

Personal Details	Kurunathan A/L Sinniah													
Academic Qualifications	<ol style="list-style-type: none"> <li>1. B.Sc biomedicine, Universiti Sains Malaysia, Health campus, Kelantan.</li> <li>2. M.Sc. medical microbiology (vaccinology), Universiti Sains Malaysia, Health campus, Kelantan.</li> </ol>													
Administrative Duties	B Sc. Biotechnology Programme Coordinator													
Publications (last 5 years)	<ol style="list-style-type: none"> <li>1. Repeated dose toxicity evaluation of a cold chain-free, live, attenuated oral cholera vaccine in Sprague Dawley rats TH Xian, S Parasuraman, K Sinniah, M Ravichandran, Vaccine, 2019.</li> <li>2. Immunogenicity and protective efficacy of a live, oral cholera vaccine formulation stored outside-the-cold-chain for 140 days TH Xian, K Sinniah, CY Yean, V Krishnamoorthy, BMC Immunology, 2020.</li> </ol>													
On-going Research	Refer Research Grants													
Completed Research	<ol style="list-style-type: none"> <li>1. Discovering and understanding the mechanism of phage lysins as enzybiotics: A novel functional metagenomic approach</li> <li>2. Product and Process Validation for Cold Chain Free, Live Attenuated Cholera Vaccine</li> <li>3. Metagenomic Analysis of gut Microbiome of Four Malaysian Native Freshwater Fish Species using Next-generation sequencing</li> <li>4. Neural stem cell gene therapy for Cell Signaling in Parkinsons model in mice</li> </ol>													
Research Grants	<table border="1"> <tr> <td colspan="3" style="background-color: black; height: 15px;"></td> </tr> <tr> <td>Co-investigator</td> <td>2019-2021</td> <td>Stemming the Rot from Within: Effect of lytic bacteriophage application on macergens causing soft rot diseases, FRGS 2018-1</td> </tr> <tr> <td>Co-investigator</td> <td>2019-2021</td> <td>Evaluation of Prototype Cold Chain Free Live Attenuated Oral Cholera Vaccine for its Cross-Protective Immunity against Enterotoxigenic Escherichia Coli (ETEC) as a Dual-Use Vaccine for Diarrheal disease, FRGS 2018-1.</td> </tr> <tr> <td>Co-investigator</td> <td>2019-2021</td> <td>ICH GLP-Compliant Pre-Clinical Safety Studies to Support the Licensure of Prototype Cholera Vaccine for Clinical Development, PRGS 2019-1.</td> </tr> </table>					Co-investigator	2019-2021	Stemming the Rot from Within: Effect of lytic bacteriophage application on macergens causing soft rot diseases, FRGS 2018-1	Co-investigator	2019-2021	Evaluation of Prototype Cold Chain Free Live Attenuated Oral Cholera Vaccine for its Cross-Protective Immunity against Enterotoxigenic Escherichia Coli (ETEC) as a Dual-Use Vaccine for Diarrheal disease, FRGS 2018-1.	Co-investigator	2019-2021	ICH GLP-Compliant Pre-Clinical Safety Studies to Support the Licensure of Prototype Cholera Vaccine for Clinical Development, PRGS 2019-1.
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Awards	6 Awards for Research Excellence													
Supervision	Ongoing- 1 PhD completed- 2 MSc													
Teaching	Immunology Research project													

	Biotech Trends Medical Biotech Forensic Science Virology Pharmacogenomics Self Reliance and Social Responsibility
Areas of Expertise	Bacteriophages Cholera vaccine
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