

## DEPARTMENT OF HEALTH AND HUMAN SERVICES

### National Institutes of Health

#### National Institute of Diabetes and Digestive and Kidney Diseases; Notice of Closed Meeting

Pursuant to section 1009 of the Federal Advisory Committee Act, as amended, notice is hereby given of the following meeting.

The meeting 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 Diabetes and Digestive and Kidney Diseases Special Emphasis Panel; HIV COMORBIDITIES AND RESERVOIRS.

*Date:* November 8, 2024.

*Time:* 10:00 a.m. to 5:00 p.m.

*Agenda:* To review and evaluate grant applications.

*Place:* National Institutes of Health, NIDDK, Democracy II, Suite 7000A, 6707 Democracy Boulevard, Bethesda, MD 20892 (Virtual Meeting).

*Contact Person:* Maria E. Davila-Bloom, Ph.D., Scientific Review Officer, National Institute of Diabetes and Digestive and Kidney Diseases, National Institutes of Health, 6707 Democracy Boulevard, Rm. 7017, Bethesda, MD 20892-5452, (301) 594-7637, [davila-bloom@extra.nidk.nih.gov](mailto:davila-bloom@extra.nidk.nih.gov). (Catalogue of Federal Domestic Assistance Program Nos. 93.847, Diabetes, Endocrinology and Metabolic Research; 93.848, Digestive Diseases and Nutrition Research; 93.849, Kidney Diseases, Urology and Hematology Research, National Institutes of Health, HHS)

Dated: September 18, 2024.

**Miguelina Perez,**

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

[FR Doc. 2024-21736 Filed 9-23-24; 8:45 am]

**BILLING CODE 4140-01-P**

## DEPARTMENT OF HEALTH AND HUMAN SERVICES

### National Institutes of Health

#### National Institute of General Medical Sciences; Notice of Closed Meeting

Pursuant to section 1009 of the Federal Advisory Committee Act, as amended, notice is hereby given of the following meeting.

The meeting 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 General Medical Sciences Special Emphasis Panel; Review of Support for Research Excellence (SuRE) Program and Support for Research Excellence—First Independent Research (SuRE-First) Award (R16).

*Date:* October 31–November 1, 2024.

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

*Agenda:* To review and evaluate grant applications.

*Place:* National Institutes of Health, National Institute of General Medical Sciences, Natcher Building, 45 Center Drive, Bethesda, Maryland 20892 (Virtual Meeting).

*Contact Person:* John J. Laffan, Ph.D., Scientific Review Officer, Office of Scientific Review, National Institute of General Medical Sciences, National Institutes of Health, Natcher Building, 45 Center Drive, Room 3AN18J, Bethesda, Maryland 20892, 301-594-2773, [laffanjo@mail.nih.gov](mailto:laffanjo@mail.nih.gov).

(Catalogue of Federal Domestic Assistance Program No. 93.859, Biomedical Research and Research Training, National Institutes of Health, HHS)

Dated: September 18, 2024.

**Miguelina Perez,**

*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:** Haiqing Li at 240-627-3708, or [\[mail.nih.gov\]\(mailto:mail.nih.gov\). 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.](mailto:lihai@</a></p>
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**SUPPLEMENTARY INFORMATION:** Technology description follows:

#### Monoclonal Antibodies That Bind to the Underside of Influenza Viral Neuraminidase

##### Description of Technology

Current influenza vaccines mainly induce antibodies against the surface glycoprotein hemagglutinin (HA) that block viral attachment to its host receptors and viral membrane fusion to the host cell. The immunodominant head region of HA undergoes antigenic drift and antibodies directed to the head confer little cross-protections between strains or subtypes.

Researchers at the Vaccine Research Center of the National Institute of Allergy and Infectious Diseases have identified human monoclonal antibodies that each bind distinct epitopes on the less abundant yet critical viral surface glycoprotein neuraminidase (NA). These antibodies, isolated from convalescent individuals with confirmed influenza A H3N2 infection, inhibit viral propagation of a wide range of human H3N2, swine-origin variant H3N2, and H2N2 viruses and confer pre-exposure and post-exposure protection from lethal H3N2 infection in mice. Cryo-electron microscopy revealed that two of these antibodies bind non-overlapping epitopes covering the underside of the NA head, thus defining a potential vaccine target.

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

- Prevention or treatment of influenza infection
- Testing influenza antigens

##### Competitive Advantages

- Improved breadth of protection relative to influenza HA-targeting antibodies

*Development Stage:* Preclinical.

*Inventors:* Masaru Kanekiyo (NIAID), Sarah Andrews (NIAID), Julia Lederhofer (NIAID), Yaroslav Tsybovsky (Leidos Biomedical Research).