

<b>Research Theme: Virology</b>
<b>Research Project Title: Development of a vaccine candidate for EMCV</b>
<b>Principal Investigator/Supervisor: A/Prof Richard Sugrue</b>
<b>Co-supervisor/ Collaborator(s) (if any): Dr BH Tan (DSO) and Dr Serena Oh (the Singapore Zoo)</b>
<b>Project Description</b>
<p><b>a) Background</b></p> <p>EMCV is a major cause of serious infection of primates, and in addition this agent can cause a high level of mortality amongst primates in both the natural environment and with the zoo. The presence of EMCV in primates was reported in the Singapore zoo, leading to the deaths of several orangutans. In this project will involve the expression and purification of virus-like particles from a local EMCV that was isolated from an orangutan that was isolated from the Singapore Zoo. These proteins will be evaluated as a potential vaccine candidate</p> <p>Highly divergent Encephalomyocarditis virus isolated from nonhuman primates in Singapore Dawn Su-Yin Yeo, Jing Er Lian, Charlene J Fernandez, Yueh-Nuo Lin, Jasper Chin-Wen Liaw, Moi-Lien Soh, Elizabeth Ai-Sim Lim, Kwai-Peng Chan, Mah-Lee Ng, Hwee-Cheng Tan, Serena Oh, Eng-Eong Ooi and Boon-Huan Tan. 2013. Virology Journal, 10:248</p>
<p><b>b) Proposed work</b></p> <p><b>Cell biology, biochemistry and basic virology methods will be employed.</b></p>
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<p><b>If you have questions regarding this project, please email the Principal Investigator:</b>  <a href="mailto:RJSugrue@ntu.edu.sg">RJSugrue@ntu.edu.sg</a></p>
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<p>Associate Chair-Biological Sciences (Graduate Studies): <a href="mailto:AC-SBS-GS@ntu.edu.sg">AC-SBS-GS@ntu.edu.sg</a>  Please apply at the following: <a href="http://admissions.ntu.edu.sg/graduate/R-Programs/R-WhenYouApply/Pages/R-ApplyOnline.aspx">http://admissions.ntu.edu.sg/graduate/R-Programs/R-WhenYouApply/Pages/R-ApplyOnline.aspx</a></p>