

injected intrathecally in wild-type and Nppb^{-/-} mice. Itch responses were blocked by toxin-mediated ablation of Nppb-receptor-expressing cells, but a second neuropeptide, gastrin-releasing peptide, still induced strong responses in the toxin-treated animals.

Potential Commercial Applications:

- Therapeutics for preventing or treating pruritis/itching.
- Screening of novel Nppb blocking agents.

Competitive Advantages: A new mode of treating itch and itch induced conditions using selective Nppb antagonists.

Development Stage:

- Early-stage
- In vitro data available

Inventors: Mark A. Hoon and Santosh K. Mishra (NIDCR)

Publication: Mishra SK, Hoon MA. The cells and circuitry for itch responses in mice. *Science*. 2013 May 24;340(6135):968–71. [PMID 23704570]

Intellectual Property: HHS Reference No. E–485–2013/0—U.S. Provisional Patent Application No. 61/912,334 filed 05 December 2013

Licensing Contact: Suryanarayana (Sury) Vepa, Ph.D., J.D.; 301–435–5020; vepas@mail.nih.gov

Recombinant Stabilized Prefusion Protein of Respiratory Syncytial Virus for Use as a Subunit Vaccine

Description of Technology: The invention, a stabilized recombinant prefusion F protein (pre F), is a candidate subunit vaccine for Respiratory Syncytial Virus (RSV). Pre-F is stabilized in the prefusion conformation and displays epitopes not present in postfusion F protein. Several potent RSV neutralizing antibodies bind pre F, but not postfusion F. Therefore, immunization with pre F may elicit an immune response superior to the response generated by postfusion F.

NIH researchers have engineered pre F to expose an antigenic site 0, which is targeted by extremely potent RSV neutralizing antibodies. Structure-based design yielded several stabilized variants of pre F that maintained exposure of antigenic site 0 when subjected to extremes of pH, osmolality and temperature.

Preclinical in vivo data on stabilized pre F is available. Immunization of mice and macaques with antigenic site 0 stabilized pre F variants elicited high levels of RSV specific neutralizing activity.

Potential Commercial Applications:

Vaccine for Respiratory Syncytial Virus

Competitive Advantages:

- Vaccine stably exposes antigenic site in RSV F that permits generation of potent RSV neutralizing antibodies.

- There is currently no RSV vaccine on the market.

Development Stage:

- Pre-clinical
- In vivo data available (animal)

Inventors: Jason S. McLellan, Barney S. Graham, Peter D. Kwong (all of VRC/ NIAID)

Publications:

1. McLellan JS, et al. Structure of RSV fusion glycoprotein trimer bound to a prefusion-specific neutralizing antibody. *Science* 2013 May 31;340(6136):1113–7. [PMID 23618766]

2. McLellan JS, et al. Structure-based design of a fusion glycoprotein vaccine for respiratory syncytial virus. *Science* 2013 Nov 1:342 (6158)592–8. [PMID 24179220]

Intellectual Property:

• HHS Reference No. E–081–2013/0—U.S. Application No. 61/780,910 filed 13 March 2013

• HHS Reference No. E–081–2013/1—U.S. Application No. 61/798,389 filed 15 March 2013

• HHS Reference No. E–081–2013/2—U.S. Application No. 61/857,613 filed 23 July 2013

• HHS Reference No. E–081–2013/3—U.S. Application No. 61/863,909 filed 09 August 2013

Licensing Contact: Cristina

Thalhammer-Reyero, Ph.D., M.B.A.; 301–435–4507; ThalhamC@mail.nih.gov

Collaborative Research Opportunity:

The National Institute of Allergy and Infectious Diseases, Vaccine Research Center, is seeking statements of capability or interest from parties interested in collaborative research to further develop, evaluate or commercialize an RSV vaccine based on pre F, a stabilized recombinant RSV F protein. For collaboration opportunities, please contact Rosemary C. Walsh, Ph.D. at 301–541–3528 or rcwalsh@niaid.nih.gov.

Dated: January 16, 2014.

Richard U. Rodriguez,

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

[FR Doc. 2014–01186 Filed 1–22–14; 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 10(d) of the Federal Advisory Committee Act, as amended (5 U.S.C. App.), 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; Hypersensitivity, Autoimmune, and Immune-mediated Disease Overflow.

