# A high-throughput diagnostic for relapsing liver malaria

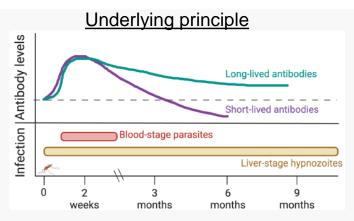


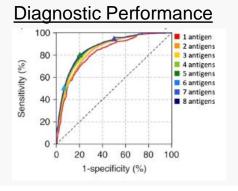
### The Problem

- Endemic countries throughout the Asia-Pacific have committed to eliminate malaria by 2030
- P. vivax is very difficult to eliminate because dormant liver stages relapse and cause 79% of new infections
- Current diagnostic approaches cannot detect liver stages
- The need for a high-throughput test to detect P. vivax relapse is spelt out in Preferred Product Characteristics <u>published</u> in 2024 by the WHO<sup>1</sup>

### The Solution

- A novel Luminex Assay to detect recent (≤270 days) P. vivax infection (Longley 2020 Nature Medicine)
- · Recently-infected individuals can then be treated with drugs that target malaria liver stages
- Modelling shows that such a "test and treat" approach could accelerate P. vivax elimination (clinical validation ongoing)





## **Our Program**

Progress: Patent-protected panel of P. vivax serological exposure markers; all IP owned by WEHI

<u>Next steps:</u> Development of a fully standardised and quality-controlled Luminex-based reference assay is underway

Looking to licence technology to an existing diagnostics company

#### **Our Team**

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