

ACTION: Notice.

SUMMARY: The inventions listed below are owned by agencies of the U.S. Government and are available for licensing in the U.S. in accordance with 35 U.S.C. 207 to achieve expeditious commercialization of results of federally-funded research and development. Foreign patent applications are filed on selected inventions to extend market coverage for companies and may also be available for licensing.

ADDRESSES: Licensing information and copies of the U.S. patent applications listed below may be obtained by writing to the indicated licensing contact at the Office of Technology Transfer, National Institutes of Health, 6011 Executive Boulevard, Suite 325, Rockville, Maryland 20852-3804; telephone: 301/496-7057; fax: 301/402-0220. A signed Confidential Disclosure Agreement will be required to receive copies of the patent applications.

Discovery of Proteins That Are Aberrantly Expressed in Laser Capture Microdissected Human Solid Tumors

Emmanuel Petricoin (FDA), Lance Liotta (NCI), Michael Emmert-Buck (NCI), Yingming Zhao (EM)
DHHS Reference No. E-083-01/0 filed 01 February 2001
Licensing Contact: Matthew Kiser; 301/496-7735 ext. 224; e-mail: kiserem@od.nih.gov

The post-genomic era has created a need for a direct method to monitor the levels of expressed proteins in developing, diseased or genetically altered tissues. Direct monitoring of tissue has proven difficult because of the heterologous, three-dimensional structure. Prior methods for extracting and analyzing biomolecules from tissue subpopulations were complicated, labor intensive, and did not utilize protein stabilizers. There has been no way to directly compare, without the danger of cross-contamination, the spectrum of proteins contained in normal cells with the proteins in tumor cells in a single tissue. Many of the hypotheses regarding altered protein levels in tumor cells have been based on work on cell lines and their viability in culture media. The amount and type of protein expressed by cells in the native tissue environment can be quite different than that of cultured cells. Thus, the need exists for a direct means of measuring protein levels to obtain results reflecting *in vivo* conditions. This technology supplies the means to obtain *in vivo* expression levels.

The present invention describes devices and methods for performing

protein analysis on laser capture microdissected cells, which facilitate proteomic analysis on cells of different populations. The protein content can be determined by any of the standard analytical techniques: immunoassays, 1D and 2D electrophoresis, Western blotting, LCQ-MS, MALDI/TOF, and SELDI. Specific applications include, but are not limited to, analysis of normal versus malignant cells, differential expression determination of cellular proteins at various disease states (e.g. normal, pre-malignant, tumor), and comparison of expression levels of different types of cancers (e.g. esophageal, prostate, breast, ovarian, lung, and colon cancer).

A second embodiment of this technology provides specific examples of tumor or tumor-stage linked protein "fingerprints" and specific proteins identified from these "fingerprints" as being aberrantly expressed in specific diseased cell types. Furthermore, methods of using these "fingerprints", sub-sets thereof, and individual proteins in the diagnosis, prognosis, treatment, treatment selection, and drug development for disease are provided.

Production and Use of Anti-Dorsalizing Morphogenetic Protein

M. Moos Jr., M. Krinks, S. Wang (FDA)
Serial No. 08/335,583 filed 08 Nov 1994,
now US Patent 5,693,779 issued 02 Dec 1997

Licensing Contact: Susan S. Rucker;
301/496-7056 ext. 245; e-mail:
ruckers@od.nih.gov

This patent relates to the identification, isolation and cloning of the cDNA which encodes a protein, Anti-Dorsalizing Morphogenetic Protein-1 (ADMP-1). ADMP-1 is related to the bone morphogenetic proteins and is a member of the TGF beta superfamily. ADMP-1 is involved in the down-regulation of multiple factors related to tissue proliferation and may be useful in inhibiting inappropriate tissue proliferation such as that associated with psoriasis or melanoma.

This work has been published, in part, at Moos, M, et al. "Anti-dorsalizing morphogenetic protein is a novel TGF-beta homolog expressed in the Spemann organizer" *Development* 121(12):4293-301 (Dec 1995).

Dated: May 7, 2001.

Jack Spiegel,

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

[FR Doc. 01-12126 Filed 5-14-01; 8:45 am]

BILLING CODE 4140-01-P

DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Institutes of Health

National Center for Complementary & Alternative Medicine; Notice of Meeting

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 National Advisory Council for Complementary and Alternative Medicine (NACCAM).

