

to licensing should be directed to Andrew Burke, Ph.D., Senior Technology Transfer Manager, NCI, Technology Transfer Center, Email: [burkear@mail.nih.gov](mailto:burkear@mail.nih.gov) or Phone: 240-276-5484.

**SUPPLEMENTARY INFORMATION:** Success in immunotherapy is often attributable to the reactivity of patient T-cells to specific mutated peptide(s) found in the patient's tumor known as neoepitopes. In the development of patient-specific immunotherapies, there is no consistent standard for prioritizing such neoepitopes. Current models arrive at a ranked list of potential candidates by removing epitopes based on pre-determined criteria which might lead to the elimination of known reactive neoepitopes. Identification, prioritization and targeting of patient neoepitopes are crucial for developing effective, personalized treatments. Ranking or prioritizing neoepitopes is especially important when trying to construct a cancer vaccine that will elicit a therapeutically beneficial immune response. Accordingly, scientists at the NCI created a novel approach to identify and prioritize patient neoantigens. This model uses a training dataset of known neoantigens from patient screening and determines features of importance to epitope recognition using both reactive and non-reactive epitopes. The machine learning algorithm scores epitopes for their likelihood of reactivity and provides a stable, reproducible method to prioritize epitopes that can be used anywhere.

This Notice is in accordance with 35 U.S.C. 209 and 37 CFR part 404.

*NIH Reference Number:* E-022-2024-0.

### Potential Commercial Applications

- Oncology.
- Prioritization of neoantigens for the development of effective personalized therapies:
  - Cancer vaccines.
  - TIL and T-cell receptor therapies.
- Add-on to current color fundus imaging modalities.

### Competitive Advantages

- Model is trained using a dataset of verified neoantigens from patient tumor data.
- Model is unbiased because it does not use prior assumptions about what features a neoepitope should have.
- Uses two models (MMP and NMER model) as a more reproducible approach than a single model.
- Particularly useful for prioritizing epitopes for patients with large numbers of mutations.

*Publication:* A machine learning model for ranking candidate HLA class I neoantigens based on known neoepitopes from multiple human tumor types. (PMID: 34927080).

*Product Type:* Research Tool.  
*Development Stage:* Prototype.  
*Therapeutic Area(s):* Cancer.

Dated: November 8, 2024.

**Richard U. Rodriguez,**

*Associate Director, Technology Transfer Center, National Cancer Institute.*

[FR Doc. 2024-26464 Filed 11-13-24; 8:45 am]

**BILLING CODE 4140-01-P**

## DEPARTMENT OF HEALTH AND HUMAN SERVICES

### National Institutes of Health

#### National Cancer Institute; Notice of Meeting

Pursuant to section 1009 of the Federal Advisory Committee Act, as amended, notice is hereby given of a meeting of the National Cancer Advisory Board (NCAB) and NCI Board of Scientific Advisors (BSA).

This will be a hybrid meeting held in-person and virtually and will be open to the public as indicated below. Individuals who plan to attend in-person or view the virtual meeting and need special assistance or other reasonable accommodations, should notify the Contact Person listed below in advance of the meeting. The meeting can be accessed from the NIH Videocast at the following link: <https://videocast.nih.gov/>.

A portion of the National Cancer Advisory Board meeting will be closed to the public in accordance with the provisions set forth in section 552b(c)(6), Title 5 U.S.C., as amended. The intramural programs and projects and the discussions could disclose confidential trade secrets or commercial property such as patentable material, and personal information concerning individuals associated with the intramural programs and projects, the disclosure of which would constitute a clearly unwarranted invasion of personal privacy.

*Name of Committee:* National Cancer Advisory Board.

*Date:* December 2, 2024.

*Open:* 6:00 p.m. to 9:00 p.m.

*Agenda:* National Cancer Advisory Board Subcommittee Meetings.

*Place:* Gaithersburg Marriott Washingtonian Center, Room—TBD, 9751 Washington Boulevard, Gaithersburg, MD 20878 (In Person Meeting).

*Contact Person:* Paulette S. Gray, Ph.D., Director, Division of Extramural Activities, National Cancer Institute—Shady Grove,

National Institutes of Health, 9609 Medical Center Drive, 7th Floor, Room. 7W444, Bethesda, MD 20892, 240-276-6340, [grayp@mail.nih.gov](mailto:grayp@mail.nih.gov).

*Name of Committee:* National Cancer Advisory Board.

*Date:* December 3, 2024.

*Closed:* 8:00 a.m. to 8:45 a.m.

*Agenda:* Review of intramural program site visit outcomes and the discussion of confidential personnel issues.

