



**NOGUCHI MEMORIAL INSTITUTE
FOR MEDICAL RESEARCH**

UNIVERSITY OF GHANA, LEGON

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Vestergaard – NMIMR Vector Labs

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Vestergaard – NMIMR Vector Labs

VESTERGAARD 
IMPACTING PEOPLE

About us

Vestergaard-NMIMR Vector Labs (VNVL) was established in November 2011 as a public-private partnership between **Vestergaard** and **Noguchi Memorial Institute for Medical Research** with a primary goal to strengthen research and development of vector control tools and provide opportunities for knowledge sharing, capacity building, and collaboration.

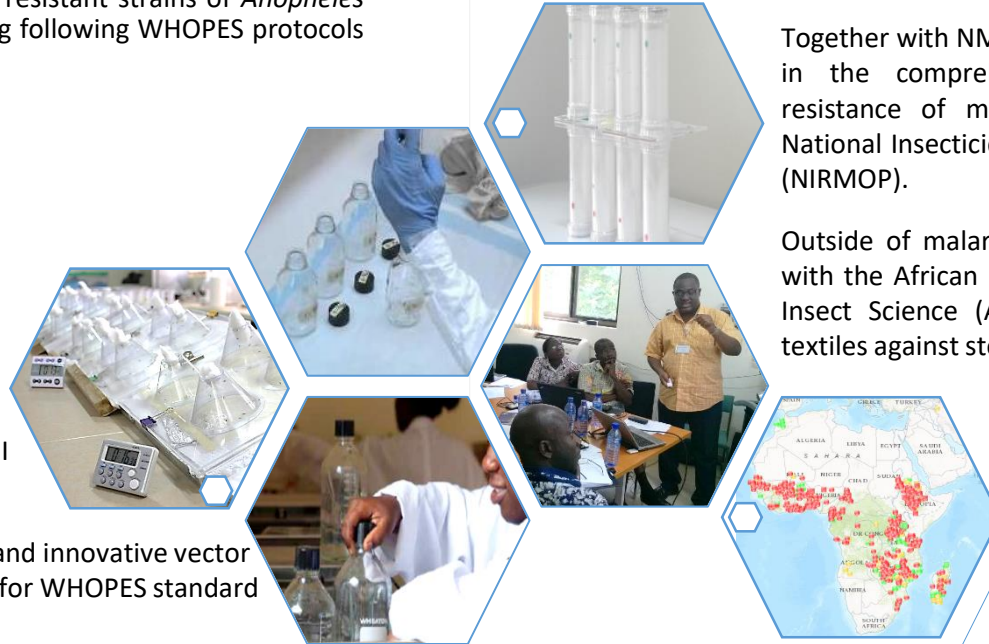
VNVL houses susceptible and insecticide resistant strains of *Anopheles gambiae s.l.* for extensive bioassay testing following WHOPES protocols and tailored experiments.

Our services

- **Insectary** with susceptible and insecticide resistant *An. gambiae s.l.* strains. High production capacity of over one million mosquitoes per year.
- **Bioassay laboratory** with capacity to conduct bioassays per WHOPES Phase I protocol for testing long lasting insecticidal nets (LLINs) and tailored bioassays for testing of new products and innovative vector control tools. The lab is also equipped for WHOPES standard washing procedure for LLINs.

Susceptibility testing using WHO tube and CDC bottle assay protocols are also routinely conducted for monitoring of insectary colonies and testing of wild mosquitoes.

- **Molecular laboratory** equipped for molecular determination of mosquito species, characterization of insecticide resistance mechanisms including target site and metabolic mechanisms, presence of *Plasmodium* sporozoites, and blood meal origin.
- **Tailored training in malaria entomology** and hosting of local and international research projects opportunities are also available.



Collaboration

VNVL functions in partnership with NMIMR and collaborates with a number of research fellows within the Department of Parasitology and Immunology. Recent undergraduates are also posted to VNVL through the National Service Scheme.

In addition to the core collaboration with NMIMR, Vestergaard also collaborates with academic institutions and vector control stakeholders globally.

Together with NMIMR, VNVL has also played a key role in the comprehensive monitoring of insecticide resistance of malaria vector in Ghana under the National Insecticide Resistance Monitoring Partnership (NIRMOP).

Outside of malaria vector control, VNVL collaborates with the African Regional Postgraduate Programme in Insect Science (ARPPIS) for the bioassay testing of textiles against stored product insects.

VNVL offers collaborators high insectary capacity and bioassay testing capabilities for both laboratory and field based trials.

VNVL staff:

- Chief Research Assistant
- 10 Research Assistants
- Administrative assistant
- 3 support staff

