

2016 SUMS Grant Program for Foreign Visiting Researchers

---List of the Candidate Host Departments and their Research Themes

1	Department (Division)	Research Theme
1	Fundamental Biosciences (Biology)	Molecular mechanisms of immune cell trafficking
2	Anatomy (Morphological Neuroscience)	Analysis of functions of genes involved in brain development and tumorigenesis
3	Physiology (Cell Physiology)	<ul style="list-style-type: none"> • Electrophysiological analysis of cardiac automaticity • Electrophysiological and molecular analysis of cardiac arrhythmia
4	Biochemistry and Molecular Biology (Molecular Medical Biochemistry)	Molecular cell biological analysis in the field of cardiovascular medicine and cancer biology
5	Biochemistry and Molecular Biology (Stem Cell Biology and Regenerative Medicine)	<ul style="list-style-type: none"> • Study on regenerative medicine • Study on gene therapy
6	Pathology (Pathology and Disease Regulation)	Analysis of pathogenicity of influenza virus and development of vaccines and antiviral drugs using a non-human primate model
7	Social Medicine (Legal Medicine)	<ul style="list-style-type: none"> • Analysis of traffic injuries • Forensic pathology for sudden deaths
8	Psychiatry	Clinical research concerning sleep disorders
9	Neurosurgery	<ul style="list-style-type: none"> • MR imaging of central nervous system diseases • Experimentally-induced cerebral aneurysm model • Stroke registry construction
10	Otorhinolaryngology	Pathophysiology of eosinophilic chronic rhinosinusitis
11	Cancer Center	Translational research and the development of new Immunotherapy for cancer
12	Molecular Neuroscience Research Center	Studies on brain diseases (particularly Alzheimer's disease) and development of diagnostic and therapeutic agents
13	Molecular Neuroscience Research Center	Studying brain morphometric analyses using voxel-based, tensor-based technique. We are developing voxel-based cortical thickness (VBCT), diagnosis-supporting system using artificial intelligence. The tutors are medical doctors, so you can also study clinical medicine.
14	Medical Oncology	Molecular and cellular biology of cancer