*Place:* National Cancer Institute—Shady Grove, 9609 Medical Center Drive, Room TE406 & 408, Rockville, MD 20850 (In Person and Virtual Meeting).

*Contact Person:* Paulette S. Gray, Ph.D., Director, Division of Extramural Activities, National Cancer Institute—Shady Grove, National Institutes of Health, 9609 Medical Center Drive, 7th Floor, Room. 7W444, Bethesda, MD 20892 240-276-6340, [grayp@mail.nih.gov](mailto:grayp@mail.nih.gov).

*Name of Committee:* National Cancer Advisory Board and NCI Board of Scientific Advisors.

*Date:* December 3, 2024.

*Open:* 9:00 a.m. to 4:00 p.m.

*Agenda:* Joint meeting of the National Cancer Advisory Board and NCI Board of Scientific Advisors, NCI Director's report and presentations, NCI Board of Scientific Advisors Concepts Review.

*Place:* National Cancer Institute—Shady Grove, 9609 Medical Center Drive, Room TE406 & 408, Rockville, MD 20850 (In Person and Virtual Meeting).

*Contact Person:* Paulette S. Gray, Ph.D., Director, Division of Extramural Activities, National Cancer Institute—Shady Grove, National Institutes of Health, 9609 Medical Center Drive, 7th Floor, Room 7W444, Bethesda, MD 20892 240-276-6340 [grayp@mail.nih.gov](mailto:grayp@mail.nih.gov).

Any interested person may file written comments with the committee by forwarding the statement to the Contact Person listed on this notice. The statement should include the name, address, telephone number and when applicable, the business or professional affiliation of the interested person.

In the interest of security, NIH has instituted stringent procedures for entrance onto the NCI-Shady Grove campus. All visitors will be asked to show one form of identification (for example, a government-issued photo ID, driver's license, or passport) and to state the purpose of their visit.

Information is also available on the Institute's/Center's home page: NCAB: <http://deainfo.nci.nih.gov/advisory/ncab/ncab.htm>, BSA: <http://deainfo.nci.nih.gov/advisory/bsa/bsa.htm>, where an agenda and any additional information for the meeting will be posted when available.

(Catalogue of Federal Domestic Assistance Program Nos. 93.392, Cancer Construction; 93.393, Cancer Cause and Prevention Research; 93.394, Cancer Detection and Diagnosis Research; 93.395, Cancer Treatment Research; 93.396, Cancer Biology Research; 93.397, Cancer Centers Support; 93.398, Cancer Research Manpower; 93.399, Cancer Control, National Institutes of Health, HHS)

Dated: November 7, 2024.

**David W. Freeman,**

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

[FR Doc. 2024-26430 Filed 11-13-24; 8:45 am]

**BILLING CODE 4140-01-P**

## DEPARTMENT OF HEALTH AND HUMAN SERVICES

### National Institutes of Health

#### Center for Scientific Review; Notice of Closed Meetings

Pursuant to section 1009 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:* Center for Scientific Review Special Emphasis Panel: Member Conflict: Molecular Genetics and Evolution.

*Date:* December 9, 2024.

*Time:* 12:00 p.m. to 5:00 p.m.

*Agenda:* To review and evaluate grant applications.

*Address:* National Institutes of Health, Rockledge II, 6701 Rockledge Drive, Bethesda, MD 20892 (Virtual Meeting).

*Contact Person:* Linda Wagner Jurata, Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Bethesda, MD 20892, (301) 496-8032, [linda.jurata@nih.gov](mailto:linda.jurata@nih.gov).

*Name of Committee:* Center for Scientific Review Special Emphasis Panel: Biomedical Imaging and Cardiovascular and Surgical Devices.

*Date:* December 10, 2024.

*Time:* 9:00 a.m. to 6:00 p.m.

*Agenda:* To review and evaluate grant applications.

*Address:* National Institutes of Health, Rockledge II, 6701 Rockledge Drive, Bethesda, MD 20892 (Virtual Meeting).

*Contact Person:* Krystyna H. Szymczyk, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Bethesda, MD 20892, (301) 480-4198, [szymczyk@csr.nih.gov](mailto:szymczyk@csr.nih.gov).

*Name of Committee:* Center for Scientific Review Special Emphasis Panel PAR Panel: Countermeasures Against Chemical Threats Exploratory/Developmental and Full Projects.

*Date:* December 10, 2024.

*Time:* 9:30 a.m. to 8:00 p.m.

*Agenda:* To review and evaluate grant applications.

*Address:* National Institutes of Health, Rockledge II, 6701 Rockledge Drive, Bethesda, MD 20892 (Virtual Meeting).

