

bypasses the human metabolic machinery needed to convert the drug into its active metabolite(s).

- Decreased CNS side effects.

**Development Stage:** In vivo data available (animal).

**Inventors:** Irving W. Wainer, Ph.D. (NIA), Carlos A. Zarate, M.D. (NIMH), Ruin Moaddel, Ph.D. (NIA), Michel Bernier (NIA), Michael E. Goldberg, M.D., Marc C. Toriman, Ph.D.

**Publications:**

1. Moaddel R, *et al.* A parallel chiral-achiral liquid chromatographic method for the determination of the stereoisomers of ketamine and ketamine metabolites in the plasma and urine of patients with complex regional pain syndrome. *Talanta*. 2010 Oct. 15;82(5):1892–1904. [PMID 20875593]
2. Zarate CA Jr., *et al.* Relationship of Ketamine's Plasma Metabolites with Response and Diagnosis, and Side Effects in Major Depression. Manuscript in preparation.
3. Ibrahim L, *et al.* Course of Improvement in Depressive Symptoms to a Single Intravenous Infusion of Ketamine vs. Add-on Riluzole: Results from a Four-Week, Double-Blind, Placebo-Controlled Study. *Neuropsychopharmacology*, in press.
4. Zhao X, *et al.* Population Pharmacokinetic Modeling of Ketamine and Three Major Metabolites in Patients with Treatment-Resistant Bipolar Depression. *Br. J. Clin. Pharmacol.*, in press.

**Intellectual Property:** HHS Reference No. E–092–2011/0—U.S. Provisional Application No. 61/547,336 filed 14 Oct. 2011.

**Related Technologies:** HHS Reference No. E–174–2006/0—

- U.S. Patent Application No. 11/688,603 filed 20 Mar. 2007
- Related international applications

**Licensing Contact:** Jaime M. Greene, M.S.; 301–435–5559; [greenegaime@mail.nih.gov](mailto:greenegaime@mail.nih.gov).

**Collaborative Research Opportunity:** The National Institute on Aging, Laboratory of Clinical Investigation, Bioanalytical Chemistry and Drug Discovery Section, is seeking statements of capability or interest from parties interested in collaborative research to further develop, evaluate or commercialize this technology. For collaboration opportunities, please contact Nicole Guyton, Ph.D. at [darackn@mail.nih.gov](mailto:darackn@mail.nih.gov).

## Improved DNA-Protein Vaccination Protocols

**Description of Technology:** Nucleic acid based vaccines are attractive alternatives to conventional vaccines for a number of reasons. One of the issues with nucleic acid based vaccines is the poor immunogenicity in humans. The subject technology is a method for eliciting improved immune responses with DNA based vaccines. The method involves co-administration of a nucleic acid vaccine with a protein vaccine for the same antigen of interest that is encoded by the DNA vaccine in a prime-boost protocol. This methodology increased the immune responses in a SIV macaque model to examine DNA based vaccines of HIV and vaccine protocols. The methodology can potentially be applied to other disease indications to elicit greater immune responses.

**Potential Commercial Applications:** Improve immunogenicity of nucleic acid based vaccines.

**Competitive Advantages:** The methodology increases the immune response of DNA based vaccines.

**Development Stage:**

- Early-stage
- Pre-clinical
- In vitro data available
- In vivo data available (animal)

**Intellectual Property:** HHS Reference No. E–239–2009/0—International PCT Application No. PCT/US2011/026325 filed 25 Feb. 2011.

**Licensing Contact:** Kevin W. Chang, Ph.D.; 301–435–5018; [changke@mail.nih.gov](mailto:changke@mail.nih.gov).

Dated: February 8, 2012.

**Richard U. Rodriguez,**

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

[FR Doc. 2012–3412 Filed 2–13–12; 8:45 am]

**BILLING CODE 4140–01–P**

## 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. App.), notice is hereby given of the following meeting.

The 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, for the review, discussion, and evaluation of individual intramural

programs and projects conducted by the National Eye Institute, including consideration of personnel qualifications and performances, and the competence of individual investigators, the disclosure of which would constitute a clearly unwarranted invasion of personal privacy.

