





Proteo-Science Center Ehime University Matsuyama, Japan



#### GHIT Fund Global Health Innovative Technology Fund Diagnosis for all

# Innovation through partnership with PDPs



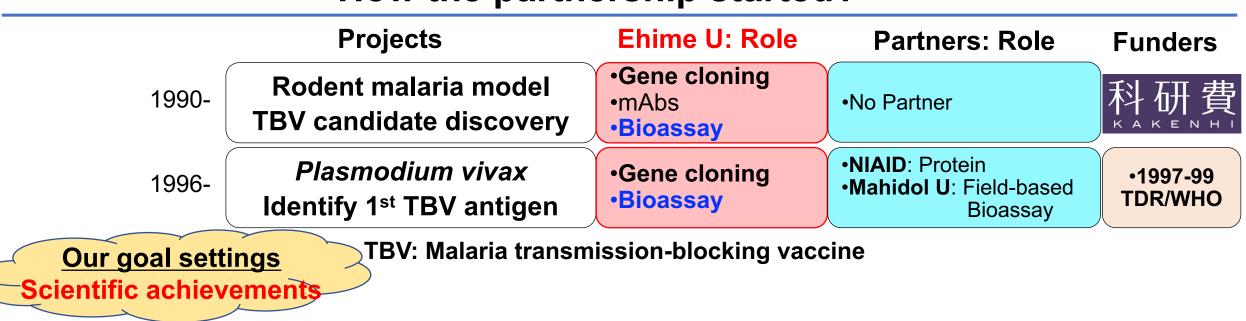
- 1. Overview of our partnerships
  - 1) How the partnership started?
  - 2) How the partnerships with PDPs started?
  - 3) How the partnerships with PDPs advanced?

- 2. Goal settings on global health research in academia
- 3. Summary: Partnership with PDPs

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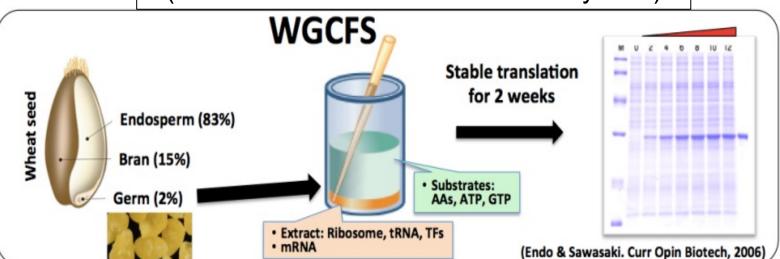
#### How the partnership started?



Malaria Genome in 2002

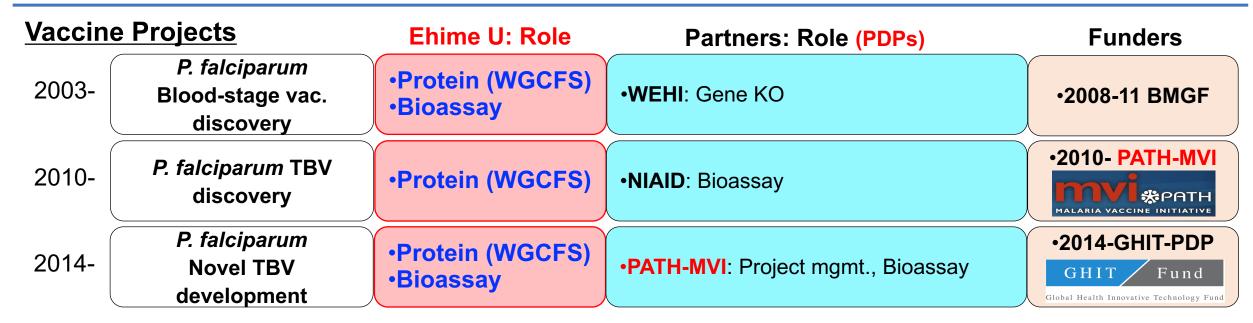
Innovative Protein Synthesis Technology (WGCFS: Wheat Germ Cell-Free System)