*Contact Person:* Jonathan K. Ivins, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 2190, MSC 7850, Bethesda, MD 20892 (301) 594-1245, [ivinsj@csr.nih.gov](mailto:ivinsj@csr.nih.gov).

*Name of Committee:* Center for Scientific Review Special Emphasis Panel: Member Conflict: Topics in HIV Comorbidities, Coinfections and Associated Cancers.

*Date:* December 10, 2024.

*Time:* 10:00 a.m. to 4:00 p.m.

*Agenda:* To review and evaluate grant applications.

*Address:* National Institutes of Health, Rockledge II, 6701 Rockledge Drive, Bethesda, MD 20892 (Virtual Meeting).

*Contact Person:* Raul Rojas, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 6185, Bethesda, MD 20892, (301) 451-6319, [rojasr@mail.nih.gov](mailto:rojasr@mail.nih.gov).

*Name of Committee:* Center for Scientific Review Special Emphasis Panel: PAR-24-174: Fogarty Global Infectious Disease Research Training Program.

*Date:* December 10, 2024.

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

*Agenda:* To review and evaluate grant applications.

*Address:* National Institutes of Health, Rockledge II, 6701 Rockledge Drive, Bethesda, MD 20892 (Virtual Meeting).

*Contact Person:* Dayadevi Jirage, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 4422, Bethesda, MD 20892, (301) 867-5309, [jjiragedb@csr.nih.gov](mailto:jjiragedb@csr.nih.gov).

*Name of Committee:* Center for Scientific Review Special Emphasis Panel: Member Conflict: Skin and Connective Tissue Sciences.

*Date:* December 10, 2024.

*Time:* 10:00 a.m. to 2:00 p.m.

*Agenda:* To review and evaluate grant applications.

*Address:* National Institutes of Health, Rockledge II, 6701 Rockledge Drive, Bethesda, MD 20892 (Virtual Meeting).

*Contact Person:* Yi-Hsin Liu, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, Bethesda, MD 20892, (301) 435-1781, [liuyh@csr.nih.gov](mailto:liuyh@csr.nih.gov).

*Name of Committee:* Center for Scientific Review Special Emphasis Panel: Member Conflict: Adaptive and Innate Immunity Special Emphasis Panel.

*Date:* December 10, 2024.

*Time:* 12:00 p.m. to 5:00 p.m.

*Agenda:* To review and evaluate grant applications.

*Address:* National Institutes of Health, Rockledge II, 6701 Rockledge Drive, Bethesda, MD 20892 (Virtual Meeting).

*Contact Person:* Susan Daum, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of

Health, 6701 Rockledge Drive, Room 3202, Bethesda, MD 20892, 301-827-7233, [susan.boyle-vavra@nih.gov](mailto:susan.boyle-vavra@nih.gov).

(Catalogue of Federal Domestic Assistance Program Nos. 93.306, Comparative Medicine; 93.333, Clinical Research, 93.306, 93.333, 93.337, 93.393-93.396, 93.837-93.844, 93.846-93.878, 93.892, 93.893, National Institutes of Health, HHS)

Dated: November 8, 2024.

**David W. Freeman,**

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

[FR Doc. 2024-26496 Filed 11-13-24; 8:45 am]

**BILLING CODE 4140-01-P**

## DEPARTMENT OF HEALTH AND HUMAN SERVICES

### National Institutes of Health

#### National Institute of Nursing Research; Notice of Meeting

Pursuant to section 1009 of the Federal Advisory Committee Act, as amended, notice is hereby given of a meeting of the National Advisory Council for Nursing Research.

The meeting will be open to the public as indicated below, with attendance limited to space available. Registration is not required to attend this meeting. Individuals who plan to attend and need special assistance, such as sign language interpretation or other reasonable accommodations, should notify the Contact Person listed below in advance of the meeting. The meeting can be accessed from the NIH Videocast at the following link: <https://videocast.nih.gov/>.

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 intramural programs and projects as well as the grant applications and/or contract proposals 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 and/or contract proposals, the disclosure of which would constitute a clearly unwarranted invasion of personal privacy.

*Name of Committee:* The National Advisory Council for Nursing Research (NACNR).

*Date:* January 28, 2025.

*Open:* 9:00 a.m. to 3:00 p.m.

*Agenda:* Call to Order and Opening Remarks, NINR Director's Report, Discussion of NINR Programs, Council Open Discussion.

*Place:* National Institutes of Health, Building 31, 31 Center Drive, Room 6C, Bethesda, MD 20892 (Hybrid Meeting).