**Name of Committee:** Board of Scientific Counselors, National Eye Institute.

**Date:** March 4–5, 2012.

**Time:** 7:00 PM to 5:00 PM.

**Agenda:** To review and evaluate personal qualifications and performance, and competence of individual investigators.

**Place:** National Institutes of Health, Building 31, 31 Center Drive, Bethesda, MD 20892.

**Contact Person:** Sheldon S. Miller, Ph.D., Scientific Director, National Institutes of Health, National Eye Institute, Bethesda, MD 20892, (301) 451–6763.

In the interest of security, NIH has instituted stringent procedures for entrance onto the NIH campus. All visitor vehicles, including taxicabs, hotel, and airport shuttles will be inspected before being allowed on campus. 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: [www.nei.nih.gov](http://www.nei.nih.gov), where an agenda and any additional information will be posted when available. (Catalogue of Federal Domestic Assistance Program Nos. 93.867, Vision Research, National Institutes of Health, HHS)

Dated: February 8, 2012.

**Jennifer S. Spaeth,**

*Director, Office of Federal Advisory Committee Policy.*

[FR Doc. 2012–3432 Filed 2–13–12; 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 Member Continuous Receipt.

*Date:* February 29, 2012.

*Time:* 1 p.m. to 4 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:* Michael M. Sveda, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 2204, MSC 7890, Bethesda, MD 20892, 301-435-3565, [svedam@csr.nih.gov](mailto:svedam@csr.nih.gov).

*Name of Committee:* Center for Scientific Review Special Emphasis Panel Fellowship: Surgical Sciences, Biomedical Imaging and Bioengineering.

*Date:* March 7, 2012.

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

*Agenda:* To review and evaluate grant applications.

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

*Contact Person:* Weihua Luo, MD, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 5114, MSC 7854, Bethesda, MD 20892, 301-435-1170, [luow@csr.nih.gov](mailto:luow@csr.nih.gov).

*Name of Committee:* Center for Scientific Review Special Emphasis Panel Xenopus Genetics.

*Date:* March 8, 2012.

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

*Agenda:* To review and evaluate grant applications.

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

*Contact Person:* Richard Panniers, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 2212, MSC 7890, Bethesda, MD 20892, (301) 435-1741, [pannierr@csr.nih.gov](mailto:pannierr@csr.nih.gov).

*Name of Committee:* Center for Scientific Review. Special Emphasis Panel Member Conflict: Epidemiology and Genetics of Chronic Diseases.

*Date:* March 8, 2012.

*Time:* 2 p.m. to 3:30 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:* Fungai Chanetsa, MPH, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 3135, MSC 7770, Bethesda, MD 20892, 301-408-9436, [fungai.chanetsa@nih.hhs.gov](mailto:fungai.chanetsa@nih.hhs.gov).

*Name of Committee:* Center for Scientific Review Special Emphasis Panel Fellowships: Behavioral Neuroscience.

*Date:* March 12-13, 2012.

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

*Agenda:* To review and evaluate grant applications.

*Place:* Hotel Palomar, 2121 P Street, NW, Washington, DC 20037.

*Contact Person:* Kristin Kramer, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 5205, MSC 7846, Bethesda, MD 20892, (301) 437-0911, [kramerkm@csr.nih.gov](mailto:kramerkm@csr.nih.gov).

*Name of Committee:* Center for Scientific Review Special Emphasis Panel Small Business: Nephrology.

*Date:* March 12-13, 2012.

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

*Agenda:* To review and evaluate grant applications.

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

*Contact Person:* Atul Sahai, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 2188, MSC 7818, Bethesda, MD 20892, 301-435-1198, [sahaia@csr.nih.gov](mailto:sahaia@csr.nih.gov).

*Name of Committee:* Center for Scientific Review Special Emphasis Panel, Small Business: Clinical Neurophysiology, Devices, Neuroprosthetics, and Biosensors.

*Date:* March 12-13, 2012.

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

*Agenda:* To review and evaluate grant applications.

*Place:* Hotel Nikko San Francisco, 222 Mason Street, San Francisco, CA 94102.

*Contact Person:* Keith Crutcher, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 5207, MSC 7846, Bethesda, MD 20892, 301-435-1278, [crutcherka@csr.nih.gov](mailto:crutcherka@csr.nih.gov).

*Name of Committee:* Center for Scientific Review Special Emphasis Panel, Small Business: Cancer Drug Developments and Therapeutics.

*Date:* March 12-13, 2012.

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

*Agenda:* To review and evaluate grant applications.