Date: February 7, 2014.

Time: 8:00 a.m. to 11:30 a.m.

Agenda: To review and evaluate grant applications.

Place: The Westin St. Francis, 335 Powell Street, San Francisco, CA 94102.

Contact Person: Jin Huang, Ph.D., Scientific Review Administrator, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 4095G, MSC 7812, Bethesda, MD 20892, 301–435–1187, jh377p@nih.gov.

Name of Committee: Center for Scientific Review Special Emphasis Panel; Member Conflicts: Liver and Gastrointestinal Physiology & Pathophysiology.

Date: February 11, 2014.

Time: 1:30 p.m. to 5:00 p.m.

Agenda: To review and evaluate grant applications.

Place: National Institutes of Health, 6701 Rockledge Drive, Bethesda, MD 20892, (Telephone Conference Call).

Contact Person: Martha Garcia, Ph.D., Scientific Reviewer Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 2186, Bethesda, MD 20892, 301–435–1243, garciamc@nih.gov.

Name of Committee: Center for Scientific Review Special Emphasis Panel; Molecular Neuroscience.

Date: February 13, 2014.

Time: 1:00 p.m. to 3:00 p.m.

Agenda: To review and evaluate grant applications.

Place: National Institutes of Health, 6701 Rockledge Drive, Bethesda, MD 20892, (Telephone Conference Call).

Contact Person: Laurent Taupenot, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 4811, MSC 7850, Bethesda, MD 20892, 301–435–1203, taupenol@csr.nih.gov.

Name of Committee: Brain Disorders and Clinical Neuroscience Integrated Review Group; Developmental Brain Disorders Study Section.

Date: February 20–21, 2014.

Time: 8:00 a.m. to 5:00 p.m.

Agenda: To review and evaluate grant applications and/or proposals.

Place: Hilton Woodland Hills/Los Angeles, 6360 Canoga Avenue, Woodlands Hills, CA 91367.

Contact Person: Pat Manos, PhD., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 5200, MSC 7846, Bethesda, MD 20892, 301-408-9866, manospa@csr.nih.gov.

Name of Committee: Molecular, Cellular and Developmental Neuroscience Integrated Review Group, Neural Oxidative Metabolism and Death Study Section.

Date: February 20–21, 2014.

Time: 8:00 a.m. to 12:00 p.m.

Agenda: To review and evaluate grant applications.

Place: Fairmont Hotel San Francisco, 950 Mason Street, San Francisco, CA 94108.

Contact Person: Carol Hamelink, PhD., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 4192, MSC 7850, Bethesda, MD 20892, (301) 213-9887, hamelinc@csr.nih.gov.

Name of Committee: Cardiovascular and Respiratory Sciences Integrated Review Group; Clinical and Integrative Cardiovascular Sciences Study Section.

Date: February 20, 2014.

Time: 8:00 a.m. to 6:00 p.m.

Agenda: To review and evaluate grant applications.

Place: The Fairmont Washington, DC, 2401 M Street NW., Washington, DC 20037.

Contact Person: Delvin R Knight, PhD., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 6194, MSC 4128, Bethesda, Md 20892-7814, 301-435-1850, knightdr@csr.nih.gov.

Name of Committee: Cardiovascular and Respiratory Sciences Integrated Review Group, Cardiovascular Differentiation and Development Study Section.

Date: February 20, 2014.

Time: 8:00 a.m. to 6:00 p.m.

Agenda: To review and evaluate grant applications.

Place: Hilton Woodland Hills, 6360 Canoga Avenue, Woodland Hills, CA 91367.

Contact Person: Sara Ahlgren, PhD., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, RM 4136, Bethesda, Md 20817-7814, 301-435-0904, sara.ahlgren@nih.gov.

Name of Committee: Molecular, Cellular and Developmental Neuroscience Integrated Review Group; Molecular Neuropharmacology and Signaling Study Section.

Date: February 20–21, 2014.

Time: 8:00 a.m. to 12:00 p.m.

Agenda: To review and evaluate grant applications.

