



DEPARTMENT OF HEALTH AND HUMAN SERVICES

Public Health Service

National Institutes of Health
Bethesda, Maryland 20892

Laboratory of Malaria and Vector Research
National Institute of Allergy and Infectious Diseases
12735 Twinbrook Parkway, Twinbrook 3
Rockville, MD 20852

February 1, 2019

Dr. Socrates Herrera
Investigator
Caucaseco Scientific Research Center
Cali, Colombia

RE: Letter of support for the NIH R01 proposal

Dear Socrates,

It is a pleasure for me to write this letter in support of your proposal "Discovery and preclinical evaluation of Plasmodium falciparum and P. Vivax coiled coil antigens for malaria vaccine development" being submitted to the National Institutes of Health (NIH) as part of the Exploratory/Developmental Research Grant Program (R01) PA-19-077.

I am committed to providing support for functional analysis of antibodies generated to various parasite-encoded coiled-coil antigens as possible malaria vaccine candidates. Specifically, I will support those activities related to evaluating the in vitro Growth Inhibitory Activity assay (GIA) of sera from non-human primates immunized with synthetic peptide vaccine candidates, and potentially with sera from individuals from malaria endemic areas. We have standardized this in vitro GIA assay for *P. falciparum* and have used it to test sera from many different animal species as well as sera from human clinical trials. As we have done in the past for other investigators, we are also happy to host someone from your laboratory to learn our assays and transfer them to Colombia along with standards that we have prepared.

I look forward to collaborating with you on this interesting project.

Best wishes,

A handwritten signature in cursive script that reads "Carole A. Long".

Carole A. Long, Ph.D., FASTMH
Chief, Malaria Immunology Section
Laboratory of Malaria and Vector Research
NIAID/NIH