*Place:* Renaissance DC Dupont Circle Hotel, 1143 New Hampshire Avenue NW., Washington, DC 20037.

*Contact Person:* Lilia Topol, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 6192, MSC 7804, Bethesda, MD 20892, 301-451-0131, [ltopol@mail.nih.gov](mailto:ltopol@mail.nih.gov).

*Name of Committee:* Center for Scientific Review Special Emphasis Panel Small Business: Biochemistry, Biophysics, and Drug Discovery.

*Date:* March 12, 2012.

*Time:* 8:30 a.m. to 6 p.m.

*Agenda:* To review and evaluate grant applications.

*Place:* Doubletree Hotel Bethesda, (Formerly Holiday Inn Select), 8120 Wisconsin Avenue, Bethesda, MD 20814.

*Contact Person:* Sergei Ruvinov, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 4158, MSC 7806, Bethesda, MD 20892, 301-435-1180, [ruvinser@csr.nih.gov](mailto:ruvinser@csr.nih.gov).

*Name of Committee:* Center for Scientific Review Special Emphasis Panel Biological Chemistry and Macromolecular Biophysics B.

*Date:* March 12-13, 2012.

*Time:* 9 a.m. to 5 p.m.

*Agenda:* To review and evaluate grant applications.

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

*Contact Person:* William A. Greenberg, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 4168, MSC 7806, Bethesda, MD 20892, (301) 435-1726, [greenbergwa@csr.nih.gov](mailto:greenbergwa@csr.nih.gov).

*Name of Committee:* Center for Scientific Review Special Emphasis Panel Epilepsy: Imaging, Surgery and Sleep Disorders.

*Date:* March 12-13, 2012.

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

*Agenda:* To review and evaluate grant applications.

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

*Contact Person:* Suzan Nadi, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 5217B, MSC 7846, Bethesda, MD 20892, 301-435-1259, [nadis@csr.nih.gov](mailto:nadis@csr.nih.gov).

*Name of Committee:* Center for Scientific Review Special Emphasis Panel Fellowships: Risk, Health and Healthcare.

*Date:* March 13-14, 2012.

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

*Agenda:* To review and evaluate grant applications.

*Place:* Residence Inn Bethesda Downtown, 7335 Wisconsin Avenue, Bethesda, MD 20814.

*Contact Person:* Karin F Helmers, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 3166, MSC 7770, Bethesda, MD 20892, 301-254-9975, [helmersk@csr.nih.gov](mailto:helmersk@csr.nih.gov).

*Name of Committee:* Center for Scientific Review Special Emphasis Panel PAR-09-220 and PAR-09-221: Innovations in Biomedical Computational Science and Technology Initiative.

*Date:* March 13, 2012.

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

*Agenda:* To review and evaluate grant applications.

*Place:* Hotel Nikko San Francisco, 222 Mason Street, San Francisco, CA 94102.

*Contact Person:* Keith Crutcher, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 5207, MSC 7846, Bethesda, MD 20892, 301-435-1278, [crutcherka@csr.nih.gov](mailto:crutcherka@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, 93.846-93.878, 93.892, 93.893, National Institutes of Health, HHS)

Dated: February 7, 2012.

**Jennifer S. Spaeth,**

*Director, Office of Federal Advisory Committee Policy.*

[FR Doc. 2012-3434 Filed 2-13-12; 8:45 am]

**BILLING CODE 4140-01-P**

## DEPARTMENT OF HEALTH AND HUMAN SERVICES

### National Institutes of Health

#### National Cancer Institute; Amended Notice of Meeting

Notice is hereby given of a change in the meeting of the National Cancer Advisory Board, February 27, 2012, 6:30 PM to February 29, 2012, 12:00 PM, National Institutes of Health, Building 31, 31 Center Drive, 10, Bethesda, MD 20892 which was published in the **Federal Register** on January 18, 2012, 77 FR 2557-2558.

This notice is being amended to add the NCAB Subcommittee on Clinical Investigations meeting on February 27, 2012, 5 p.m. to 6:30 p.m. at the Hyatt Regency Bethesda Hotel, One Metro Center, Bethesda, MD 20814. The NCAB Ad Hoc Subcommittee on Global Cancer Research will still convene on February 27, 2012, 6:30 p.m. to 8 p.m. The National Cancer Advisory Board meeting has been changed to February 28, 2012 from 9 a.m. to 5 p.m., instead of February 28-29, 2012. The meeting is partially closed to the public.

