

Disclosure Agreement will be required to receive copies of unpublished patent applications.

**SUPPLEMENTARY INFORMATION:**  
Technology description follows.

**Mononegavirales Vectors Expressing Chimeric Antigens**

*Description of Technology*

Human respiratory syncytial virus (RSV) continues to be the leading viral cause of severe acute lower respiratory tract disease in infants and children worldwide, and also is an important cause of morbidity and mortality in the elderly. A licensed vaccine or antiviral drug suitable for routine use remains unavailable. This invention relates to the use of murine pneumonia virus (MPV—previously known as pneumonia virus of mice, PVM—of family *Pneumoviridae*) as a vaccine vector expressing the RSV fusion protein F, the most important protective antigen of RSV. MPV is not a human pathogen and is not restricted by immunity to common human viruses. MPV replicates in the superficial epithelial cells of the respiratory mucosa and is expected to be attenuated in humans based on the strong host range restriction observed in non-human primates. To generate these MPV/RSV vector vaccine candidates, the RSV F ORF was codon optimized, placed under the control of MPV transcription signals, and inserted at the first (rMPV-F1), third (rMPV29 F3), or fourth (rMPV-F4) gene position of a version of the MPV genome that contained a codon-pair optimized L polymerase gene. The recovered viruses replicated *in vitro* as efficiently as the empty vector, with stable expression of RSV F protein. Replication and immunogenicity of rMPV-F1 and rMPV-F3 were evaluated in rhesus macaques following administration by the combined intranasal and intratracheal routes. Both viruses replicated at low levels in the upper and lower respiratory tract, maintained stable RSV F expression, and induced similarly high levels of RSV-neutralizing serum antibodies that reached peak titers by fourteen (14) days post-vaccination. Thus, rMPV provides a highly attenuated yet immunogenic vector for the expression of RSV F protein, with potential application in RSV-naïve and RSV-experienced populations. RSV F was expressed in the wild-type form, but can readily be engineered to be stabilized in the highly immunogenic prefusion form, as has been done with parainfluenza virus vectors.

The invention relates to live, chimeric non-human *Mononegavirales* vectors

that allow a cell to express at least one protein from at least one human pathogen as well as compositions comprising the vectors, methods and kits for eliciting an immune response in a host, and methods of making the vectors.

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*

- Viral diagnostics
- Vaccine research

*Competitive Advantages*

- Ease of manufacture
- Multivalent live attenuated vaccines
- B cell and T cell activation
- Low-cost vaccines

*Development Stage*

- In vivo data assessment (animal)
- Inventors:* Shirin Munir (NIAID), Linda Brock (NIAID), Ursula Buchholz (NIAID), Peter Soukas (NIAID).  
*Intellectual Property:* HHS Reference No. E-018-2018/0—U.S. Provisional Application No. 62/661,320, filed April 23, 2018 (expired), PCT Patent Application No. PCT/US2019/028771, filed April 23, 2019 (expired), Taiwanese Patent Application No. 108114132, filed April 23, 2019 (pending), Brazilian Patent Application No. BR112020021652-6, filed October 22, 2020 (pending), Australian Patent Application No. 2019261570, filed October 21, 2020 (pending), Canadian Patent Application No. 3097888, filed October 20, 2020 (pending), Chinese Patent Application No. 201980039372.6, filed December 15, 2020 (pending), European Patent Application No. 19729386.3, filed November 13, 2020 (pending), Indian Patent Application No. 20204706248, filed October 23, 2020, Japanese Patent Application No. 2020-558967, filed October 22, 2020, South Korean Patent Application No. 2020-7033157, filed November 18, 2020, and United States Patent Application No. 17/049,916, filed October 22, 2020.

*Licensing Contact:* Peter Soukas, J.D., 301-496-2644; [peter.soukas@nih.gov](mailto:peter.soukas@nih.gov).

