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| **Research Theme: Microbiome Medicine, Chinese Medicine** |
| **PhD Research Project Title:**  **The functions and mechanisms of TCM and food in the regulation of IBS via gut microbiota** |
| **Scholarship category (Please indicate the source of funding for this project):**  **SBS Research Student Scholarship (for SBS faculty only)** |
| **Principal Investigator/Supervisor: Zhong Lidan, Linda** |
| **Co-supervisor/ Collaborator(s) (if any):** |
| **Project Description**  **a) Background:**  Irritable bowel syndrome (IBS) is a common functional bowel disorder. The gut microbiota and its metabolites are proposed as possible etiological factors of IBS, especially affecting the dysregulation of brain-gut axis. Chinese Medicine has been shown to have a positive role on microbiota by restoring gut flora homeostasis, repairing damaged intestinal mucosal barriers et al. in a multi-targeted manner.  **b) Proposed work:**  Translation study on TCM and food therapy on IBS patients and evaluate the efficacy through different outcomes including objective biomarkers and subjective symptoms. The gut microbiota and its metabolites before and after the treatment will also be analyzed.  **c) Preferred skills: computation work on data analysis would be a big plus, but not indispensable; basic knowledge on Chinese Medicine and IBS would be preferred.** |
| **Supervisor contact:**  **If you have questions regarding this project, please email the Principal Investigator:**  Linda Zhong at linda.zhong@ntu.edu.sg |
| **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> |