Place: Lorian Hotel & Spa, 1600 King Street, Alexandria, VA 22314.

Contact Person: Deborah L Lewis, PhD., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 4183, MSC 7850, Bethesda, MD 20892, 301-408-9129, lewisdeb@csr.nih.gov.

Name of Committee: Cardiovascular and Respiratory Sciences Integrated Review Group; Cardiac Contractility, Hypertrophy, and Failure Study Section.

Date: February 20, 2014.

Time: 8:00 a.m. to 7:00 p.m.

Agenda: To review and evaluate grant applications.

Place: Renaissance Mayflower Hotel, 1127 Connecticut Avenue NW., Washington, DC 20036.

Contact Person: Olga A Tjurmina, PhD., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 4030B, MSC 7814, Bethesda, MD 20892, (301) 451-1375, ot3d@nih.gov.

Name of Committee: Center for Scientific Review Special Emphasis Panel; Fellowships: Sensory and Motor Neurosciences, Cognition and Perception.

Date: February 20–21, 2014.

Time: 8:00 a.m. to 5:00 p.m.

Agenda: To review and evaluate grant applications.

Place: Westin Riverwalk, 420 S. Market St., San Antonio, TX 78205.

Contact Person: Sharon S Low, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 5104, MSC 5104, Bethesda, MD 20892-5104, 301-237-1487, lowss@csr.nih.gov.

Name of Committee: Center for Scientific Review Special Emphasis Panel; Fellowships: Neurodevelopment, Synaptic Plasticity and Neurodegeneration.

Date: February 20–21, 2014.

Time: 8:00 a.m. to 5:00 p.m.

Agenda: To review and evaluate grant applications.

Place: Westin Riverwalk, 420 W. Market St., San Antonio, TX 78205.

Contact Person: Mary Schueler, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 5214, MSC 7846, Bethesda, MD 20892, 301-451-0996, maryrgs@csr.nih.gov.

Name of Committee: Emerging Technologies and Training Neurosciences Integrated Review Group; Molecular Neurogenetics Study Section.

Date: February 20–21, 2014.

Time: 8:00 a.m. to 3:00 p.m.

Agenda: To review and evaluate grant applications.

Place: Sir Francis Drake Hotel, 450 Powell St., San Francisco, CA 94102.

Contact Person: Eugene Carstea, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 5194, MSC 7846, Bethesda, MD 20892, (301) 408-9756, carsteae@csr.nih.gov.

Name of Committee: Biobehavioral and Behavioral Processes Integrated Review Group; Adult Psychopathology and Disorders of Aging Study Section.

Date: February 20–21, 2014.

Time: 8:30 a.m. to 5:30 p.m.

Agenda: To review and evaluate grant applications.

Place: Sheraton Crystal City Hotel, 1800 Jefferson Davis Highway, Arlington, VA 22202.

Contact Person: Serena Chu, Ph.D., Scientific Review Officer, BBBP IRG, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 3178,

MSC 7848, Bethesda, MD 20892, (301) 500-5829, sechu@csr.nih.gov.

Name of Committee: Molecular, Cellular and Developmental Neuroscience Integrated Review Group; Cellular and Molecular Biology of Neurodegeneration Study Section.

Date: February 20–21, 2014.

Time: 8:30 a.m. to 4:00 p.m.

Agenda: To review and evaluate grant applications.

Place: Hilton Long Beach and Executive Center, 701 West Ocean Boulevard, Long Beach, CA 90831.

Contact Person: Laurent Taupenot, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 4183, MSC 7850, Bethesda, MD 20892, 301-435-1203, taupenol@csr.nih.gov.

Name of Committee: Center for Scientific Review Special Emphasis Panel; Molecular Mechanisms of Neurodegeneration.

Date: February 20, 2014.

Time: 1:00 p.m. to 2:30 p.m.

Agenda: To review and evaluate grant applications.

Place: Fairmont Hotel San Francisco, 950 Mason Street, San Francisco, CA 94108.

Contact Person: Geoffrey G Schofield, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 4040-A, MSC 7850, Bethesda, MD 20892, 301-435-1235, geoffreys@csr.nih.gov.