*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 for development of a vaccine for respiratory or other infections. For collaboration opportunities, please contact Peter

Soukas, J.D., 301-496-2644; [peter.soukas@nih.gov](mailto:peter.soukas@nih.gov).

Dated: July 8, 2021.

**Anna V. Ganelina,**

*Senior Technology Transfer and Patenting Specialist, Technology Transfer and Intellectual Property Office, National Institute of Allergy and Infectious Diseases.*

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**BILLING CODE 4140-01-P**

**DEPARTMENT OF HOMELAND SECURITY**

**Transportation Security Administration**

**Revision of Agency Information Collection Activity Under OMB Review: TSA Customer Comment Tools**

**AGENCY:** Transportation Security Administration, Homeland Security (DHS).

**ACTION:** 30-Day notice.

**SUMMARY:** This notice announces that the Transportation Security Administration (TSA) has forwarded the Information Collection Request (ICR), Office of Management and Budget (OMB) control number 1652-0030, abstracted below to OMB for a revision of the currently approved collection under the Paperwork Reduction Act (PRA). The ICR describes the nature of the information collection and its expected burden. This collection allows customers to provide feedback to TSA about their experiences with TSA's processes and procedures, to request information or request assistance at the TSA checkpoint, and to report security threats and vulnerabilities.

**DATES:** Send your comments by August 12, 2021. A comment to OMB is most effective if OMB receives it within 30 days of publication.

**ADDRESSES:** Written comments and recommendations for the proposed information collection should be sent within 30 days of publication of this notice to [www.reginfo.gov/public/do/PRAMain](http://www.reginfo.gov/public/do/PRAMain). Find this particular information collection by selecting "Currently under Review—Open for Public Comments" or by using the find function.

**FOR FURTHER INFORMATION CONTACT:** Christina A. Walsh, TSA PRA Officer, Information Technology (IT), TSA-11, Transportation Security Administration, 6595 Springfield Center Drive, Springfield, VA 20598-6011; telephone (571) 227-2062; email [TSAPRA@dhs.gov](mailto:TSAPRA@dhs.gov).

**SUPPLEMENTARY INFORMATION:** TSA published a **Federal Register** notice,

with a 60-day comment period soliciting comments, of the following collection of information on April 13, 2021 (86 FR 19276).

#### Comments Invited

In accordance with the Paperwork Reduction Act of 1995 (44 U.S.C. 3501 *et seq.*), an agency may not conduct or sponsor, and a person is not required to respond to, a collection of information unless it displays a valid OMB control number. The ICR documentation will be made available at <http://www.reginfo.gov> upon its submission to OMB. Therefore, in preparation for OMB review and approval of the following information collection, TSA is soliciting comments to—

(1) Evaluate whether the proposed information requirement 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;

(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 using appropriate automated, electronic, mechanical, or other technological collection techniques or other forms of information technology.

#### Information Collection Requirement

*Title:* TSA Customer Comment Tools.

*Type of Request:* Revision of a currently approved collection.

*OMB Control Number:* 1652-0030.

*Forms(s):* NA.

*Affected Public:* Travelling public.

*Abstract:* The TSA Contact Center (TCC) continues to serve as the main portal of communication for the traveling public. The public may contact the TCC via email or phone to request information, file a complaint—general or Civil Rights and Liberties, compliment, or provide general feedback. With over one million contacts per year, it is crucial for TSA to have the ability to capture this information. TSA's online submission forms are readily available from the Customer Service portion of [tsa.gov](http://tsa.gov). The online forms are easy to use and offer several dropdown menu choices to reduce the burden on the public and increase the quality of data for TSA. Currently, there are four options for the online forms: Complaint and Compliment, Request for Assistance, Request for Information, and Security Issues. The online forms are easy to use and offer several dropdown menu choices to reduce the burden on the

public and increase the quality of data for TSA. TCC provides a receipt to any person who submits an online form.

