



Department of Medical Laboratory Science and Biotechnology,  
 College of Medicine, National Cheng Kung University  
 Tainan, Taiwan, 701 R. O. C.  
 TEL:886-6-2353535-5781 FAX:886-6-2363956

## Professor Trai-Ming Yeh

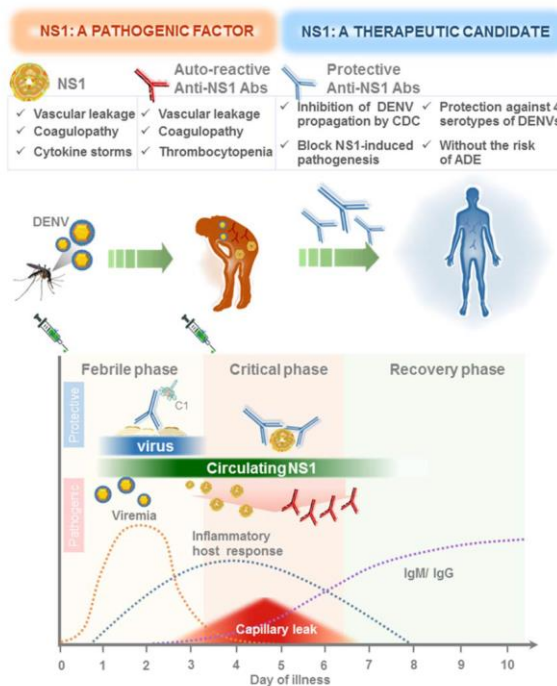
E-mail: today@mail.ncku.edu.tw



### Education

Ph. D. Department of Microbiology and Immunology, University of Texas Health Science at San Antonio  
 M. S. Department of Microbiology, National Taiwan University  
 B. S. Department of Medical Technology, National Taiwan University

### Research



Dengue virus (DENV) infection can cause mild dengue fever (DF) or severe dengue hemorrhage fever (DHF) and dengue shock syndrome (DSS). Most patients with DF could recover by itself; however, still some cases or re-infected patients might carry severe symptoms. There is no effective therapy nor vaccine available currently. In our lab, we are interested in the study of the pathogenesis of DENV infection. By using phage-displayed antibody library and hybridoma technology, we have found several DENV nonstructural protein 1 (NS1) monoclonal antibodies

(mAb) which can protect against DENV-induced disease. You are welcome to join us to study the pathogenic roles of NS1 in DHF/DSS as well as develop therapeutic mAb and vaccine against it.