Name of Committee: Center for Scientific Review Special Emphasis Panel; Member Conflicts: Biomaterials, Nanotechnology, Drug Screening and Delivery, Bioengineering Sciences.

Date: February 20, 2014.

Time: 1:00 p.m. to 3:00 p.m.

Agenda: To review and evaluate grant applications.

Place: National Institutes of Health, 6701 Rockledge Drive, Bethesda, MD 20892, (Telephone Conference Call).

Contact Person: Ping Fan, MD, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 5154, MSC 7840, Bethesda, MD 20892, 301-408-9971, fanp@csr.nih.gov.

Name of Committee: Center for Scientific Review Special Emphasis Panel; Biochemistry and Biophysics of Membranes.

Date: February 20, 2014.

Time: 1:00 p.m. to 2:00 p.m.

Agenda: To review and evaluate grant applications.

Place: Villa Florence Hotel, 225 Powell Street, San Francisco, CA 94102.

Contact Person: John L Bowers, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 4170, MSC 7806, Bethesda, MD 20892, (301) 435-1725, bowersj@csr.nih.gov.

Name of Committee: Center for Scientific Review Special Emphasis Panel; Biology of Neurodegeneration.

Date: February 20, 2014.

Time: 1:30 p.m. to 2:30 p.m.

Agenda: To review and evaluate grant applications.

Place: Hilton Long Beach and Executive Center, 701 West Ocean Boulevard, Long Beach, CA 90831.

Contact Person: Carole L. Jelsema, Ph.D., Chief and Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 4176, MSC 7850, Bethesda, MD 20892, (301) 435-1248, jelsemac@csr.nih.gov.

Name of Committee: Center for Scientific Review Special Emphasis Panel; Member Conflict: Surgical Sciences and Bioengineering.

Date: February 20, 2014.

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

Agenda: To review and evaluate grant applications.

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

Contact Person: John Firrell, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 5118, MSC 7854, Bethesda, MD 20892, 301-435-2598, firrellj@csr.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, 3.846-93.878, 93.892, 93.893, National Institutes of Health, HHS)

Dated: January 16, 2014.

Carolyn A. Baum,

Program Analyst, Office of Federal Advisory Committee Policy.

[FR Doc. 2014-01191 Filed 1-22-14; 8:45 am]

BILLING CODE 4140-01-P

DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Institutes of Health

National Heart, Lung, and Blood Institute; Notice of Closed Meetings

Pursuant to section 10(d) of the Federal Advisory Committee Act, as amended (5 U.S.C. App.), 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 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 or contract proposals, the disclosure of which would constitute a clearly unwarranted invasion of personal privacy.

Name of Committee: National Heart, Lung, and Blood Institute Special Emphasis Panel Career Development Awards: K01, K08.

Date: February 20-21, 2014.

Time: 8:30 a.m. to 11:00 a.m.

Agenda: To review and evaluate grant applications.

Place: Hilton Crystal City at Washington Reagan National, 2399 Jefferson Davis Hwy, Arlington, VA 22202.

Contact Person: Keith A. Mintzer, Ph.D., Scientific Review Officer, Office of Review Branch/DERA, National Heart, Lung, and Blood Institute, 6701 Rockledge Drive, Room 7186, Bethesda, MD 20892-7924, 301-594-7947, mintzerk@nhlbi.nih.gov.

Name of Committee: National Heart, Lung, and Blood Institute Special Emphasis Panel NHLBI Resource-Related Research Projects for the Human Heart.

Date: February 20, 2014.

Time: 1:00 p.m. to 3:00 p.m.

Agenda: To review and evaluate grant applications.

Place: National Institutes of Health, 6701 Rockledge Drive, Room 7202, Bethesda, MD 20892, (Telephone Conference Call).

Contact Person: Melissa E. Nagelin, Ph.D., Scientific Review Officer, Office of Scientific Review/DERA, National Heart, Lung, and Blood Institute, 6701 Rockledge Drive, Room 7202, Bethesda, MD 20892, 301-594-8518, nagelinmh2@nhlbi.nih.gov.

Name of Committee: National Heart, Lung, and Blood Institute Special Emphasis Panel Value of Information Models.

