

Disclosure Agreement will be required to receive copies of unpublished patent applications.

SUPPLEMENTARY INFORMATION:
Technology description follows.

Recombinant HIV-1 Envelope Protein for Vaccine Use

Description of Technology

In pursuit of an effective vaccine to end the global HIV-1/AIDS pandemic, researchers at the Vaccine Research Center ("VRC") continue to study the structure of HIV-1. Recently, these researchers have determined the three-dimensional structure of the HIV-1 Envelope trimeric ectodomain ("Env"), comprised of three gp120 and three gp41 subunits, in its prefusion, mature, closed conformation.

The researchers hypothesize that immunization with the prefusion, closed HIV-1 Env protein will elicit a neutralizing immune response. The VRC researchers engineered a portion of the HIV-1 Env trimer to stabilize it in this closed conformation for use as an immunogen.

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

- Vaccine for prevention of HIV-1 infection.
- Therapeutic vaccine for treatment of HIV-1 infection.

Competitive Advantages

- Currently, no licensed HIV-1 vaccine exists.

Development Stage

- In vitro studies characterizing the immunogen and its interaction with HIV antibodies.
- In vivo results including immunogenicity in rabbits and guinea pigs, neutralizing activity of resulting serum.

Inventors: Peter D. Kwong (NIAID), Ivelin S. Georgiev (NIAID), Michael Gordon Joyce (NIAID), Marie L. Pancera (NIAID), Tongqing Zhou (NIAID), Priyamvada Acharya (NIAID), Jason J. Gorman (NIAID), Yongping Yang (NIAID), Aliaksandr A. Druz (NIAID), Guillaume Stewart-Jones (NIAID), Rita Chen (NIAID), Gwo-Yu Chuang (NIAID), Ulrich Baxa (NIAID), John R. Mascola (NIAID), Rebecca M. Lynch (NIAID), Baoshan Zhang (NIAID), Cheng Cheng (NIAID).

Publications: Pancera M., *et al.*
Structure and immune recognition of

trimeric pre-fusion HIV-1 Env. Nature. 2014 Oct 23; 514(7523):455–61. [PMID: 25296255].

Intellectual Property: HHS Reference Number E-178-2014 includes U.S. Provisional Patent Application No. 62/046,059 filed September 4, 2014; U.S. Provisional Patent Application No. 62/136,480 filed March 21, 2015; PCT Application No. PCT/US2015/048729 filed September 4, 2015; U.S. Patent Application No. 15/508,885 filed March 3, 2017; and EPO Patent Application No. 15766697.5 filed March 29, 2017.

Licensing Contact: Dr. Barry Buchbinder, 240-627-3674; barry.buchbinder@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 HIV-1 immunogens for treating or preventing HIV-1 infection. For collaboration opportunities, please contact Dr. Barry Buchbinder, 240-627-3674; barry.buchbinder@nih.gov.

Dated: June 14, 2018.

Suzanne M. Frisbie,

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

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DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Institutes of Health

National Eye Institute; 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 Eye Institute Special Emphasis Panel; NEI Cooperative Agreement (UG1) and Clinical Trial Planning Grant (R34) Applications.

Date: July 13, 2018.

Time: 1:00 p.m. to 4:00 p.m.

Agenda: To review and evaluate cooperative agreement applications.

Place: National Institutes of Health, 5635 Fishers Lane, Bethesda, MD 20892 (Virtual Meeting).

Contact Person: Anne E. Schaffner, Ph.D., Chief, Scientific Review Branch, Division of Extramural Research, National Eye Institute, 5635 Fishers Lane, Suite 1300, MSC 9300, Bethesda, MD 20892-9300, (301) 451-2020, aes@nei.nih.gov.

Name of Committee: National Eye Institute Special Emphasis Panel; NEI Research Project Grant Applications (R01).

Date: July 25, 2018.

Time: 12:00 p.m. to 2:00 p.m.

Agenda: To review and evaluate grant applications.

Place: National Institutes of Health 5635 Fishers Lane, Bethesda, MD 20892 (Telephone Conference Call).

Contact Person: Brian Hoshaw, Ph.D., Scientific Review Officer National Eye Institute National Institutes of Health, Division of Extramural Research 5635 Fishers Lane, Suite 1300, Rockville, MD 20892, 301-451-2020, hoshawb@mail.nih.gov.

(Catalogue of Federal Domestic Assistance Program Nos. 93.867, Vision Research, National Institutes of Health, HHS)

Dated: June 19, 2018.

Natasha M. Copeland,

Program Analyst, Office of Federal Advisory Committee Policy.

[FR Doc. 2018-13413 Filed 6-21-18; 8:45 am]

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DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Institutes of Health

National Institute on Drug Abuse; 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 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 contract proposals, the disclosure of which would constitute a clearly unwarranted invasion of personal privacy.

Name of Committee: National Institute on Drug Abuse Special Emphasis Panel; Receptor Profiling and Predictive Toxicology (8937).

Date: July 19, 2018.

Time: 10:00 a.m. to 12:30 p.m.

Agenda: To review and evaluate contract proposals.

Place: National Institutes of Health, Neuroscience Center, 6001 Executive Boulevard, Rockville, MD 20852 (Telephone Conference Call).