Suitable for malaria protein expression

### How the partnerships with PDPs started?



#### **Diagnostic Project**

2015-

P. vivax
Hypnozoite
diagnostics
development

#### **Ehime U: Role**

Protein (WGCFS)HT-

immunoassay

#### Partners: Role (PDPs)

•WEHI: Project mgmt., Cohort sample, antibody measurement, data analysis

•CFS: WGCFS large scale production

 FIND: Develop TPP, Technology selection for future POC diagnostics

#### **Funders**

•2015-GHIT-TRP

GHIT Fund

bal Health Innovative Technology For 

•2017-FIND

FIND >>> Diagnosis for all



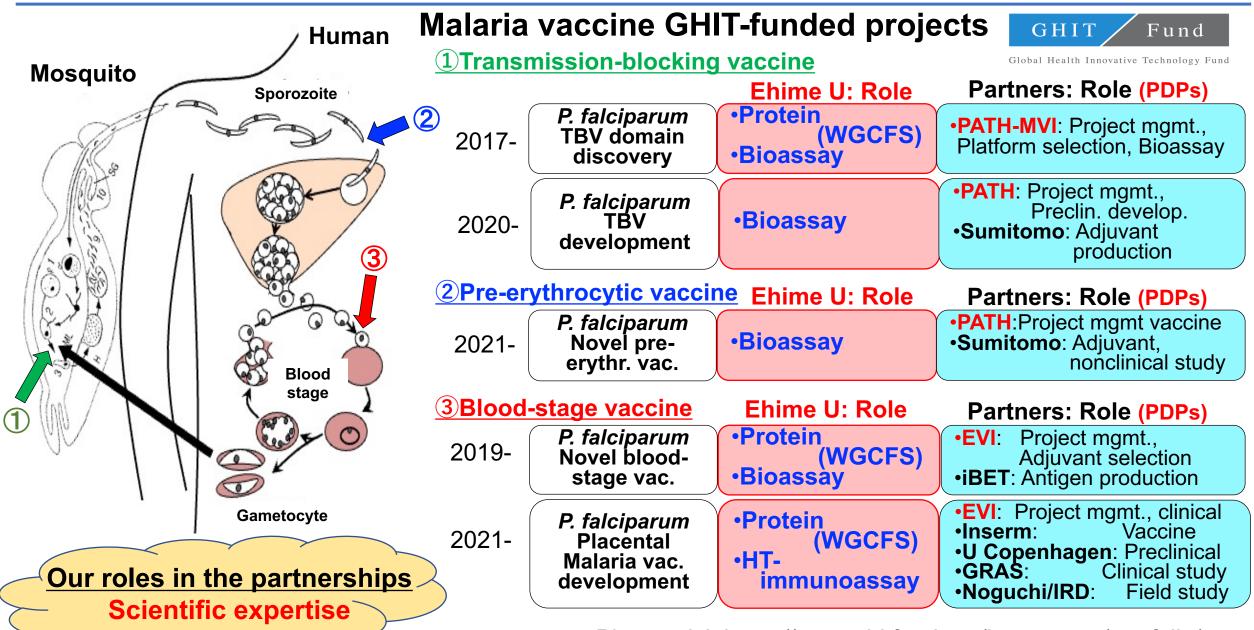




Our goal settings
Scientific achievement to
Product development

Ref. Longley et al., Nat Med 26:741-749, 2020

### How the partnerships with PDPs advanced?

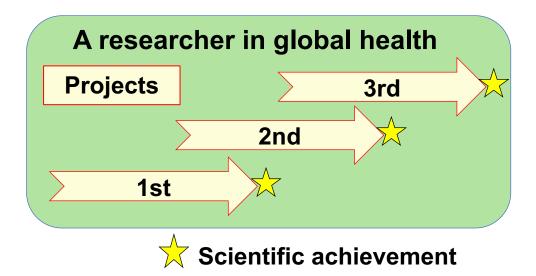


Please visit https://www.ghitfund.org/investment/portfolio/en.

