

## 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](mailto: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, 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 A signed Confidential Disclosure Agreement will be required to receive copies of unpublished information related to the invention.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 Monoclonal Antibodies That Target Plasmodium Falciparum Sporozoites

##### Description of Technology

Malaria is one of the world's deadliest infectious diseases, causing an estimated 249 million cases and 608,000 deaths annually, with children in the regions of Africa and South Asia being most vulnerable. Approx 2,000 cases of malaria are reported in the United States each year, by travelers from malaria-risk countries. Malaria is a mosquito-borne parasitic disease transmitted through the bite of infected female mosquitoes, which introduces *Plasmodium* sporozoites into the bloodstream of the human host. There are five *Plasmodium* parasite species that cause malaria in humans, of which, the vast majority of life-threatening cases are caused by infection with *Plasmodium falciparum* parasites.

Researchers at NIAID have developed 11 human monoclonal antibodies that bind to a unique site on the circumsporozoite protein (CSP) on *Plasmodium falciparum* sporozoites that is not targeted by any known monoclonal antibodies. These

antibodies do not bind to recombinant forms of CSP and as such bind to a processed or post-translational form of the protein processed by the sporozoites. In vivo studies have shown several of these antibodies can substantially reduce liver parasite burden in a mouse model of malaria. These antibodies can work cooperatively with known antibodies that target the repeat region of CSP. Some of these novel antibodies have shown enhanced protection in an animal model when combined with known protective monoclonal antibodies against sporozoites, suggesting that together they may form an effective cocktail to prevent 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

- Prophylactic and preventative treatment against malaria.

##### Competitive Advantages

- These antibodies bind to a unique site on the circumsporozoite protein (CSP) on *Plasmodium falciparum* sporozoites that is distinct from the targets of pre-existing mAbs.
- These monoclonal antibodies can be used alone or in combination with existing antibodies.

##### Development Stage

- Pre-Clinical
- Inventors:* Joshua Tan, Ph.D., Cherrelle Dacon, Ph.D., both of NIAID.  
*Publications:* n/a.

*Intellectual Property:* HHS Reference No. E-212-2022-0. U.S. Provisional Patent Application No. 63/409,016, filed on September 22, 2022, and PCT Patent Application No. PCT/US2023/074791, filed on September 21, 2023.

*Licensing Contact:* To license this technology, please contact Dawn Taylor-Mulneix at 301-767-5189, or [dawn.taylor-mulneix@nih.gov](mailto:dawn.taylor-mulneix@nih.gov), and reference E-212-2022.

*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. Areas of specific interest include (a) testing developability of these antibodies (e.g., biophysical characteristics, cross-reactivity, pharmacokinetics, toxicity), (b) pre-clinical model assessment, and (c) human clinical trials. For collaboration opportunities, please

contact Dawn Taylor-Mulneix at 301-767-5189, or [dawn.taylor-mulneix@nih.gov](mailto:dawn.taylor-mulneix@nih.gov).

Dated: April 8, 2024.

**Surekha Vathyam,**

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

[FR Doc. 2024-08013 Filed 4-15-24; 8:45 am]

**BILLING CODE 4140-01-P**

## DEPARTMENT OF HOMELAND SECURITY

### U.S. Citizenship and Immigration Services

[OMB Control Number 1615-0014]

#### Agency Information Collection Activities; Revision of a Currently Approved Collection: Declaration of Financial Support

**AGENCY:** U.S. Citizenship and Immigration Services, Department of Homeland Security.

**ACTION:** 60-day notice.

**SUMMARY:** The Department of Homeland Security (DHS), U.S. Citizenship and Immigration Services (USCIS) invites the general public and other Federal agencies to comment upon this proposed revision of a currently approved collection of information. In accordance with the Paperwork Reduction Act (PRA) of 1995, the information collection notice is published in the **Federal Register** to obtain comments regarding the nature of the information collection, the categories of respondents, the estimated burden (i.e. the time, effort, and resources used by the respondents to respond), the estimated cost to the respondent, and the actual information collection instruments.

**DATES:** Comments are encouraged and will be accepted for 60 days until June 17, 2024.

**ADDRESSES:** All submissions received must include the OMB Control Number 1615-0014 in the body of the letter, the agency name and Docket ID USCIS-2006-0072. Submit comments via the Federal eRulemaking Portal website at <https://www.regulations.gov> under e-Docket ID number USCIS-2006-0072.

**FOR FURTHER INFORMATION CONTACT:** USCIS, Office of Policy and Strategy, Regulatory Coordination Division, Samantha Deshommes, Chief, telephone number (240) 721-3000 (This is not a toll-free number. Comments are not accepted via telephone message). Please note contact information provided here is solely for questions regarding this

notice. It is not for individual case status inquiries. Applicants seeking information about the status of their individual cases can check Case Status Online, available at the USCIS website at <https://www.uscis.gov>, or call the USCIS Contact Center at 800-375-5283 (TTY 800-767-1833).

