PACMOSSI HANDS-ON TRAINING

FOR *AEDES* VECTOR INSECTICIDE RESISTANCE MONITORING

RATIONALE

Insecticide resistance in *Aedes* vectors threatens the effectiveness of vector control. Resistance data are needed to inform the selection of interventions and design of strategies. However, there is no recent data available for numerous countries in the Pacific.

This training is designed to support participants to generate resistance data after returning to work.

OBJECTIVES

Students will be familiar & gain experience with:

1. Rearing *Aedes* species in low capacity insectaries for use in resistance assays
2. Evaluating insecticide resistance using the WHO tube test
3. Basic mosquito identification e.g. differentiating *Aedes*, *Culex* and anophelines by morphology, differentiating male and female mosquitoes from other insects
4. Documenting and interpreting insecticide resistance data, and implications

PARTICIPANTS

Eligible countries will have:

- No recent *Aedes* insecticide resistance data
- Resistance test kits/papers available
- Willingness to allocate budget, resources and staff time for in-country resistance monitoring
- Willingness to share resistance data collected

Eligible nominees from these countries will have:

- Completed PacMOSSI online course Modules 1-5

NOMINEES PROVIDED AND INVITATIONS SENT

AT A GLANCE

- **Location**: Suva, Fiji
- **Dates**: 25-29 November 2024
- **Modes**: classroom, lab & field sessions
- **Participants**: nominees from eligible countries only
- **Follow-up**: participants to conduct monitoring after returning from training

KEY FACULTY

Dr Greg Devine
QIMRB Institute of Medical Research
Brisbane, Australia

Dr Elina Panahi
QIMRB Institute of Medical Research
Brisbane, Australia

Mr Vineshwaran Rama
Ministry of Health and Medical Services
Suva, Fiji

Dr Amanda Murphy
James Cook University
Cairns, Australia