



<b>Research Theme:</b>
<b>Research Project Title:</b> <b>Role of N-WASP in Squamous Cell Carcinoma (SCC)</b>
<b>Principal Investigator/Supervisor: Thirumaran s/o Thanabalu</b>
<b>Co-supervisor/ Collaborator(s) (if any): Chen Wei Ning, Tan Nguan Soon Andrew</b>
<b>Project Description</b> <p>N-WASP regulates the actin cytoskeleton and we have found that the expression of N-WASP is down-regulated in skin cancer biopsies from National Skin Centre, Singapore. We have also found that N-WASP deficient Cancer cell lines do not differentiate efficiently in Organotypic Co-Cultures. However the molecular mechanism causing the down regulation of N-WASP expression or the role of N-WASP in keratinocyte differentiation is not known.</p> <p>Thus the student will determine the transcriptome of skin cancer cells and carry out pathway analysis to identify signaling pathways affected in SCC samples. The student will also address the role of N-WASP in keratinocyte differentiation using Organotypic Co-cultures</p>
<b>Supervisor contact:</b> If you have questions regarding this project, please email the Principal Investigator - <b><u>Thirumaran@ntu.edu.sg</u></b>
<b>For more information and application, please visit:</b> <b><u><a href="http://igs.ntu.edu.sg/Scholarships/Pages/SkinRSS.aspx">http://igs.ntu.edu.sg/Scholarships/Pages/SkinRSS.aspx</a></u></b>