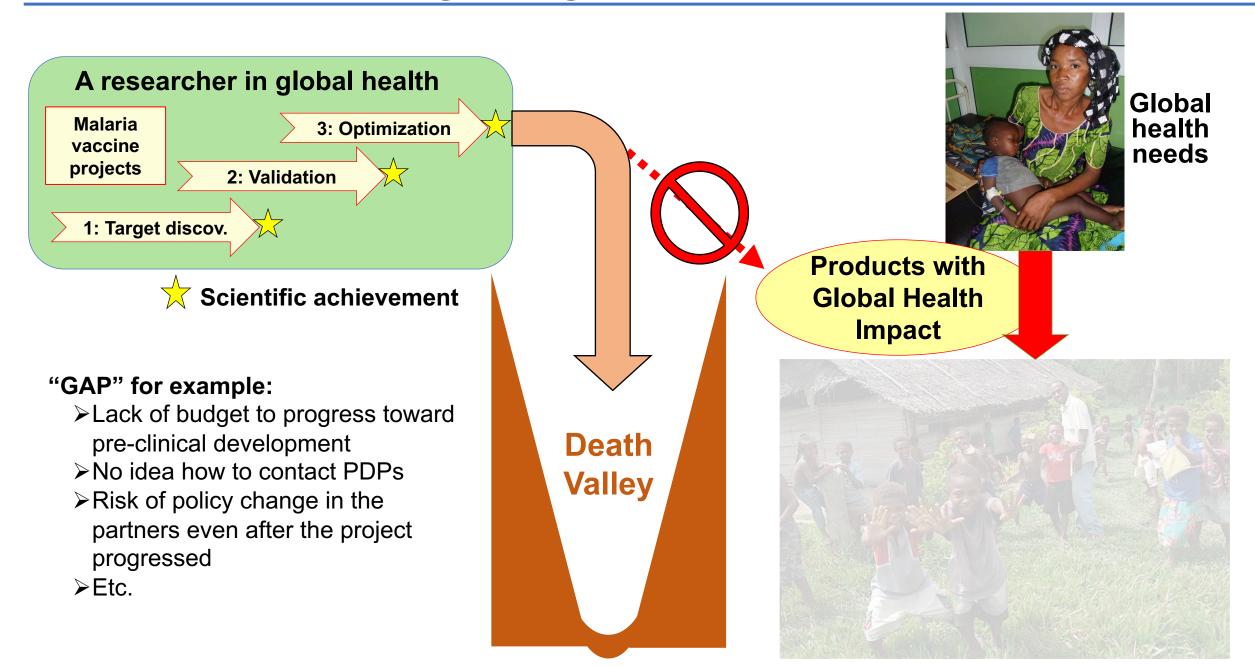
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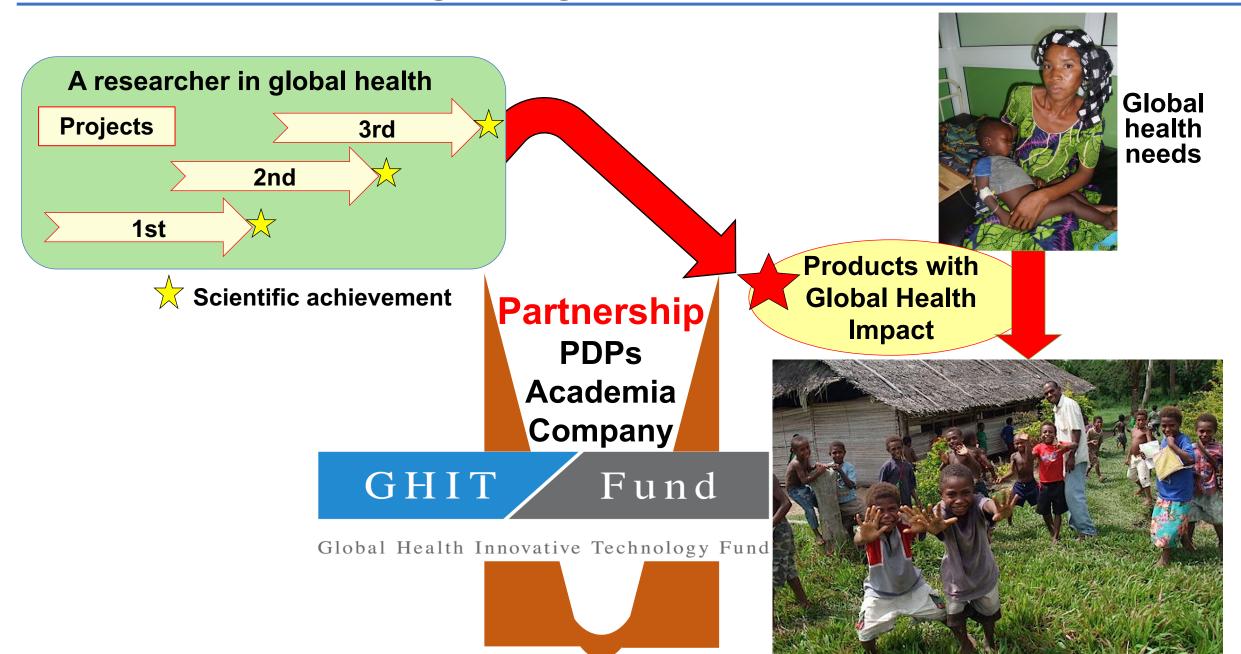
# Goal settings on global health research



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## Goal settings on global health research



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#### **Summary: Partnership with PDPs**

#### Q1. How did we first learn about PDPs?

- a) PATH-MVI: since malaria TBV consortium started in 2000
- **b) FIND**: introduced by our collaborator in the *P. vivax* hypnozoite Dx. project
- c) EVI: met and started discussion at the GHIT Annual Partners Meeting 2016

#### Q2. What were the merits/impacts to us by the projects with PDPs?

"Product development" became a visible goal of our research activities.

#### Q3. Lessons learned and challenges from the partnerships

- a) Proceed basic science research towards product development
- b) Establish mutually complementary relationship with the partners
- c) Most importantly, establishment of trustiness through project activities

#### Q4. How these lessons can be implemented in future projects with PDPs?

- a) Get ideas for the basic science research which will be useful for the future product development
- b) Continue to seek the best mix of partners with complementary expertise for future projects