

Use of HDAC Inhibitors for the Prevention and Cure for Brain Metastases of Cancers

Description of Technology: The increased survival of primary and metastatic cancers consequential of improved therapies has resulted in increased brain metastases. Few treatment options are available for cancer patients with central nervous system (CNS) metastasis. There is a need for new treatment options for CNS metastases especially brain metastases originating outside the CNS.

The present invention provides a method of treating a localized carcinoma CNS metastasis of extra-CNS origin. More specifically, the method comprises of treating a localized carcinoma CNS metastasis of extra-CNS origin with a histone deacetylase (HDAC) inhibitor (HDACI) originating in one or more organs such as lung, breast, liver, colon, and prostate. The HDACI can be any HDACI that is capable of crossing the blood-brain barrier (BBB) such as vorinostat.

Advantages: Vorinostat has been approved by the FDA for the treatment of cutaneous manifestations in patients with cutaneous T-cell lymphoma (CTCL) who have progressive, persistent or recurrent disease on or following two systemic therapies, and as such, has efficacy and tolerability data.

Benefits: More than 40,000 breast cancer deaths are estimated to occur in 2007. Majority of these deaths are due to metastases of the breast cancer. Approximately, 10%–20% of women with metastatic breast cancer are estimated to develop brain metastasis and the median survival after brain cancer metastasis is only one year. This technology may effectively treat breast cancer brain metastases and thus improve overall survival and quality of life of patients suffering from cancer. The current cancer chemotherapeutic market is valued at \$42 billion and expected to grow.

Inventors: Patricia S. Steeg et al. (NCI).

Development Status: *In vivo* animal model data available with vorinostat.

Patent Status: U.S. Provisional Application No. 60/891,856 filed 02 Feb 2007 (HHS Reference No. E-084-2007/0-US-01).

Licensing Contact: John Stansberry; 301/435-5236; stansbej@mail.nih.gov.

Dated: October 11, 2007.

Steven M. Ferguson,

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

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DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Institutes of Health

Notice of Meeting: Secretary's Advisory Committee on Genetics, Health, and Society

Pursuant to Public Law 92-463, notice is hereby given of the fourteenth meeting of the Secretary's Advisory Committee on Genetics, Health, and Society (SACGHS), U.S. Public Health Service. The meeting will be held from 8:30 a.m. to approximately 5:30 p.m. on Monday, November 19, 2007 and 8:30 a.m. to approximately 5:30 p.m. on Tuesday, November 20, 2007, at the Ronald Reagan Building and International Trade Center—1300 Pennsylvania Avenue, NW., Washington, DC 20004. The meeting will be open to the public with attendance limited to space available. The meeting also will be Web cast.

The agenda will focus on three key issues—finalization of the SACGHS report on the opportunities and challenges in realizing the promise of pharmacogenomics; the oversight of genetic testing; and the preparedness of health professionals to incorporate genetic and genomic tests and services into clinical and public health practice. With regard to the oversight of genetic testing, SACGHS' draft report to the Secretary of Health and Human Services will be released for public comment in early November. The Committee will provide an extended period of time during the November meeting for members of the public to provide their perspectives on the oversight issues and comments on the Committee's draft report and recommendations. The Committee will also be briefed about an international analysis of oversight systems for genetic testing with a focus on the U.S. system.

As always, the Committee welcomes hearing from anyone wishing to provide public comment on any issue related to genetics, health and society. Individuals who would like to provide public comment should notify the SACGHS Executive Secretary, Ms. Sarah Carr, by telephone at 301-496-9838 or e-mail at carr@od.nih.gov. The SACGHS office is located at 6705 Rockledge Drive, Suite 750, Bethesda, MD 20892. Anyone planning to attend the meeting who is in need of special assistance, such as sign language interpretation or other reasonable accommodations, is also asked to contact the Executive Secretary.

Under authority of 42 U.S.C. 217a, Section 222 of the Public Health Service

Act, as amended, the Department of Health and Human Services established SACGHS to serve as a public forum for deliberations on the broad range of human health and societal issues raised by the development and use of genetic and genomic technologies and, as warranted, to provide advice on these issues. The draft meeting agenda and other information about SACGHS, including information about access to the Web cast, will be available at the following Web site: <http://www4.od.nih.gov/oba/sacghs.htm>.

Dated: October 17, 2007.

Jennifer Spaeth,

Director, NIH Office of Federal Advisory Committee Policy.

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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. 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: National Cancer Institute Special Emphasis Panel; Small Grants for Behavioral Research in Cancer Control [R03].

Date: November 14, 2007.

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

Agenda: To review and evaluate grant applications.

Place: Hilton Rockville Executive Meeting Center, 1750 Rockville Pike, Rockville, MD 20852.

Contact Person: Rhonda J. Moore, PhD., Scientific Review Administrator, Special Review and Logistics Branch, Division of Extramural Activities, National Cancer Institute, NIH, 6116 Executive Boulevard, Suite 701, Room 7151, Bethesda, MD 20892-8329, 301-451-9385, moorerh@mail.nih.gov.

Name of Committee: National Cancer Institute Special Emphasis Panel; Community Clinical Oncology Program & Minority Based Community Clinical Oncology.