

created an immense public health, social, and economic burden. Variants of concern continue to emerge that have increased transmissibility, pathogenicity, or both and that reduce the effectiveness of current therapeutics and vaccines. Thus, there is a great need for broadly protective therapeutics.

This technology relates to two monoclonal antibodies targeting the spike protein of SARS-CoV-2 that between the two have picomolar activity against wild-type SARS-CoV-2 and the Alpha, Beta, Delta, and Omicron variants of concern. Additionally, one of the antibodies recognizes a highly-conserved epitope of the spike protein. Treatment with either monoclonal antibody before or after challenge with SARS-CoV-2 reduced symptoms and viral load in nasal turbinate and lung tissue in the golden Syrian hamster model. This monoclonal antibody technology has great potential to treat SARS-CoV-2 infections and may provide protection against future variants of concern.

This technology is available for licensing for commercial development in accordance with 35 U.S.C. 209 and 37 CFR part 404.

#### Potential Commercial Applications

- Treatment for SARS-CoV-2 infection
- Prophylaxis treatment to prevent or reduce SARS-CoV-2 infection
- Diagnostic for SARS-CoV-2 infection

#### Competitive Advantages

- Broad and potent neutralization of several variants of concern, including Omicron

#### Development Stage

- In vivo data assessment (animal)

*Inventors:* Zhaochun Chen (NIAID); Patrizia Farci (NIAID); Kamille West (CC); Peng Zhang (NIAID); Paolo Lusso (NIAID); Ulla Buchholz (NIAID); Yumiko Matsuoka (NIAID).

*Intellectual Property:* HHS Reference No. E-132-2021- U.S. Provisional Application No. 63/296,380, filed January 4, 2022.

*Licensing Contact:* To license this technology, please contact Elizabeth Pitts, Ph.D., 240-669-5299; [elizabeth.pitts@nih.gov](mailto:elizabeth.pitts@nih.gov), and reference E-132-2021.

*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 Elizabeth Pitts, Ph.D., 240-669-5299; [elizabeth.pitts@nih.gov](mailto:elizabeth.pitts@nih.gov).

Dated: February 1, 2022.

**Surekha Vathyam,**

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

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**BILLING CODE 4140-01-P**

## DEPARTMENT OF HEALTH AND HUMAN SERVICES

### National Institutes of Health

#### National Institute of Neurological Disorders and Stroke; Notice of Closed Meetings

Pursuant to section 10(d) of the Federal Advisory Committee Act, as amended, notice is hereby given of the following meetings.

The meetings will be closed to the public in accordance with the provisions set forth in sections 552b(c)(4) and 552b(c)(6), Title 5 U.S.C., 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 Institute of Neurological Disorders and Stroke Special Emphasis Panel; NST 1 Member SEP.

*Date:* March 1, 2022.

*Time:* 9:00 a.m. to 12:00 p.m.

*Agenda:* To review and evaluate grant applications.

*Place:* National Institutes of Health, Neuroscience Center, 6001 Executive Boulevard, Rockville, MD 20852 (Virtual Meeting).

*Contact Person:* William C. Benzing, Ph.D., Scientific Review Officer, Scientific Review Branch, Division of Extramural Activities, NINDS, NIH, NSC, 6001 Executive Boulevard, Suite 3204, MSC 9529, Rockville, MD 20852, 301-496-0660, [benzingw@mail.nih.gov](mailto:benzingw@mail.nih.gov).

*Name of Committee:* National Institute of Neurological Disorders and Stroke Special Emphasis Panel; BRAIN Initiative: Team-Research BRAIN Circuit Programs U19 Review.

*Date:* March 8-11, 2022.

*Time:* 10:00 a.m. to 7:00 p.m.

*Agenda:* To review and evaluate grant applications.

*Place:* National Institutes of Health, Neuroscience Center, 6001 Executive Boulevard, Rockville, MD 20852 (Virtual Meeting).

*Contact Person:* Tatiana Pasternak, Ph.D., Scientific Review Officer, Scientific Review Branch, Division of Extramural Activities, NINDS/NIH, NSC, 6001 Executive Boulevard, Suite 3208, MSC 9529, Rockville, MD 20852, 301-496-9223, [tatiana.pasternak@nih.gov](mailto:tatiana.pasternak@nih.gov).

*Name of Committee:* National Institute of Neurological Disorders and Stroke Special Emphasis Panel; Biomarkers for the Lewy Body Dementias.

*Date:* March 11, 2022.

*Time:* 10:00 a.m. to 6:00 p.m.

*Agenda:* To review and evaluate grant applications.

*Place:* National Institutes of Health, Neuroscience Center, 6001 Executive Boulevard, Rockville, MD 20852 (Virtual Meeting).

*Contact Person:* Joel A. Saydoff, Ph.D., Scientific Review Officer, Scientific Review Branch, Division of Extramural Activities, NINDS/NIH, NSC, 6001 Executive Boulevard, Room 3205, MSC 9529, Rockville, MD 20852, 301-496-9223, [joel.saydoff@nih.gov](mailto:joel.saydoff@nih.gov).

(Catalogue of Federal Domestic Assistance Program Nos. 93.853, Clinical Research Related to Neurological Disorders; 93.854, Biological Basis Research in the Neurosciences, National Institutes of Health, HHS)

Dated: February 1, 2022.

**Tyeshia M. Roberson-Curtis,**

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

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## DEPARTMENT OF HOMELAND SECURITY

### Federal Emergency Management Agency

[Docket ID FEMA-2020-0016]

#### Plan of Action To Establish a National Strategy for the Coordination of National Multimodal Healthcare Supply Chains To Respond to COVID-19; Implemented Under the Voluntary Agreement for the Manufacture and Distribution of Critical Healthcare Resources Necessary To Respond to a Pandemic Under Section 708 of the Defense Production Act

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

**ACTION:** Notice.

**SUMMARY:** The Federal Emergency Management Agency (FEMA) is publishing the text of one additional Plan of Action under the Voluntary Agreement for the Manufacture and Distribution of Critical Healthcare Resources Necessary to Respond to a Pandemic: Plan of Action to Establish a National Multimodal Healthcare Supply Chains to Respond to COVID-19.

**FOR FURTHER INFORMATION CONTACT:** Robert Glenn, Office of Business,