGNBqM9mg
Campus / Location	Hongo / Yayoi
Area of Research	Neuroscience Neurobiology Molecular, Cell and Developmental Biology