

435-3121 or [hewesj@mail.nih.gov](mailto:hewesj@mail.nih.gov) for more information.

### Mapping Internal and Bulk Motion of an Object With Phase Labeling in Magnetic Resonance Imaging

*Description of Technology:* Current MRI methods for tracking the motion of an object over a relatively long period of time requires the use of precisely defined grid points that may be inexact because of limited image resolution or the size of the element being tracked. Phase contrast velocity mapping generally provides high spatial resolution and simple data processing. However, it is generally unsuitable for motion tracking and prone to error. This invention is a cutting edge Magnetic Resonance Imaging (MRI) technique that provides a method for mapping the internal and bulk motion of a specimen by labeling the phase of the specimen magnetization with a selected spatial function and measuring changes in the phase of the magnetization. The special function is selectable to provide magnetization phase modulation corresponding to displacements in a selected direction such as Cartesian or radial or azimuthal direction. This method and associated apparatus is capable of producing images based on magnetization phase modulation using data from stimulated echoes and anti-echoes. This invention has important applications in, among other areas, cardiac functional imaging and can be used to compute accurate strain maps of the heart.

*Inventors:* Anthony H. Aletras and Han Wen (NHLBI).

*Patent Status:* U.S. Patent No. 7,233,818 issued 19 Jun 2007 (HHS Reference No. E-234-1999/3-US-06); U.S. Patent Application No. 11/800,398 filed 03 May 2007 (HHS Reference No. E-234-1999/3-US-08).

*Licensing Status:* Available for non-exclusive licensing.

*Licensing Contact:* Susan Ano, Ph.D.; 301-435-5515; [anos@mail.nih.gov](mailto:anos@mail.nih.gov).

Dated: April 14, 2008.

#### David Sadowski,

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

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**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, April 17, 2008, 3 p.m. to April 17, 2008, 5 p.m. National Institutes of Health, 6701 Rockledge Drive, Bethesda MD 20892 which was published in the **Federal Register** on April 9, 2008, 73 FR 19229.

The meeting will be held April 21, 2008. The meeting time and location remain the same. The meeting is closed to the public.

Dated: April 14, 2008.

#### Jennifer Spaeth,

*Director, Office of Federal Advisory Committee Policy.*

[FR Doc. E8-8452 Filed 4-21-08; 8:45 am]

**BILLING CODE 4140-01-M**

## 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. Appendix 2), 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; Multicausal Models of Physiome Conflict.

*Date:* May 21, 2008.

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

*Agenda:* To review and evaluate grant applications.

*Place:* Georgetown Suites, 1111 30th Street, NW., Washington, DC 20007.

*Contact Person:* Ping Fan, PhD, Scientific Review Administrator, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 5154, MSC 7840, Bethesda, MD 20892, 301-435-1740, [fanp@csr.nih.gov](mailto:fanp@csr.nih.gov).

*Name of Committee:* Immunology Integrated Review Group; Transplantation,

Tolerance, and Tumor Immunology Study Section.

*Date:* May 29-30, 2008.

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

*Agenda:* To review and evaluate grant applications.

*Place:* Hilton Silver Spring, 8727 Colesville Road, Silver Spring, MD 20910.

*Contact Person:* Cathleen L. Cooper, PhD, Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 4208, MSC 7812, Bethesda, MD 20892, 301-435-3566, [cooperc@csr.nih.gov](mailto:cooperc@csr.nih.gov).

*Name of Committee:* Center for Scientific Review Special Emphasis Panel; Member Conflict: Cell Death and Neurodegeneration.

*Date:* June 2, 2008.

*Time:* 2 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:* Alexander Yakovlev, PhD, Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 5206, MSC 7846, Bethesda, MD 20892, 301-435-1254, [yakovleva@csr.nih.gov](mailto:yakovleva@csr.nih.gov).

*Name of Committee:* Center for Scientific Review Special Emphasis Panel; Chronic Fatigue and Fibromyalgia Syndromes, Temporomandibular Disorders.

*Date:* June 4, 2008.

*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:* J. Terrell Hoffeld, DDS, PhD, USPHS Dental Director, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 4116, MSC 7816, Bethesda, MD 20892, 301-435-1781, [th88q@nih.gov](mailto:th88q@nih.gov).

*Name of Committee:* Endocrinology, Metabolism, Nutrition and Reproductive Sciences Integrated Review Group; Cellular Aspects of Diabetes and Obesity Study Section.

*Date:* June 5-6, 2008.

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

*Agenda:* To review and evaluate grant applications.

*Place:* San Francisco Airport Marriott, 1800 Old Bayshore Highway, Burlingame, CA 94010.

*Contact Person:* Ann A. Jerkins, PhD, Scientific Review Officer, Center for Scientific Review, National Institutes of Health, 6701 Rockledge Drive, Room 6154, MSC 7892, Bethesda, MD 20892, (301) 435-4514, [jerkinsa@csr.nih.gov](mailto:jerkinsa@csr.nih.gov).

*Name of Committee:* Health of the Population Integrated Review Group; Nursing Science: Children and Families Study Section.

*Date:* June 5, 2008.

*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.