

REPORT

Report on participation of the ICMR International fellow (ICMR-IF) in Training/Research abroad

1. Name and designation of ICMR-IF : AgieshkumarBalakrishnaPillai,
2. Address : Dr. AgieshkumarBalakrishnaPillai,  
Senior Scientist & Deputy Director,  
Central Inter Disciplinary Research  
Facility  
Sri BalajiVidyapeeth (Deemed to be  
University)  
Puducherry-607402
3. Frontline area of research in which  
Training/research was carried out : Dengue pathogenesis (in vitro)
4. Name & address of professor and host  
Institute : Dr. Justin Chu Jang Hann  
Associate Professor  
Department of Microbiology and  
Immunology  
Assistant Dean (Research), Yong Loo Lin  
School of Medicine, National University  
of Singapore (NUS), Singapore 117597
5. Duration of fellowship with exact date : Three Months (**From : 04-02-2020 - To:  
04-05-2020**) initially approved.  
Extended till 05.06.2020 (due to lack of  
international flights with COVID19  
lockdown the fellowship continued till  
the validity of training pass issued by  
Singapore MOM)
6. Highlights of work conducted :
- (i) Technique/expertise acquired : Acquired skills on cell culture of  
mammalian (BHK cells), mosquito cells (C6/36), Dengue viral culture (serotype  
2) in insect cells, harvesting methods of virus and infecting mammalian cells
- (ii) Research results, including any  
Papers prepared/submitted for :  
Publication

*in vitro* screening of thiazole derivatives as anti flavivirus agents is initiated; A Joint Review work on "Platelet pathology in dengue disease virulence" is under preparation.

- (iii) Proposed utilization of the Experience in India : Will start dengue viral culture and screen potential compounds for anti-dengue viral property. Would study the role of platelets in vascular integrity.

ICMR Sanction No: INDO/FRC/452/S-75/2019-20-IHD



Signature of ICMR-IF

24.06.2020

AGIESHKUMAR BALAKRISHNA PILLAI