

Office of Technology Transfer, National Institutes of Health, 6011 Executive Boulevard, Suite 325, Rockville, Maryland 20852-3804; telephone: 301/496-7057; fax: 301/402-0220. A signed Confidential Disclosure Agreement will be required to receive copies of the patent applications.

#### **Broadly Cross-Reactive HIV-1 Neutralizing Human Monoclonal Antibodies**

Drs. Dimiter S. Dimitrov and Mei-yun Zhang (NCI), U.S. Provisional Application No. 60/623,394 filed 29 Oct 2004 (DHHS Reference No. E-251-2004/0-US-01) *Licensing Contact*: Sally Hu; 301/435-5606; [hus@mail.nih.gov](mailto:hus@mail.nih.gov).

The invention provides for pharmaceutical compositions of, and methods of using potent cross-reactive human monoclonal antibodies to HIV. Specifically, the invention describes a competitive antigen panning (CAP) method of isolating antibodies that bind to the gp41 subunit of the HIV-1 envelop glycoprotein. Additionally, the invention includes compositions of the aforementioned antibodies and the epitopes recognized by the antibodies. Methods of using the invention in the development of vaccine immunogens for the treatment and prevention of HIV, as well as the detection of HIV in a mammal are also described. The invention has significant implications in the development of HIV inhibitors, vaccines, and research tools for understanding mechanisms of HIV entry. Further development of the disclosed invention may yield novel therapies and methods in the prevention of mother-to-child transmission of HIV, treatment of accidental exposure to HIV, and chronic infection in patients with resistance to current therapies.

In addition to licensing, the technology is available for further development through collaborative research opportunities with the inventors.

#### **Endotoxin-Free Vaccine Candidate for *Moraxella Catarrhalis***

Xin-Xing Gu and Daxin Peng (NIDCD), U.S. Provisional Application No. 60/577,244 filed 04 Jun 2004 (DHHS Reference No. E-174-2004/0-US-01); U.S. Provisional Application No. 60/613,139 filed 23 Sep 23 (DHHS Reference No. E-174-2004/1-US-01), *Licensing Contact*: Susan Ano; 301/435-5515; [anos@mail.nih.gov](mailto:anos@mail.nih.gov).

This invention relates to a strain of *Moraxella catarrhalis* containing a gene mutation that prevents endotoxic lipooligosaccharide (LOS) synthesis and potential use of the mutant for developing novel vaccines against the

pathogen, for which there is currently no licensed vaccine. The mutant is defective in the *lpxA* gene, whose enzyme product is relevant in lipid A biosynthesis (lipid A is part of the LOS). Previous attempts to produce similar mutants for other bacteria were unsuccessful. The nontoxic mutant was found to elicit high levels of antibodies with bactericidal activity and provided protection against wild type bacterial challenge. Use of this mutant bacterium is envisioned as a new approach for vaccines against *M. catarrhalis*.

In addition to licensing, the technology is available for further development through collaborative research opportunities with the inventors.

#### **Single Lipid Nanoparticle**

S. Narasimhan Danthi, King Li, Jianwu Xie (NIH/CC/LDRR), U.S. Provisional Application filed 19 Jan 2005 (DHHS Reference No. E-100-2004/0-US-01), Michael Shmilovich; 301/435-5019; [shmilovm@mail.nih.gov](mailto:shmilovm@mail.nih.gov).

Available for licensing and commercial development are nanoparticle compositions comprising a phospholipid or diphosphatidyl glycerol component, an optional linker and a multifunctional ligand. A patent application has been filed covering the nanoparticle compositions and their methods of use as site-specific imaging or therapeutic agents. The particles are preferably single lipid compounds or single lipid nanoparticles (SLNs) prepared from single lipids (*e.g.*, being a lipid molecule of a single lipid type or of a uniform structural type).

In addition to licensing, the technology is available for further development through collaborative research opportunities with the inventors.

#### **Identification of a G-protein Coupled Receptor, FPR, as a Functional Receptor for the Leukocyte Chemotactic Activity of the Neutrophil Granule Protein Cathepsin G (CaG)**

Ji Ming Wang, Ronghua Sun, Joost Oppenheim, and Ye Zhou (NCI), U.S. Provisional Application No. 60/581,765 filed 23 Jun 2004 (DHHS Reference No. E-281-2003/0-US-01), *Licensing Contact*: Cristina Thalhammer-Reyero; 301/435-4507; [thalhamc@mail.nih.gov](mailto:thalhamc@mail.nih.gov).

This invention relates to methods for identifying peptides of Cathepsin G (CaG), or active variants thereof, which modulate activities of the receptor for bacterial chemotactic formyl peptides (FPR), including chemotactic behavior. It provides methods of designing therapeutic approaches related to the host defense based on the interaction of

CaG and FPR, as CaG binds to FPR to mediate the proinflammatory activities of CaG. The inventive aspects relate to the finding that CaG induces a more partial and selective effects upon activation of FPR to mediate a certain and more limited immunological activity than other agonists that are also capable of binding FPR. The limitations in the activity include not inducing calcium flux, having only a week activation of mitogen-activated protein kinases (MAPKs), and being able to activate certain types of atypical protein kinase C (PKC), such as PKCzeta, while not activating PKCalpha and PKCbeta. These limitations are advantageous in attempting to limit the response in mobilizing the phagocytic leukocyte infiltration to mediate the clearance and repair of damaged tissue while not amplifying the general inflammatory response, which may result in damage to healthy and normal tissue.

