

vaccines inadvertently harming a recipient due to ADE-mediated effects. Any safe, effective dengue vaccine must produce well-balanced and tetravalent (for all four dengue serotypes) protective immunity. Despite decades of investigative effort there remains no effective, commercially available dengue vaccine and the greatest hurdle has been the difficulty of rapidly inducing this balanced immunity to all four dengue serotypes.

With this invention, CDC researchers have developed a cross-reactivity reduced dengue serotype 1 (DENV-1) DNA vaccine engineered to directly address ADE-related vaccine safety concerns. *In vivo* murine testing of wild-type and cross-reactivity-reduced vaccines demonstrated that this theoretical vaccine safety concern is real and that the cross-reactivity reduced DNA vaccine dramatically reduces dengue vaccination safety risk while increasing protective antibody responses. Properly developed and implemented, this novel vaccination strategy should help overcome this previously-unaddressed hindrance to dengue vaccine development.

*Potential Commercial Applications:*

- Creation of a safe, efficacious and well-balanced dengue virus vaccine
- Improving currently developed/developing dengue vaccines to mitigate potential antibody-dependent enhancement safety issues
- Research tools for vaccine development programs for other flaviviruses, HIV

*Competitive Advantages:*

- Murine *in vivo* studies indicating proof-of-principle, safety and efficacy
- Addresses a long-standing “serotype immunity balancing” issue for dengue vaccine development
- Presently there are no safe, effective commercially available dengue vaccines

*Development Stage:*

- *In vitro* data available
- *In vivo* data available (animal)

*Inventors:* Gwong-Jen Chang, Wayne Crill, Holly Hughes, Brent Davis (all of CDC)

*Publication:*

Crill WD, *et al.* Sculpting humoral immunity through dengue vaccination to enhance protective immunity. *Front Immunol.* 2012 Nov 8;3:334. [PMID 23162552]

*Intellectual Property:* HHS Reference No. E-289-2013/0-

- US Application No. 61/549,348 filed 20 Oct 2011
- PCT Application No. PCT/US2013/060872 filed 18 Oct 2012

*Licensing Contact:* Whitney Blair, J.D., M.P.H.; 301-435-4937; [whitney.blair@nih.gov](mailto:whitney.blair@nih.gov)

Dated: March 19, 2014.

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

[FR Doc. 2014-06404 Filed 3-24-14; 8:45 am]

**BILLING CODE 4140-01-P**

## DEPARTMENT OF HEALTH AND HUMAN SERVICES

### National Institutes of Health

#### National Institute of Diabetes and Digestive and Kidney Diseases; 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:* National Institute of Diabetes and Digestive and Kidney Diseases Special Emphasis Panel, Addressing Health Disparities in NIDDK Diseases.

*Date:* April 4, 2014.

*Time:* 3:00 p.m. to 4:00 p.m.

*Agenda:* To review and evaluate grant applications.

*Place:* National Institutes of Health, Two Democracy Plaza, 6707 Democracy Boulevard, Bethesda, MD 20892, (Telephone Conference Call).

*Contact Person:* Carol J. Goter-Robinson, Ph.D., Scientific Review Officer, Review Branch, DEA, NIDDK, National Institutes of Health, Room 748, 6707 Democracy Boulevard, Bethesda, MD 20892-5452, (301) 594-7791, [goterrobinsonc@extra.nidk.nih.gov](mailto:goterrobinsonc@extra.nidk.nih.gov).

This notice is being published less than 15 days prior to the meeting due to the timing limitations imposed by the review and funding cycle.

*Name of Committee:* National Institute of Diabetes and Digestive and Kidney Diseases Special Emphasis Panel, U01 Coordinating Center.

*Date:* April 22, 2014.

*Time:* 1:00 p.m. to 2:45 p.m.

*Agenda:* To review and evaluate grant applications.

*Place:* National Institutes of Health, Two Democracy Plaza, 6707 Democracy

Boulevard, Bethesda, MD 20892, (Telephone Conference Call).

*Contact Person:* Maria E. Davila-Bloom, Ph.D., Scientific Review Officer, Review Branch, DEA, NIDDK, National Institutes of Health, Room 758, 6707 Democracy Boulevard, Bethesda, MD 20892-5452, (301) 594-7637, [davila-bloomm@extra.nidk.nih.gov](mailto:davila-bloomm@extra.nidk.nih.gov).

*Name of Committee:* National Institute of Diabetes and Digestive and Kidney Diseases Special Emphasis Panel, Translational Research.

*Date:* May 7, 2014.

*Time:* 11:00 a.m. to 1:00 p.m.

*Agenda:* To review and evaluate grant applications.

*Place:* National Institutes of Health, Two Democracy Plaza, 6707 Democracy Boulevard, Bethesda, MD 20892, (Telephone Conference Call).

*Contact Person:* Michele L. Barnard, Ph.D., Scientific Review Officer, Review Branch, DEA, NIDDK, National Institutes of Health, Room 753, 6707 Democracy Boulevard, Bethesda, MD 20892-2542, (301) 594-8898, [barnardm@extra.nidk.nih.gov](mailto:barnardm@extra.nidk.nih.gov).

(Catalogue of Federal Domestic Assistance Program Nos. 93.847, Diabetes, Endocrinology and Metabolic Research; 93.848, Digestive Diseases and Nutrition Research; 93.849, Kidney Diseases, Urology and Hematology Research, National Institutes of Health, HHS).

Dated: March 18, 2014.

**David Clary,**

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

[FR Doc. 2014-06411 Filed 3-24-14; 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; Member Conflict: Neuroscience.