Dated: February 10, 2012.

**Jennifer S. Spaeth,**

*Director, Office of Federal Advisory Committee Policy.*

[FR Doc. 2012-3430 Filed 2-13-12; 8:45 a.m.]

**BILLING CODE 4140-01-P**

## DEPARTMENT OF HEALTH AND HUMAN SERVICES

### National Institutes of Health

#### National Institute of Neurological Disorders and Stroke 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 materials, 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 Neurological Disorders and Stroke Special Emphasis Panel; Clinical Trial SEP.

*Date:* March 2, 2012.

*Time:* 6 p.m. to 7:30 p.m.

*Agenda:* To review and evaluate grant applications.

*Place:* Hotel Monaco, 700 F Street NW., Washington, DC 20001.

*Contact Person:* Shanta Rajaram, Ph.D., Scientific Review Officer, Scientific Review Branch, Division of Extramural Research, NINDS/NIH/DHHS/Neuroscience Center, 6001 Executive Blvd., Suite 3208, MSC 9529, Bethesda, MD 20892, 301-435-6033, [Rajarams@mail.nih.gov](mailto:Rajarams@mail.nih.gov).

*Name of Committee:* National Institute of Neurological Disorders and Stroke Special Emphasis Panel; K99R00 Conflict Review.

*Date:* March 6, 2012.

*Time:* 2 p.m. to 4 p.m.

*Agenda:* To review and evaluate grant applications.

*Place:* Hotel Palomar, 2121 F Street NW., Washington, DC 20037.

*Contact Person:* JoAnn McConnell, Ph.D., Scientific Review Officer, Scientific Review Branch, Division of Extramural Research, NINDS/NIH/DHHS/Neuroscience Center, 6001 Executive Blvd., Suite 3208, MSC 9529, Bethesda, MD 20892, 301-496-5324, [McConnej@ninds.nih.gov](mailto:McConnej@ninds.nih.gov).

(Catalogue of Federal Domestic Assistance Program Nos. 93.853, Clinical Research Related to Neurological Disorders; 93.854, Biological Basis Research in the Neurosciences, National Institutes of Health, HHS)

Dated: February 7, 2012.

**Jennifer S. Spaeth,**

*Director, Office of Federal Advisory Committee Policy.*

[FR Doc. 2012-3438 Filed 2-13-12; 8:45 am]

**BILLING CODE 4140-01-P**

## DEPARTMENT OF HEALTH AND HUMAN SERVICES

### National Institutes of Health

#### National Institute of Dental & Craniofacial Research; Notice of Closed Meeting

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 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 Dental and Craniofacial Research Special Emphasis Panel; NIDCR U01 application Review.

*Date:* March 7, 2012.

*Time:* 12:30 p.m. to 3 p.m.

*Agenda:* To review and evaluate grant applications.

*Place:* National Institutes of Health, 6701 Democracy Blvd., Bethesda, MD 20892, (Telephone Conference Call).

*Contact Person:* Jayalakshmi Raman, Ph.D., Scientific Review Officer, Scientific Review Branch, National Institute of Dental and Craniofacial Research, One Democracy Plaza Room 670, Bethesda, MD 20892-4878, 301-594-2904, [ramanj@mail.nih.gov](mailto:ramanj@mail.nih.gov).

(Catalogue of Federal Domestic Assistance Program Nos. 93.121, Oral Diseases and Disorders Research, National Institutes of Health, HHS)

Dated: February 8, 2012.

**Jennifer S. Spaeth,**

*Director, Office of Federal Advisory Committee Policy.*

[FR Doc. 2012-3449 Filed 2-13-12; 8:45 am]

**BILLING CODE 4140-01-P**

## DEPARTMENT OF HEALTH AND HUMAN SERVICES

### National Institutes of Health

#### National Human Genome Research 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 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 Inherited Disease Research Access Committee.

*Date:* March 8, 2012.

*Time:* 11:30 a.m. to 1 p.m.

*Agenda:* To review and evaluate grant applications.

*Place:* National Human Genome Research Institute, 5635 Fisher's Lane, Room 4076, Rockville, MD 20892, (Telephone Conference Call).

*Contact Person:* Camilla E. Day, Ph.D., Scientific Review Officer, CIDR, National Human Genome Research Institute, National Institutes of Health, 5635 Fishers Lane, Suite