TSA is revising the information collection, moving from four online forms to six electronic forms. The online form Complaint and Compliment has been broken into two separate distinct online forms. TSA PreCheck™ has been pulled out of the drop down menu of Complaint and given its own online form. Request for Assistance online form has been renamed TSA Cares. The 6 online forms are as follows:

- *Complaint*—passengers may provide a complaint regarding their experiences with TSA security procedures. Passengers may also use this form to file Disability or Civil Rights and Civil Liberties complaints.

- *TSA PreCheck*—passengers may share concerns about not receiving TSA PreCheck on their boarding pass or other concerns.

- *Compliment*—passengers may share how TSA exceeded their expectations.

- *Request for Information*—passengers may submit an inquiry about TSA policies and procedures, such as traveling with medical conditions, prohibited & permitted items, security screening and more.

- *TSA Cares*—passengers may request assistance through the TSA screening checkpoint.

- *Security Issue*—passengers may identify and report suspicious activities and threats. The TCC provides a receipt to any person who submits an electronic form or email to TSA as required by 49 CFR 1503.3(a).

Also, TSA is changing the name of OMB control number 1652-0030 from “TSA Customer Comment Card” to “TSA Customer Comment Tools” to more accurately represent the information collection. In addition, TSA is making non-substantive changes to the paper comment card, updating the appearance—font, TSA insignia and spacing.

*Number of Respondents:* An estimated 88,352 respondents annually.

*Estimated Annual Burden Hours:* An estimated 7,518 hours annually.

**Christina A. Walsh,**

*TSA Paperwork Reduction Act Officer,  
Information Technology.*

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**BILLING CODE 9110-05-P**

## DEPARTMENT OF THE INTERIOR

### Fish and Wildlife Service

[FWS-HQ-MB-2021-N170; FF09M13200/201/FXMB1233090000; OMB Control Number 1018-0172]

#### Agency Information Collection Activities; Submission to the Office of Management and Budget for Review and Approval; Federal Migratory Bird Hunting and Conservation Stamp (Duck Stamp) and Junior Duck Stamp Contests

**AGENCY:** Fish and Wildlife Service, Interior.

**ACTION:** Notice of information collection; request for comment.

**SUMMARY:** In accordance with the Paperwork Reduction Act of 1995 (PRA), we, the U.S. Fish and Wildlife Service (Service), are proposing to renew an information collection with revisions.

**DATES:** Interested persons are invited to submit comments on or before August 12, 2021.

**ADDRESSES:** Written comments and recommendations for the proposed information collection should be sent within 30 days of publication of this notice to [www.reginfo.gov/public/do/PRAMain](http://www.reginfo.gov/public/do/PRAMain). Find this particular information collection by clicking on the link “Currently under Review—Open for Public Comments” or by using the search function. Please provide a copy of your comments to the Service Information Collection Clearance Officer, U.S. Fish and Wildlife Service, MS: PRB/PERMA (JAO/3W), 5275 Leesburg Pike, Falls Church, VA 22041-3803 (mail); or by email to [Info\\_Coll@fws.gov](mailto:Info_Coll@fws.gov). Please reference OMB Control Number 1018-0172 in the subject line of your comments.

#### FOR FURTHER INFORMATION CONTACT:

Madonna L. Baucum, Service Information Collection Clearance Officer, by email at [Info\\_Coll@fws.gov](mailto:Info_Coll@fws.gov), or by telephone at (703) 358-2503. Individuals who are hearing or speech impaired may call the Federal Relay Service at 1-800-877-8339 for TTY assistance. You may also view the information collection request (ICR) at <http://www.reginfo.gov/public/do/PRAMain>.

**SUPPLEMENTARY INFORMATION:** In accordance with the Paperwork Reduction Act of 1995 (PRA, 44 U.S.C. 3501 *et seq.*) and 5 CFR 1320.8(d)(1), we provide the general public and other Federal agencies with an opportunity to comment on new, proposed, revised, and continuing collections of