



Malaria Vaccine Project

There are approximately 3.2 billion people currently living in malaria endemic areas worldwide, many of which are in Commonwealth nations. In 2015, there were approximately 214 million cases of malaria and 438,000 deaths, mostly children under 5 years. Vaccination is the key to shifting the fight against malaria from sustained control to eradication. Despite global efforts there is no effective malaria vaccine available.

PlasProtect®

Developed at the Institute for Glycomics Griffith University, PlasProtect® is a novel malaria vaccine candidate.

PlasProtect® consists of whole malaria parasites that are grown in the laboratory under strictly controlled conditions. We then treat these parasites so that they can no longer replicate or cause infection. When we administer these treated parasites as a vaccine, an immune response is raised without causing disease. The immune system is then primed to fight malaria parasites that may enter the body in the future, preventing malaria infection.

PlasProtect® uses whole malaria parasites, so it overcomes the limitations of sub-unit vaccine approaches and we have already shown broad spectrum protection in animal studies. A pilot clinical study in healthy human volunteers demonstrated that the PlasProtect® approach is safe and able to induce an immune response. We are now seeking funding to allow us to demonstrate that PlasProtect® is safe and effective in a larger number of human volunteers and prove that we can protect people from malaria infection.

Rotary Partnership

The Rotary Clubs of Southport and Broadbeach assisted by the Rotary Club of Hope Island and the Rotary Satellite Club of Southport-Griffith University have initiated a fund-raising project to support further development of a promising Malaria vaccine that has been created by Professor Michael Good and his team at the Institute of Glycomics, Griffith University. This fund-raising project, supported by District 9640 Governor Michael Irving and in partnership with Griffith University, has recently been registered by Rotary Australia Benevolent Society (RABS) and endorsed by the National Committee of Rotarians Against Malaria (RAM).

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)

The vaccine **has been shown** to have broad spectrum protection in animal studies (2012-14)

The vaccine **has been produced** for pilot clinical studies in human volunteers (2014-16)

A pilot evaluation in a small sample of malaria naïve human volunteers **has shown** that the vaccine is safe and able to induce an immune response (2014-16)

The next stage that Rotary are planning to fund, involves clinical trial evaluation using a larger sample of malaria naïve human volunteers to show that the vaccine actually works; that is, that PlasProtect® can protect people from malaria infection (2017-18)



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:

<https://malaria-vaccine-project.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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Partners

