

as amended. The grant applications and the discussions could disclose confidential trade secrets or commercial property such as patentable material, and personal information concerning individuals associated with the grant applications, the disclosure of which would constitute a clearly unwarranted invasion of personal privacy.

Name of Committee: National Cancer Institute Special Emphasis Panel; Collaborative Research at the NIH Clinical Center (U01).

Date: July 7, 2022.

Time: 1 p.m. to 5 p.m.

Agenda: To review and evaluate grant applications.

Place: National Cancer Institute at Shady Grove, 9609 Medical Center Drive, Room 7W240, Rockville, Maryland 20850 (Virtual Meeting).

Contact Person: Hasan Siddiqui, Ph.D., Scientific Review Officer, Special Review Branch, Division of Extramural Activities, National Cancer Institute, NIH 9609, Medical Center Drive, Room 7W240, Rockville, Maryland 20850, 240-276-5122, hasan.siddiqui@nih.gov.

Name of Committee: National Cancer Institute Initial Review Group; Cancer Centers Study Section (A).

Date: August 4, 2022.

Time: 10:30 a.m. to 12 p.m.

Agenda: To review and evaluate grant applications.

Place: National Cancer Institute at Shady Grove, 9609 Medical Center Drive, Room 7W530, Rockville, Maryland 20850 (Telephone Conference Call).

Contact Person: Shamala K. Srinivas, Ph.D., Associate Director, Office of Referral, Review, and Program Coordination, Division of Extramural Activities, National Cancer Institute, NIH 9609, Medical Center Drive, Room 7W530, Rockville, Maryland 20850, 240-276-6442, ss537t@nih.gov.

(Catalogue of Federal Domestic Assistance Program Nos. 93.392, Cancer Construction; 93.393, Cancer Cause and Prevention Research; 93.394, Cancer Detection and Diagnosis Research; 93.395, Cancer Treatment Research; 93.396, Cancer Biology Research; 93.397, Cancer Centers Support; 93.398, Cancer Research Manpower; 93.399, Cancer Control, National Institutes of Health, HHS)

Dated: June 7, 2022.

Melanie J. Pantoja,

Program Analyst, Office of Federal Advisory Committee Policy.

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DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Institutes of Health

Government-Owned Inventions; Availability for Licensing

AGENCY: National Institutes of Health, HHS.

ACTION: Notice.

SUMMARY: The invention listed below is owned by an agency of the U.S. Government and is available for licensing to achieve expeditious commercialization of results of federally-funded research and development. Foreign patent applications are filed on selected inventions to extend market coverage for companies and may also be available for licensing.

FOR FURTHER INFORMATION CONTACT:

Dawn Taylor-Mulneix at 301-767-5189, or dawn.taylor-mulneix@nih.gov. Licensing information may be obtained by communicating with the Technology Transfer and Intellectual Property Office, National Institute of Allergy and Infectious Diseases (NIAID), 5601 Fishers Lane, Rockville, MD 20852; tel. 301-496-2644. A signed Confidential Disclosure Agreement will be required to receive copies of unpublished information related to the invention.

SUPPLEMENTARY INFORMATION: Technology description follows:

Human IgA Monoclonal Antibody That Targets a Conserved Site on the Plasmodium Falciparum Circumsporozoite Protein

Description of Technology

Scientists at NIAID have isolated MAD2-6, an IgA antibody active against *Plasmodium falciparum* sporozoites, the infectious agent of malaria. In 2019, the majority of the 229 million cases resulted from *P. falciparum* infections. Because *P. falciparum* has a complex lifecycle during human infection, most advanced malaria vaccine candidates and current chemoprophylaxis drugs can confer only partial, short-term protection in malaria-endemic areas. Thus, the MAD2-6 antibody could be used alone or in combination with current technology.

MAD2-6 binds to a unique epitope overlapping with region I, a functionally important region of the *Plasmodium falciparum* circumsporozoite protein (PfCSP). This binding site of PfCSP is a previously unknown target for protective antibodies, which may be useful as a new target. Monoclonal antibodies are promising tools for prevention of malaria and could replace

or be combined with malaria chemoprevention in areas with seasonal malaria.

This technology is available for licensing for commercial development in accordance with 35 U.S.C. 209 and 37 CFR part 404, as well as for further development and evaluation under a research collaboration.

Potential Commercial Applications

- Alternate technologies are required to address drug resistance.
- A multi-targeted approach can combat all stages of the parasite lifecycle.
- Prophylactic treatment for neutralization of *P. falciparum* in normal or at-risk populations including pregnant women.

Competitive Advantages

- Antibodies can be effective as prophylactics, alone or in combination with other treatments.

Development Stage

- Pre-Clinical.

Inventors: Joshua Tan Ph.D., Peter Crompton M.D., Robert Seder M.D., Hyeseon Cho Ph.D., all of NIAID.

Publications: Tan, J., et al., "Functional human IgA targets a conserved site on malaria sporozoites", *Science Translational Medicine*, Vol. 13(599), 23 June 2021. <https://doi.org/10.1126/scitranslmed.abg2344>.

Intellectual Property: HHS Reference No. E-130-2020-0-PCT-02-PCT Application No. PCT/US2021/037571 filed on 6 June 2021.

Licensing Contact: To license this technology, please contact Dawn Taylor-Mulneix at 301-767-5189, or dawn.taylor-mulneix@nih.gov, and reference E-130-2020.

Collaborative Research Opportunity: The National Institute of Allergy and Infectious Diseases is seeking statements of capability or interest from parties interested in collaborative research to further develop, evaluate or commercialize this technology. For collaboration opportunities, please contact Dawn Taylor-Mulneix at 301-767-5189, or dawn.taylor-mulneix@nih.gov.

Dated: June 3, 2022.

Surekha Vathyam,

Deputy Director, Technology Transfer and Intellectual Property Office, National Institute of Allergy and Infectious Diseases.

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