The technology is further described in R. Sun *et al.*, "Identification of Neutrophil Granule Protein Cathepsin G as a Novel Chemotactic Agonist for the G Protein-Coupled Formyl Peptide Receptor", *J. Immunol.* 2004 173:428-436.

In addition to licensing, the technology is available for further development through collaborative research with the inventors via a Cooperative Research and Development Agreement (CRADA).

Dated: February 22, 2005.

#### **Steven M. Ferguson,**

*Director, Division of Technology Development and Transfer, Office of Technology Transfer, National Institutes of Health.*

[FR Doc. 05-3965 Filed 3-1-05; 8:45 am]

BILLING CODE 4140-01-P

## **DEPARTMENT OF HEALTH AND HUMAN SERVICES**

### **National Institutes of Health**

#### **National Cancer Institute; Notice of Closed Meeting**

Pursuant to section 10(d) of the Federal Advisory Committee Act, as amended (5 U.S.C. Appendix 2), 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 Cancer Institute Special Emphasis Panel, Early Detection Research Network-Biomarkers Developmental Laboratories.

*Date:* March 23–24, 2005.

*Time:* 8 a.m. to 5 p.m.

*Agenda:* To review and evaluate grant applications.

*Place:* Bethesda Marriott Suites, 6711 Democracy Boulevard, Bethesda, MD 20817.

*Contact Person:* Gerald G. Lovinger, PhD, Scientific Review Administrator, Special Review and Resources Branch, Division of Extramural Activities, National Cancer Institute, National Institutes of Health, 6116 Executive Boulevard, Room 8101, Rockville, MD 20892–7405, 301/496–7987.

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.

(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: February 23, 2005.

**LaVerne Y. Stringfield,**

*Director, Office of Federal Advisory Committee Policy.*

[FR Doc. 05–3964 Filed 3–1–05; 8:45 am]

**BILLING CODE 4140–01–M**

## DEPARTMENT OF HEALTH AND HUMAN SERVICES

### National Institutes of Health

#### National Eye Institute; Notice of Closed Meeting

Pursuant to section 10(d) of the Federal Advisory Committee Act, as amended (5 U.S.C., Appendix 2), 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 Eye Institute Special Emphasis Panel, NEI Review Panel for Career Grant Applications.

*Date:* March 21, 2005.

*Time:* 8 a.m. to 5 p.m.

*Agenda:* To review and evaluate grant applications.

*Place:* Bethesda Marriott, 5151 Pooks Hill Road, Bethesda, MD 20814.

*Contact Person:* Houmam H. Araj, PhD, Scientific Review Administrator, Division of Extramural Research, National Eye Institute, NIH, 5635 Fishers Lane, Suite 1300, Bethesda, MD 20892–9602, 301–451–2020, [haraj@mail.nih.gov](mailto:haraj@mail.nih.gov).

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

Dated: February 23, 2005.

**LaVerne Y. Stringfield,**

*Director, Office of Federal Advisory Committee Policy.*

[FR Doc. 05–3959 Filed 3–1–05; 8:45 am]

**BILLING CODE 4140–01–M**

## DEPARTMENT OF HEALTH AND HUMAN SERVICES

### National Institutes of Health

#### National Eye Institute; Notice of Closed Meeting

Pursuant to section 10(d) of the Federal Advisory Committee Act, as amended (5 U.S.C. Appendix 2), 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 Eye Institute Special Emphasis Panel, NEI Review Panel for Clinical/Epi Grant Applications.

*Date:* March 25, 2005.

*Time:* 8 a.m. to 5 p.m.

*Agenda:* To review and evaluate grant applications.

*Place:* Bethesda Marriott, 5151 Pooks Hill Road, Bethesda, MD 20814.

*Contact Person:* Houmam H. Araj, PhD, Scientific Review Administrator, Division of Extramural Research, National Eye Institute, NIH, 5635 Fishers Lane, Suite 1300, Bethesda, MD 20892–9602, 301–451–2020, [haraj@mail.nih.gov](mailto:haraj@mail.nih.gov).

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

Dated: February 23, 2005.

**LaVerne Y. Stringfield,**

*Director, Office of Federal Advisory Committee Policy.*

[FR Doc. 05–3960 Filed 3–1–05; 8:45 am]

**BILLING CODE 4140–01–M**

## DEPARTMENT OF HEALTH AND HUMAN SERVICES

### National Institutes of Health

#### National Eye Institute; Notice of Closed Meeting

Pursuant to section 10(d) of the Federal Advisory Committee Act, as amended (5 U.S.C. Appendix 2), 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 Eye Institute Special Emphasis Panel, Small Grant for Pilot Research (R03) Applications.

*Date:* March 14–15, 2005.

*Time:* 8:30 a.m. to 12 p.m.

*Agenda:* To review and evaluate grant applications.

*Place:* Georgetown Inn, 1310 Wisconsin Avenue, NW., Washington, DC 20007.

*Contact Person:* Anne E Schaffner, PhD, Scientific Review Administrator, 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](mailto:aes@nei.nih.gov).

(Catalogue of Federal Domestic Assistance Program No. 93.867, Vision Research, National Institutes of Health, HHS.)

Dated: February 23, 2005.

**LaVerne Y. Stringfield,**

*Director, Office of Federal Advisory Committee Policy.*

[FR Doc. 05–3962 Filed 3–1–05; 8:45 am]

**BILLING CODE 4140–01–M**

## DEPARTMENT OF HEALTH AND HUMAN SERVICES

### National Institutes of Health

#### National Heart, Lung, and Blood Institute; Notice of Closed Meeting

Pursuant to section 10(d) of the Federal Advisory Committee Act, as amended (5 U.S.C. Appendix 2), notice