



Research Theme: Cancer Biology
PhD Research Project Title: Modular Cancer Vaccines
Scholarship category (Please indicate the source of funding for this project): (a) SBS Research Student Scholarship (for SBS faculty only)
Principal Investigator/Supervisor: Kanaga Sabapathy
Co-supervisor/ Collaborator(s) (if any): NA
<p style="text-align: center;">Project Description</p> <p>a) Background: Cancer is a devastating disease and is on the rise. Therapy alone is insufficient to control the impending cancer tsunami. Alternative strategies such as prophylactic vaccinations, if possible, will help reduce the global cancer burden. The goal of this project is to develop and evaluate if a modular cancer vaccination strategy that is patient agnostic is possible.</p> <p>b) Proposed work: The work will begin with designing and testing specific cancer antigens that can elicit an immune response, and to then evaluate if they can prophylactically protect against cancers. You will be using mouse models. Please contact the supervisor for more details as the project involves unpublished confidential material.</p> <p>c) Preferred skills: Cell culture, biochemistry techniques, molecular cloning, mouse handling, antibody generation (though not all are indispensable). Knowledge in Immunology is desirable.</p>
<p style="text-align: center;">Supervisor contact:</p> <p style="text-align: center;">If you have questions regarding this project, please email the Principal Investigator:</p> <p style="text-align: center;">Prof Kanaga Sabapathy kanaga.sabapathy@ntu.edu.sg</p>
<p style="text-align: center;">SBS contact and how to apply:</p> <p style="text-align: center;">Associate Chair-Biological Sciences (Graduate Studies) : AC-SBS-GS@ntu.edu.sg Please apply at the following: Application portal: https://venus.wis.ntu.edu.sg/GOAL/OnlineApplicationModule/frmOnlineApplication.ASPX</p>