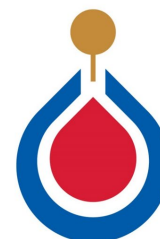




UNIVERSITEIT VAN PRETORIA
UNIVERSITY OF PRETORIA
YUNIBESITHI YA PRETORIA

Make today matter

A transdisciplinary research entity housed in the School of Health Systems & Public Health, Faculty of Health Sciences, University of Pretoria. Coordinates and promotes collaborative research on innovative, novel, safer and sustainable control tools and management strategies, towards malaria elimination.



UP ISMC

UNIVERSITY OF PRETORIA
INSTITUTE FOR SUSTAINABLE MALARIA CONTROL

Research Innovation Education
TOWARDS MALARIA ELIMINATION

The UP ISMC:

- Collaboration across all 9 Faculties, GIBS Business School, other university research entities, and external partners
- A holistic approach to looking at malaria
- Aligned with the national malaria elimination agenda
- Works with malaria control programmes (MCPs) on decision making for control and elimination
- Transdisciplinary basic and translational research within and across 3 research clusters

Services provided:

- Malaria Vector Insectary and Laboratory (MVIL):
 - Insecticide and repellent testing
 - Insecticide resistance testing
- Malaria Parasite Molecular Laboratory (M²PL):
 - Screen for compounds that kill all parasite life stages
 - Druggable targets and processes in parasites
- Courses:
 - Leadership & management training for MCPs
 - Vector surveillance and control

Awards and research chairs:

- SAMRC Collaborating Centre for Malaria Research
- NRF/DSI SARCHI Chair in Sustainable Malaria Control
- NRF Community of Practice in Malaria Elimination
- NSTF Award - 2018 - Communication

Some collaborators & stakeholders:

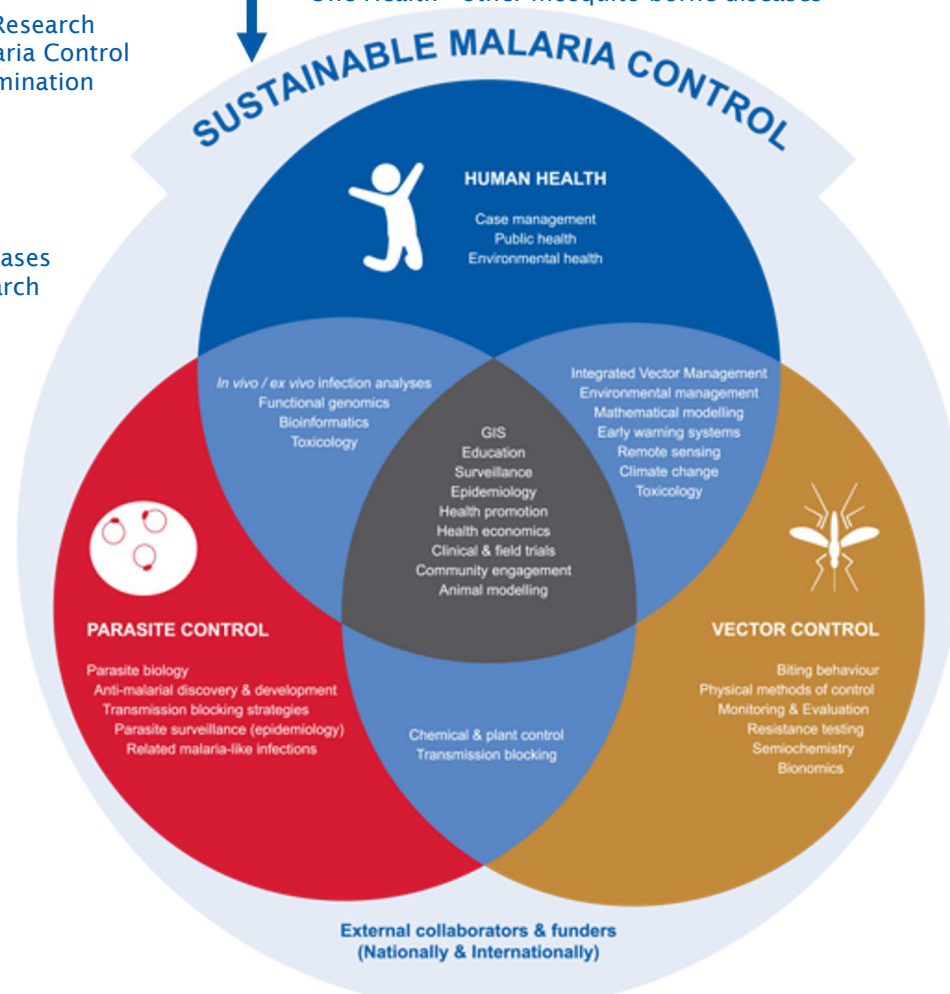
- South African Medical Research Council
- National Department of Health
- National Institute for Communicable Diseases
- Council for Scientific and Industrial Research
- South African Weather Service
- South African National Space Agency
- AVIMA
- Bayer
- Syngenta
- Bill & Melinda Gates foundation
- Glaxo-Smith-Kline
- Medicines for Malaria Venture
- Drugs for Neglected Diseases Initiative
- French National Space Agency
- Goodbye Malaria
- Malaria Consortium
- Clinton Health Access Initiative
- Elimination 8 secretariat
- Various country MCPs
- Tertiary education & research institutions
- Malaria-endemic communities

Contact:

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Malaria focus areas, not limited to:

- Drug discovery and transmission blocking
- Natural products & indigenous knowledge systems
- Innovative vector control tools and strategies:
 - Polymers & products
 - Insecticide & repellent testing
 - Integrated vector management
- Malaria education and health promotion
- Remote Sensing for Malaria Control in Africa (ReSMaCA) programme:
 - Satellite technologies for surveillance and control
 - Impact of climate and climate change
 - Human cross-border movement
- Human and environmental health impacts
- Semiochemistry & volatile organic compound studies:
 - 'Push-pull' control and surveillance mechanisms
 - Compounds driving vector habits and habitats
- Leadership & management capacity building, training and research
- Malaria case management
- Supply chain management
- Health systems and public health
- One Health - other mosquito-borne diseases



Research aligned with SDGs



www.malaria.up.ac.za

