



## Malaria Vaccine Project

### *Malaria: The pressing need for a vaccine*

The World Health Organisation (WHO) World malaria report released in November 2018 reveals that there are an estimated 219 million cases of malaria worldwide and more than 435,000 people die of malaria every year, mostly children under five and pregnant mothers. The report states that there is no significant progress in controlling this terrible disease and that an effective vaccine is urgently needed.

### *PlasProtect®*

PlasProtect® is a novel malaria vaccine candidate developed at Griffith University by Professor Michael Good. It consists of whole malaria parasites that are grown in the laboratory under strictly controlled conditions. The parasites are treated with a chemical so that they can no longer replicate or cause an infection. These treated parasites are then administered as a vaccine to raise an immune response without causing disease. The body is then primed to fight malaria parasites that may enter the body in the future, preventing malaria infection.

### *Development of PlasProtect®*

The vaccine **has already been created** and is able to be manufactured (2011–12).

The vaccine **has been produced** for animal studies (2011–12) and has been shown to have broad-spectrum protection against infection with malaria parasites in animal models (2012–14).

The vaccine **has been used** for pilot clinical studies in human volunteers. A preliminary study with a small sample of human volunteers **has shown** that the vaccine is safe and able to induce an immune response (2014–16).

### *Rotary partnership*

The Rotary Clubs of Southport, Broadbeach, Hope Island and the Rotary Satellite Club of Southport—Griffith University have initiated a fundraising project to support the work of Professor Michael Good and his team at the Institute for Glycomics at Griffith University on the Gold Coast. The fundraising project has been registered by Rotary Australia Benevolent Society (RABS) and endorsed by the National Committee of Rotarians Against Malaria (RAM). In 2017, Rotary and the Institute for Glycomics at Griffith University formally established The Malaria Vaccine Project, which is managed on behalf of the two partners by a Committee of 14 persons representing the two partners in the Project. This Committee is charged with raising funds for the research.



## *Clinical trials save lives*

The purpose of the clinical trial is to evaluate the effectiveness of the vaccine in protecting human volunteers against a malaria parasite. These trials have already started with a small sample at the Gold Coast and further trials with a larger sample will take place in Brisbane. Professor Good has informed us that the clinical trials at the Gold Coast have gone well and observed that a recent technological breakthrough will enable the vaccine program to move more quickly to endemic countries where it is sorely needed. However, the new technology will come at significant cost.

## *We need your help*

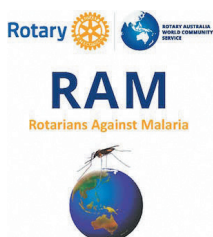
The Malaria Vaccine Project continues its important work in raising funds for clinical trials. Since the project was launched by the Governor-General Sir Peter Cosgrove in March 2017, Rotary has raised over \$500,000 and this has been recently matched by the Federal Government and an earlier grant from the Queensland Government. **A total of \$1.05 million has gone forward to the research.** We need Rotary's continuing help and we need **high net worth companies** to join our sponsor Zarraffas Coffee in matching the efforts of Rotary and Government.

## *Clinical trials in malaria endemic countries*

A subsequent goal is to test the vaccine in a malaria-endemic country with Papua New Guinea and Uganda as possible candidates. Malaria is highly endemic in these countries and we have excellent collaborative networks in both places to facilitate these future trials.

These trials will require additional funding and will be subject to further approvals before proceeding.

## *Partners*



## How to donate

### *Development of a Malaria Vaccine Rabs Project No.16 (Year Registered 2016-17)*

Every donation helps, small or large donations of any amount can be made as a one-off donation or fortnightly, monthly, annually or biannually. A tax-deductible receipt will be sent to you!

#### **For online donations:**

[malariavaccineproject.com](http://malariavaccineproject.com)

#### **By cheque payable to:**

Development of a Malaria Vaccine  
PO Box 84  
Southport QLD 4215

(For receipting purpose please include name, address and post code.)

### *For more information about the project please contact:*

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