Physics members

Period of Stay June 26 ~ August 6, 2024

Name of Hosting Faculty Member	Research Topic & Research Description	Can be changed
(Title)	ecial academic conditions required for research	to online when it is difficult to conduct in person
Yasushi OKADA (Professor) Website	Development of Advanced Optical Microscopy Techniques and their Application in Cell Biology Research Our laboratory specializes in developing cutting-edge optical microscopy technologies, like super-resolution microscopy, and their applications in molecular cell biology. Interns will gain hands-on experience in technical development, delving into microscope optics, probes, or image processing, or directly in cellular biology research, such as live-cell imaging and single-molecule measurements in living cells or in vitro.	NO.
	 Prerequisite knowledge and/or specific skill and its proficiency Basic knowledge of microscope optics and/or cell biology Required major field(s) Biophysics, cell biology or basic optics Academic background or research project experience to be considered at selection Animal cell culture, microscopy, live cell imaging, image processing, machine learning, molecular cloning Selection and evaluation criteria, if any: Candidates will be evaluated based on their level of enthusiasm, specificity of interests, and how well their aspirations align with the direction and objectives of our laboratory. 	
Takuro IDEGUCHI (Associate Professor)	1) Prerequisite knowledge and/or specific skill and its proficiency Basic knowledge of optics 2) Required major field(s) Physics, Chemistry, Biology, Engineering, or Information science 3) Academic background or research project experience to be considered at	NO.
Website	selection None 4) Selection and evaluation criteria, if any: None	
Yasuhiro NAKAJIMA (Associate	Our group is conducting experimental studies of particle and astroparticle physics with neutrinos. Possible research topics for students include, but are not limited to; developing a new kind of neutrino detector, testing a new method to search for neutrinoless doublebeta decay, and simulation of a large water Cherenkov detector for improved neutrino detection.	NO.
Professor) Website	 Prerequisite knowledge and/or specific skill and its proficiency Basic knowledge of physics. Required major field(s) Physics Academic background or research project experience to be considered at selection Preferrable to have experiences on computer programming and physics lab. Selection and evaluation criteria, if any: Interests in experimental particle physics and/or particle astrophysics. 	