

Focal Dengue Virus Transmission in Kamphaeng Phet, Thailand and Implications for Control

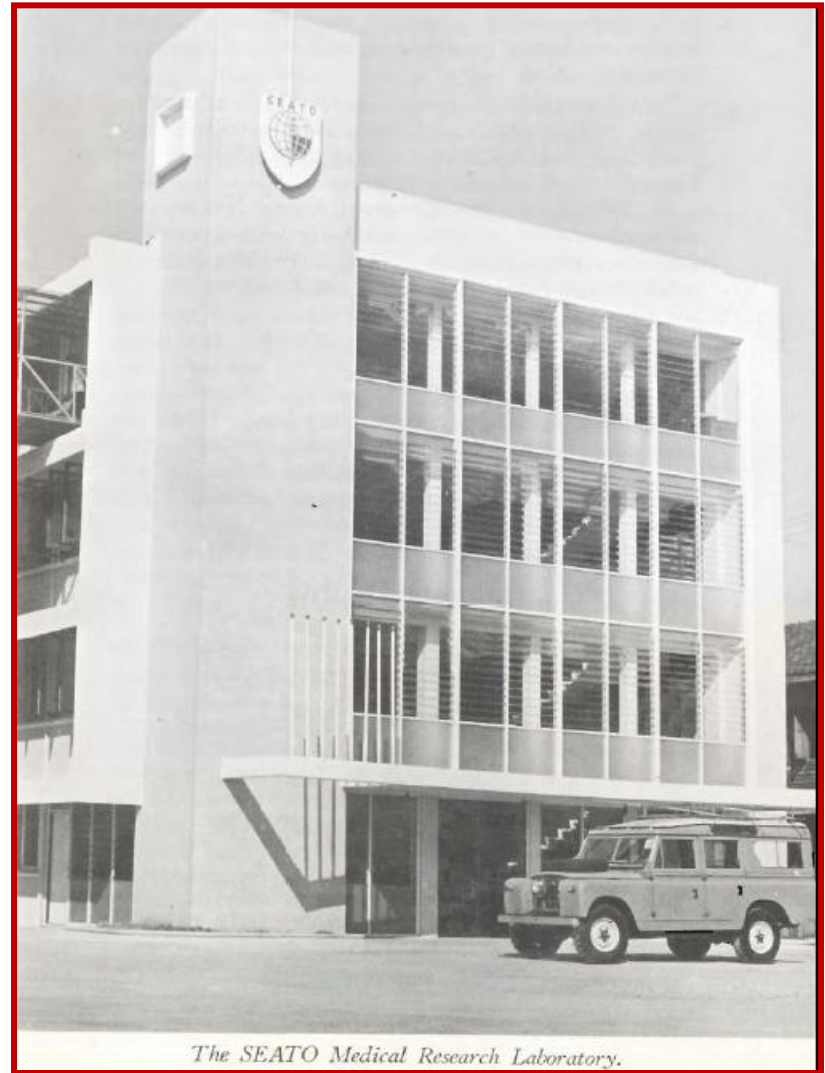
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AFRIMS Origins

- 1958:
 - Cholera outbreak
 - Aid in response
- 1959:
 - SEATO lab established
- 1961:
 - Research mission expands
- 1977:
 - SEATO becomes AFRIMS



The SEATO Medical Research Laboratory.

AFRIMS Mission

*Over 50 Years of Infectious
Disease Research in
Southeast Asia*

- Develop & evaluate products
 - Diagnostics
 - Drugs
 - Vaccines
- Disease surveillance
 - Field sites
- Bench research



Outline

- Overview of cohort/cluster studies in Kamphaeng Phet, Thailand
- Heterogeneity of infection risk
- Spatiotemporal dimensions of focal transmission
- Presence of risk “hotspots”
- Role of Human movement
- Role of “inapparent” dengue cases in virus transmission
- Increasing age of dengue
- Summary

Overview of Cohort/Cluster Studies in Kamphaeng Phet, Thailand