

# JOB OPPORTUNITY: RESEARCH ASSISTANT

The Institute for Medical Research (IMR), Ministry of Health Malaysia, is seeking a motivated Research Assistant to join our team working on developing reverse genetics system for recombinant Chikungunya (CHIKV) production. This project offers invaluable experience in the field of genetic engineering which would contribute for future recombinant CHIKV production for diagnostics, antiviral and vaccine development in Malaysia.



## PROJECT OVERVIEW:

Construction of genomic plasmid carrying the full genome of a local CHIKV outbreak strain.

Recovery of recombinant CHIKV (rCHIKV) via *in vitro* transfection methods.

Assessing the stability of rCHIKV for application in downstream processes such as antiviral assays.

## QUALIFICATION:

Bachelor's or Master's degree in **Biotechnology, Molecular Biology, Microbiology, Biomedical** or related field.

Experience with recombinant DNA technology, cell culture, and mammalian cell transfection.

Familiarity with biosafety procedures in BSL-2 laboratories and GMO related research activity is highly desirable.

Strong organizational, analytical, and communication skills. Team player with a proactive and independent work ethic.

## KEY RESPONSIBILITIES:

- Maintain cell cultures (insect and mammalian cells) for virology assays.
- Assist in plasmid construction, transfection for viral rescue and viral propagation as well as purification.
- Assist in virus stability assessment assays such as genomic sequencing.
- Perform routine qPCR, plaque assays, SDS-PAGE/Western Blot and anti viral assay.

## Optional Skills (Advantageous):

- Experience working with RNA viruses or alphaviruses.
- Proficiency in bioinformatic tools for recombinant technology.
- Knowledge in downstream antiviral screening assays.

## EMPLOYMENT DETAILS:

Salary :  
RM2100/month KWSP & PERKESO available

Duration :  
12 months  
- Extension subject to performance

Location :  
Virology Unit, IMR, NIH, Setia Alam



### SEND YOUR CV

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