

Dr Babu Ramanathan, PhD

Position: Lecturer

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Education:

PhD (Science), Swinburne University of Technology, Australia

MSc (Biotechnology), Tamil Nadu Agricultural University, India

BSc (Agriculture) Tamil Nadu Agricultural University, India

Teaching:

Medical Biotechnology

Biostatistical Data Analysis

Brief Employment History:

Research Centre for Biomedical Sciences, Sunway University: Research Fellow

Faculty of Medicine, University Malaya: Post-doctoral Research Fellow

Swinburne University of Technology, Australia: Sessional tutor

Research Interests:

Development of antivirals and synthetic peptide based vaccines against dengue, Investigation of cellular immune responses upon dengue infection.

Selected Publications:

1. Ramanathan B, Poh CL, Kirk K, McBride WJH, Aaskov J, Grollo L., Synthetic B-Cell Epitopes Eliciting Cross-Neutralizing Antibodies: Strategies for Future Dengue Vaccine. PLoS ONE 11 (5): e0155900. doi:10.1371/journal.pone.0155900, 2016.
2. Shamala Devi Sekaran, Dennis Grab, Rohit Gundamaraju, Anusyah Rathakrishnan, Babu Ramanathan, Rishya Manikam. 2015. Dengue Virus Tightens Brain Micro Vascular Endothelial Cells While Causing

Loosening of Tight Junctions on other Human Endothelial Cells. European Congress of Clinical Microbiology and Infectious Diseases, Denmark, April 2015.

3. Babu Ramanathan, Kristin Kirk, John McBride, John Fecondo and Lara Grollo. "Identification of conserved antibody epitopes to Dengue virus". ASM Annual Scientific Meeting, Hobart, Tasmania, Australia, July 4-8, 2011.
4. Babu Ramanathan, John McBride, John Fecondo and Lara Grollo. "Identification of conserved antibody epitopes to Dengue virus". BIT's 3rd Annual World Congress of Vaccine, Beijing, China, March 23-25, 2011.