Mission

To enable country partners to elimination *P. vivax* malaria within proposed timelines:

**Safe and effective radical cure of malaria**

- Promote prescription and adherence of primaquine
- Pave the way for tafenoquine
- Facilitate novel effective regimens and interventions
- Identify populations at risk of malaria and haemolysis
- Diagnose individuals with malaria and at risk of haemolysis
Approach to research and to influencing policy and practise:

1. Identify knowledge gaps
2. Building consensus
3. Generating the evidence
4. Translate into policy
Identify Knowledge Gaps

Annual review to identify critical bottlenecks
• Lit reviews
  • *Vivax surveyor published in Int J Para Drugs Drug Resist.* 2017 Mar
• **Updates**: Diagnostics, Surveillance, Therapeutics 2019
Building Consensus

• **Focused Workshops**
  • G6PD workshop 2018
  • Surveillance workshop (host and parasite) 2019

• **Standardized protocol for surveys**
  • ACROSS Surveys 2018

• **Standardized protocol for genotyping**
  • Host and parasite 2019

• **Research Code of Practice** 2019
Generating the Evidence
Host and Parasite Surveillance

1. Establish Amplicon Sequencing
   High throughput parasite and host typing
   Parasite: CQR, PopGen
   Host: G6PDd, CYP2d6, Serology

2. Standardisation with regional centres
   Jakarta ➔ Bangkok, Ho Chi Minh

3. Vivaxgen - online data sharing platform
   www.vivaxgen.menzies.edu.au

4. Geospatial Mapping
Surveillance

- Genotyping Platform – Vivaxgen - 2017
- Revise for SNP analysis - 2019
- Support local capacity: Eijkman, HCM - 2019
- Update on *P. vivax* and G6PD prevalence maps - 2019
- Serotyping platform - 2020
- **ACROSS** Country Partner Surveys: 2018-2019
  Cross sectional & healthcare facility based
Diagnostics

• Field performance and applicability of new diagnostics for parasite and host
  • ACROSS Surveys – 2018 - 2019

• Implementation, practice and acceptance regarding the use of novel diagnostics – 2018 - 2019

• Support G6PD reference centres - 2018 - 2019
  • Bangladesh and Indonesia
Case Management

- Interventions to improve PQ adherence
  - 2019 devise and trial intervention

- Pooled analysis of Chloroquine and Primaquine
  - 2018 Cq dosing study
  - 2019 Risk of haemolysis in vivax malaria
  - 2019 Efficacy of different ACTs for *P. vivax*

- Promote novel treatment strategies
  - 2017 – STOPMiP
  - 2018 - Tafenoquine
  - 2019 – IMPROV – Short course primaquine regimens
Deliverables 2019

1. Knowledge Gaps
   o Annual meeting
   o Molecular Surveillance Workshop

2. Building Consensus
   o Field test novel G6PD and UltraSens diagnostics (2018-2019)
   o Develop interventions to improve Pq adherence (2019)
   o Code research practice

3. Generate Data:
   o Cross Sectional Surveys (7 sites)
     ▪ G6PD, parasite genotyping, serology
   o Open access database and mapping tool of Pvivax and G6PDd (MAP)
   o Field studies of >3 novel g6PD / parasite tests (PATH, Accessbio, IV, FIND)
   o Pooled clinical analyses - WWARN
Other Matters

Other deliverables and activities:
- Online resources and
- Capacity building
- Forum for dialogue and engagement
  ➔ Implementation and Operational research and support

2019 Meeting
- Duration, location, focus

Co-Chairs:
- Duration and level of support
- Lead / facilitated by a non-researcher