*Date:* April 8, 2014.

*Time:* 10:00 a.m. to 11:30 a.m.

*Agenda:* To review and evaluate grant applications.

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

*Contact Person:* Toby Behar, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 4136, MSC 7850, Bethesda, MD 20892, (301) 435-4433, [behart@csr.nih.gov](mailto:behart@csr.nih.gov).

*Name of Committee:* Center for Scientific Review Special Emphasis Panel; Small Business: HIV/AIDS Innovative Research Applications.

*Date:* April 10, 2014.

*Time:* 11:00 a.m. to 2:00 p.m.

*Agenda:* To review and evaluate grant applications.

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

*Contact Person:* Mark P. Rubert, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 5218, MSC 7852, Bethesda, MD 20892, 301-435-1775, [rubertm@csr.nih.gov](mailto:rubertm@csr.nih.gov).

*Name of Committee:* Center for Scientific Review Special Emphasis Panel; Member Conflict: Adult Psychopathology and Disorders of Aging.

*Date:* April 11, 2014.

*Time:* 2:00 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:* Andrea B. Kelly, Ph.D., Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 3182, MSC 7770, Bethesda, MD 20892, (301) 455-1761, [kellya2@csr.nih.gov](mailto:kellya2@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: March 18, 2014.

**Michelle Trout,**

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

[FR Doc. 2014-06410 Filed 3-24-14; 8:45 am]

**BILLING CODE 4140-01-P**

## DEPARTMENT OF HEALTH AND HUMAN SERVICES

### National Institutes of Health

#### National Cancer 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:* National Cancer Institute Special Emphasis Panel Cancer Etiology (Omnibus).

*Date:* April 16-17, 2014.

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

*Agenda:* To review and evaluate grant applications.

*Place:* National Cancer Institute Shady Grove, Room 5W030, 9609 Medical Center Drive, Rockville, MD 20850, (Telephone Conference Call).

*Contact Person:* Donald L Coppock, Ph.D., Scientific Review Officer, Special Review and Logistics Branch, Division of Extramural Activities, National Cancer Institute, NIH, 9609 Medical Center Drive, Room 7W260, Bethesda, MD 20892-9750 240-276-6382 [donald.coppock@nih.gov](mailto:donald.coppock@nih.gov).

*Name of Committee:* National Cancer Institute Initial Review Group, Subcommittee A—Cancer Centers.

*Date:* May 9, 2014.

*Time:* 8:00 a.m. to 12:45 p.m.

*Agenda:* To review and evaluate grant applications.

*Place:* Bethesda North Marriott Hotel & Conference Center, Montgomery County Conference Center Facility, 5701 Marinelli Road, North Bethesda, MD 20852.

*Contact Person:* Sonya Roberson, Ph.D., Scientific Review Officer, Resources And Training Review Branch, Division Of Extramural Activities, National Cancer Institute, NIH, 9609 Medical Center, Room 7W116, BETHESDA, MD 20892-9750, 240-276-6347 [robersos@mail.nih.gov](mailto:robersos@mail.nih.gov).

*Name of Committee:* National Cancer Institute Special Emphasis Panel, Cancer Center Support Grant.

*Date:* May 9, 2014.

*Time:* 1:45 p.m. to 3:15 p.m.

*Agenda:* To review and evaluate grant applications.

*Place:* Bethesda North Marriott Hotel & Conference Center, Montgomery County Conference Center Facility, 5701 Marinelli Road, North Bethesda, MD 20852.

*Contact Person:* Lynn M. Amende, Ph.D., Scientific Review Officer, Resources and Training Review Branch, Division of Extramural Activities, National Cancer Institute, NIH, 9609 Medical Center Drive, Room 7W112, Bethesda, MD 20892-9750, 240-276-6345 [amendel@mail.nih.gov](mailto:amendel@mail.nih.gov).

Information is also available on the Institute's/Center's home page: <http://deainfo.nci.nih.gov/advisory/irg/irg.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: March 18, 2014.

**Melanie J. Gray,**

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

[FR Doc. 2014-06405 Filed 3-24-14; 8:45 am]

**BILLING CODE 4140-01-P**

## DEPARTMENT OF HEALTH AND HUMAN SERVICES

### National Institutes of Health

#### National Institute of Arthritis and Musculoskeletal and Skin Diseases; 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:* National Institute of Arthritis and Musculoskeletal and Skin Diseases Special Emphasis Panel; Loan Repayment Program Review Panel.

*Date:* April 14, 2014.

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

*Agenda:* To review and evaluate grant applications.

*Place:* National Institutes of Health, One Democracy Plaza, 6701 Democracy Boulevard, Suite 800, Bethesda, MD 20892, (Virtual Meeting).

*Contact Person:* Xincheng Zheng, MD, Ph.D., Scientific Review Officer, Scientific Review Branch, National Institute of Arthritis, Musculoskeletal and Skin Diseases, NIH, 6701 Democracy Boulevard, Suite 800, Bethesda, MD 20892, (301) 594-4953, [xincheng.zheng@nih.gov](mailto:xincheng.zheng@nih.gov).

*Name of Committee:* National Institute of Arthritis and Musculoskeletal and Skin Diseases Special Emphasis Panel; Biomarker Platform Small Business Review.

*Date:* April 15, 2014.

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

*Agenda:* To review and evaluate grant applications.

*Place:* National Institutes of Health, One Democracy Plaza, 6701 Democracy Boulevard, Suite 800, Bethesda, MD 20892, (Telephone Conference Call).

*Contact Person:* Charles H. Washabaugh, Ph.D., Scientific Review Officer, Scientific