#### SUPPLEMENTARY INFORMATION:

##### Comments

You may access the information collection instrument with instructions or additional information by visiting the Federal eRulemaking Portal site at: <https://www.regulations.gov> and entering USCIS-2006-0072 in the search box. Comments must be submitted in English, or an English translation must be provided. All submissions will be posted, without change, to the Federal eRulemaking Portal at <https://www.regulations.gov>, and will include any personal information you provide. Therefore, submitting this information makes it public. You may wish to consider limiting the amount of personal information that you provide in any voluntary submission you make to DHS. DHS may withhold information provided in comments from public viewing that it determines may impact the privacy of an individual or is offensive. For additional information, please read the Privacy Act notice that is available via the link in the footer of <https://www.regulations.gov>.

Written comments and suggestions from the public and affected agencies should address one or more of the following four points:

(1) Evaluate whether the proposed collection of information is necessary for the proper performance of the functions of the agency, including whether the information will have practical utility;

(2) Evaluate the accuracy of the agency's estimate of the burden of the proposed collection of information, including the validity of the methodology and assumptions used;

(3) Enhance the quality, utility, and clarity of the information to be collected; and

(4) Minimize the burden of the collection of information on those who are to respond, including through the use of appropriate automated, electronic, mechanical, or other technological collection techniques or other forms of information technology, e.g., permitting electronic submission of responses.

#### Overview of This Information Collection

(1) *Type of Information Collection:* Revision of a Currently Approved Collection.

(2) *Title of the Form/Collection:* Declaration of Financial Support.

(3) *Agency form number, if any, and the applicable component of the DHS sponsoring the collection:* I-134; USCIS.

(4) *Affected public who will be asked or required to respond, as well as a brief abstract:* *Primary:* Individuals or households. DHS and consular officers of the Department of State (DOS) use Form I-134 to determine whether, at the time of the beneficiary's application, petition, or request for certain immigration benefits, that beneficiary has sufficient financial support to pay for expenses for the duration of their temporary stay in the United States.

(5) *An estimate of the total number of respondents and the amount of time estimated for an average respondent to respond:* The estimated total number of respondents for the information collection I-134 is 2,500 and the estimated hour burden per response is 1.65 hours.

(6) *An estimate of the total public burden (in hours) associated with the collection:* The total estimated annual hour burden associated with this collection is 4,125 hours.

(7) *An estimate of the total public burden (in cost) associated with the collection:* The estimated total annual cost burden associated with this collection of information is \$10,625.

Dated: April 8, 2024.

**Samantha L Deshommnes,**

*Chief, Regulatory Coordination Division, Office of Policy and Strategy, U.S. Citizenship and Immigration Services, Department of Homeland Security.*

[FR Doc. 2024-08014 Filed 4-15-24; 8:45 am]

**BILLING CODE 9111-97-P**

#### DEPARTMENT OF HOMELAND SECURITY

##### U.S. Citizenship and Immigration Services

[OMB Control Number 1615-0122]

#### Agency Information Collection Activities; Revision of a Currently Approved Collection: USCIS Online Account Access

**AGENCY:** U.S. Citizenship and Immigration Services, Department of Homeland Security.

**ACTION:** 30-Day notice.

**SUMMARY:** The Department of Homeland Security (DHS), U.S. Citizenship and

Immigration Services (USCIS) will be submitting the following information collection request to the Office of Management and Budget (OMB) for review and clearance in accordance with the Paperwork Reduction Act of 1995. The purpose of this notice is to allow an additional 30 days for public comments.

**DATES:** Comments are encouraged and will be accepted until May 16, 2024.

**ADDRESSES:** Written comments and/or suggestions regarding the item(s) contained in this notice, especially regarding the estimated public burden and associated response time, must be submitted via the Federal eRulemaking Portal website at <http://www.regulations.gov> under e-Docket ID number USCIS-2011-0015. All submissions received must include the OMB Control Number 1615-0122 in the body of the letter, the agency name and Docket ID USCIS-2011-0015.

**FOR FURTHER INFORMATION CONTACT:** USCIS, Office of Policy and Strategy, Regulatory Coordination Division, Samantha Deshommnes, Chief, telephone number (240) 721-3000 (This is not a toll-free number; comments are not accepted via telephone message.). Please note contact information provided here is solely for questions regarding this notice. It is not for individual case status inquiries. Applicants seeking information about the status of their individual cases can check Case Status Online, available at the USCIS website at <http://www.uscis.gov>, or call the USCIS Contact Center at 800-375-5283 (TTY 800-767-1833).

#### SUPPLEMENTARY INFORMATION:

##### Comments

The information collection notice was previously published in the **Federal Register** on August 14, 2023, at 88 FR 55065, allowing for a 60-day public comment period. USCIS did receive two comments in connection with the 60-day notice.

You may access the information collection instrument with instructions, or additional information by visiting the Federal eRulemaking Portal site at: <http://www.regulations.gov> and enter USCIS-2011-0015 in the search box. Comments must be submitted in English, or an English translation must be provided. The comments submitted to USCIS via this method are visible to the Office of Management and Budget and comply with the requirements of 5 CFR 1320.12(c). All submissions will be posted, without change, to the Federal eRulemaking Portal at <http://www.regulations.gov>, and will include any personal information you provide.