|  |
| --- |
| **Research Theme: Cell Biology/Biochemistry** |
| **PhD Research Project Title: Why do organelles communicate with each other?** |
| **Scholarship category (Please indicate the type of scholarship for this project):**   1. **SBS Research Student Scholarship (for SBS faculty only)** 2. **Grant Scholarship (NTU Central RSS)** |
| **Principal Investigator/Supervisor: Sho Suzuki** |
| **Co-supervisor/ Collaborator(s) (if any): No** |
| **Project Description**  During evolution, organelles emerged to facilitate thousands of biochemical reactions in a spatially and temporally dependent manner. However, it is increasingly evident that these organelles actively communicate with each other at membrane contact sites (MCSs). Our recent study has revealed the critical role of MCSs in endosomal membrane dynamics. In this project, the PhD candidate will employ cell biological and biochemical approaches to investigate whether MCSs are also crucial not only for endosomes but also for the dynamics of other organelle membranes. |
| **Supervisor contact:**  **If you have questions regarding this project, please email the Principal Investigator:** |
| **SBS contact and how to apply:**  Associate Chair-Biological Sciences (Graduate Studies) : [AC-SBS-GS@ntu.edu.sg](mailto:AC-SBS-GS@ntu.edu.sg)  Please apply at the following:  **Application portal:** <https://venus.wis.ntu.edu.sg/GOAL/OnlineApplicationModule/frmOnlineApplication.ASPX> |