Date: February 21, 2014.

Time: 10:30 a.m. to 2:30 p.m.

Agenda: To review and evaluate contract proposals.

Place: National Institutes of Health, 6701 Rockledge Drive, Room 7196, Bethesda, MD 20892 (Telephone Conference Call).

Contact Person: Charles Joyce, Ph.D., Scientific Review Officer, Office of Scientific Review/DERA, National Heart, Lung, and Blood Institute, 6701 Rockledge Drive, Room 7196, Bethesda, MD 20892-7924, 301-435-0289, cjoyce@nhlbi.nih.gov.

Name of Committee: National Heart, Lung, and Blood Institute Special Emphasis Panel NHLBI Conference Grant Review (R13).

Date: February 25-26, 2014.

Time: 10:00 a.m. to 3:00 p.m.

Agenda: To review and evaluate grant applications.

Place: National Institutes of Health, 6701 Rockledge Drive, Room 7182, Bethesda, MD 20892 (Virtual Meeting).

Contact Person: Susan Wohler Sunnarborg, Ph.D., Scientific Review Officer, Office of Scientific Review/DERA, National Heart, Lung, and Blood Institute, 6701 Rockledge Drive, Room 7182, 301-443-8788, Bethesda, MD 20892, sunnarborgsw@nhlbi.nih.gov.

Name of Committee: National Heart, Lung, and Blood Institute Special Emphasis Panel NHLBI SBIR Phase I Contract Review, Cardiovascular MRI 81.

Date: February 25, 2014.

Time: 1:00 p.m. to 3:00 p.m.

Agenda: To review and evaluate contract proposals.

Place: National Institutes of Health, 6701 Rockledge Drive, Room 7184, Bethesda, MD 20892 (Telephone Conference Call).

Contact Person: YingYing Li-Smerin, Ph.D., MD, Scientific Review Officer, Office of Scientific Review/DERA, National Heart, Lung, and Blood Institute, 6701 Rockledge

Drive, Room 7184, Bethesda, MD 20892-7924, 301-435-0277, lisermer@nhlbi.nih.gov.

Name of Committee: National Heart, Lung, and Blood Institute Special Emphasis Panel NHLBI SBIR Phase I Contract Review, Cardiovascular MRI 82.

Date: February 25, 2014.

Time: 3:00 p.m. to 5:00 p.m.

Agenda: To review and evaluate contract proposals.

Place: National Institutes of Health, 6701 Rockledge Drive, Room 7184, Bethesda, MD 20892 (Telephone Conference Call).

Contact Person: YingYing Li-Smerin, Ph.D., MD, Scientific Review Officer, Office of Scientific Review/DERA, National Heart, Lung, and Blood Institute, 6701 Rockledge Drive, Room 7184, Bethesda, MD 20892-7924, 301-435-0277, lisermer@nhlbi.nih.gov.

(Catalogue of Federal Domestic Assistance Program Nos. 93.233, National Center for Sleep Disorders Research; 93.837, Heart and Vascular Diseases Research; 93.838, Lung Diseases Research; 93.839, Blood Diseases and Resources Research, National Institutes of Health, HHS)

Dated: January 16, 2014.

Michelle Trout,

Program Analyst, Office of Federal Advisory Committee Policy.

[FR Doc. 2014-01188 Filed 1-22-14; 8:45 am]

BILLING CODE 4140-01-P

DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Institutes of Health

Center For Scientific Review; Amended Notice of Meeting

Notice is hereby given of a change in the meeting of the Center for Scientific Review Special Emphasis Panel, January 23, 2014, 09:00 a.m. to January 24, 2015, 04:00 p.m., National Institutes of Health, 6701 Rockledge Drive, Bethesda, MD, 20892 which was published in the **Federal Register** on December 23, 2013, 78 FR 77474.

The meeting will be held on January 23, 2014 to January 24, 2014. The meeting location and time remain the same. The meeting is closed to the public.

Dated: January 16, 2014.

Carolyn A. Baum,

Program Analyst, Office of Federal Advisory Committee Policy.

[FR Doc. 2014-01190 Filed 1-22-14; 8:45 am]

BILLING CODE 4140-01-P