

stability and durability, potentially reducing the frequency of booster shots.

- **Platform for Future Vaccine Development:** The stabilization techniques used in this technology could be applied to other vaccine formulations, paving the way for more robust and effective vaccines against various pathogens.

**Competitive Advantages:**

- Provides enhanced stability and efficacy in norovirus VLP vaccines, ensuring effectiveness even in individuals with strong immune responses who have previously shown limited vaccine response.
- Its innovative design increases the VLPs' resistance to degradation, offering a more durable and reliable option for large-scale immunization programs.

**Development Stage:**

- Pre-Clinical.

**Inventors:** Lisa Lindesmith, Ralph Baric, George Georgiou, Peter Kwong, Raffaello Veradi, Yaroslav Tsybovsky, Jason Gorman, Gwo-Yu Chuang and Li Ou, all of NIAID.

**Publications:** Lu, Yuan et al. "Assessing sequence plasticity of a virus-like nanoparticle by evolution toward a versatile scaffold for vaccines and drug delivery." *Proceedings of the National Academy of Sciences of the United States of America* vol. 112,40 (2015): 12360–5. DOI: 10.1073/pnas.1510533112 at <https://doi.org/10.1073/pnas.1510533112>; Porta, Claudine et al. "Rational engineering of recombinant picornavirus capsids to produce safe, protective vaccine antigen." *PLoS pathogens* vol. 9,3 (2013): e1003255. DOI: 10.1371/journal.ppat.1003255 at <https://doi.org/10.1371/journal.ppat.1003255>; Mateo, Roberto et al. "Engineering viable foot-and-mouth disease viruses with increased thermostability as a step in the development of improved vaccines." *Journal of virology* vol. 82,24 (2008): 12232–40. DOI: 10.1128/JVI.01553-08 at <https://doi.org/10.1128/jvi.01553-08>; Bertolotti-Ciarlet, Andrea et al. "Structural requirements for the assembly of Norwalk virus-like particles." *Journal of virology* vol. 76,8 (2002): 4044–55. DOI: 10.1128/jvi.76.8.4044-4055.2002 at <https://doi.org/10.1128/jvi.76.8.4044-4055.2002>; Prasad, B V et al. "X-ray crystallographic structure of the Norwalk virus capsid." *Science (New York, N.Y.)* vol. 286,5438 (1999): 287–90. DOI: 10.1126/science.286.5438.287 at <https://doi.org/10.1126/science.286.5438.287>.

**Intellectual Property:** HHS Reference No. E-178-2019-0; U.S. Provisional Patent Application No. 63/091,824, filed on October 14, 2020; PCT Patent

Application No. PCT/US2021/55018, filed October 14, 2021; U.S. National Stage patent application, U.S. 18/031,602, filed April 12, 2023.

**Licensing Contact:** To license this technology, please contact Brian Bailey, Ph.D.; 240-669-5128 or 301-201-9217; [bbailey@mail.nih.gov](mailto:bbailey@mail.nih.gov), and reference E-178-2019.

**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 Brian Bailey, Ph.D.; 240-669-5128 or 301-201-9217; [bbailey@mail.nih.gov](mailto:bbailey@mail.nih.gov).

Dated: December 5, 2023.

**Surekha Vathyam,**

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

[FR Doc. 2023-27112 Filed 12-8-23; 8:45 am]

**BILLING CODE 4140-01-P**

## DEPARTMENT OF HEALTH AND HUMAN SERVICES

### National Institutes of Health

#### National Cancer Institute; Amended Notice of Meeting

Notice is hereby given of a change in the meeting of the National Cancer Institute Special Emphasis, Panel SEP-1: NCI Clinical and Translational Cancer Research, February 7, 2024, 9:00 a.m. to February 7, 2024, 5:00 p.m., National Cancer Institute Shady Grove, 9609 Medical Center Drive, Room 7W108, Rockville, Maryland, 20850 which was published in the **Federal Register** on November 17, 2023, FR Doc. 2023-25490, 88 FR 80322.

This notice is being amended to change the meeting date from February 7, 2024, to February 20, 2024. The meeting location and time will stay the same. The meeting is closed to the public.

Dated: December 5, 2023.

**Melanie J. Pantoja,**

*Program Analyst, Office of Federal Advisory Committee Policy.*

[FR Doc. 2023-27069 Filed 12-8-23; 8:45 am]

**BILLING CODE 4140-01-P**

## DEPARTMENT OF HOMELAND SECURITY

### Federal Emergency Management Agency

[Docket ID: FEMA-2023-0033; OMB No. 1660-NW171]

#### Agency Information Collection Activities: Proposed Collection, Comment Request; Generic Clearance for FEMA's Collection of Feedback on Customer Satisfaction and Disaster Recovery

**AGENCY:** Federal Emergency Management Agency, Department of Homeland Security.

**ACTION:** 60-Day notice of new collection and request for comments.

**SUMMARY:** The Federal Emergency Management Agency (FEMA), as part of its continuing effort to reduce paperwork and respondent burden, invites the general public to take this opportunity to comment on a new information collection. In accordance with the requirements of the Paperwork Reduction Act of 1995, this notice seeks comments concerning a generic clearance to collect feedback from applicants on service delivery and their subsequent disaster recovery.

**DATES:** Comments must be submitted on or before February 9, 2024.

**ADDRESSES:** To avoid duplicate submissions to the docket, please submit comments at [www.regulations.gov](http://www.regulations.gov) under Docket ID FEMA-2023-0033. Follow the instructions for submitting comments.

All submissions received must include the agency name and Docket ID. Regardless of the method used to submitting comments or material, 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. Therefore, submitting this information makes it public. You may wish to read the Privacy and Security Notice that is available via a link on the homepage of [www.regulations.gov](http://www.regulations.gov).

**FOR FURTHER INFORMATION CONTACT:** Kristin Brooks, Statistician, FEMA's Recovery Reporting and Analytics Division, Customer Survey and Analysis Section, at (202) 826-6291 or [Kristin.Brooks@fema.dhs.gov](mailto:Kristin.Brooks@fema.dhs.gov). You may contact the Information Management Division for copies of the proposed collection of information at email address: [FEMA-Information-Collections-Management@fema.dhs.gov](mailto:FEMA-Information-Collections-Management@fema.dhs.gov).

**SUPPLEMENTARY INFORMATION:** Executive Order 12862, "Setting Customer Service