The meeting will be open to the public as indicated below, with attendance limited to space available. Individuals who plan to attend and need special assistance, such as sign language interpretation or other reasonable accommodations, should notify the Contact Person listed below in advance of the 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/or 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 and/or contract proposals, the disclosure of which would constitute a clearly unwarranted invasion of personal privacy.

Name of Committee: National Advisory Council for Complementary and Alternative Medicine.

Date: May 31, 2001.

Open: 8 a.m. to 2:45 p.m.

Agenda: The agenda includes the Opening Remarks by Director, NCCAM, reports on NCCAM Intramural Program, NCCAM Health Disparities Plan, IRB Discussion, CAPCAM/ Best Case Series Update, Public Comments, and other business of the Council.

Closed: 2:45 p.m. to adjournment.

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

Place: Natcher Conference Center, 45 Center Drive, Bethesda, MD 20892.

Contact Person: Richard Nahin, Ph.D., Executive Secretary, National Center for Complementary and Alternative Medicine, National Institutes of Health, 6707 Democracy Blvd, Suite 106, Bethesda, MD 20892, 301/496-7801.

The public comments session is scheduled on from 11:15-11:45 a.m. Each speaker will be permitted 5 minutes for their presentation. Interested individuals and representatives of organizations are requested to notify Dr. Richard Nahin, National Center for Complementary and Alternative Medicine, HIH, 6707 Democracy Boulevard, Suite 106, Bethesda, Maryland, 20892, 301-496-

7801, Fax: 301-480-3621. Letters of intent to present comments, along with a brief description of the organization represented, should be received no later than 5 p.m. on May 25, 2001. Only one representative of an organization may present oral comments. Any person attending the meeting who does not request an opportunity to speak in advance of the meeting may be considered for oral presentation, if time permits, and at the discretion of the Chairperson. In addition, written comments may be submitted to Dr. Nahin at the address listed above up to ten calendar days (June 10, 2001) following the meeting.

Copies of the meeting agenda and the roster of members will be furnished upon request by Dr. Richard Nahin, Executive Secretary, NACCAM, National Institutes of Health, 6707 Democracy Boulevard, Suite 106, Bethesda, Maryland 20892, (301) 496-7801, Fax 301-480-3621.

Dated: May 4, 2001.

LaVerne Y. Stringfield,

Director, Office of Federal Advisory Committee Policy, NIH.

[FR Doc. 01-12119 Filed 5-14-01; 8:45 am]

BILLING CODE 4140-01-M

DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Institutes of Health

National Institute of Environmental Health Sciences; 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 Institute of Environmental Health Sciences Special Emphasis Panel Review of RFA TW-01-002, International Training & Research in Environmental & Occupational Health.

Date: June 13-15, 2001.

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

Agenda: To review and evaluate grant applications.

Place: Hawthorne Suites, 300 Meredith Drive, Durham, NC 27713.

Contact Person: Brenda K Weis, Ph.D, Scientific Review Administrator, Scientific Review Branch, Division of Extramural Research and Training, National Institutes of Environmental Health Sciences, P.O. Box 12233, MD/EC-30, Research Triangle Park, NC 27709, 919/541-4964.

Name of Committee: National Institute of Environmental Health Sciences Special Emphasis Panel Review Meeting for RFA 001-002—Toxicogenomics.

Date: June 19-22, 2001.

Time: 7 p.m. to 12 p.m.

Agenda: To review and evaluate grant applications.

Place: Radisson Governors Inn, I-40 and Davis Dr., Exit 280, Research Triangle Park, NC 27709.

Contact Person: Linda K. Bass, Ph.D, Scientific Review Administrator, National Institute of Environmental Health Sciences, P.O. Box 12233, MD EC-30, Research Triangle Park, NC 27709, (919) 541-1307.

(Catalogue of Federal Domestic Assistance Program Nos. 93.113, Biological Response to Environmental Response to Environmental Health Hazards; 93.114, Applied Toxicological Research and Testing; 93.115, Biometry and Risk Estimation—Health Risks from Environmental Exposures; 93.142, NIEHS Hazardous Waste Worker Health and Safety Training; 93.143, NIEHS Superfund Hazardous Substances—Basic Research and Education; 93.894, Resources and Manpower Development in the Environmental Health Sciences, National Institutes of Health, HHS)

Dated: May 4, 2001.

LaVerne Y. Stringfield,

Director, Office of Federal Advisory Committee Policy.

[FR Doc. 01-12118 Filed 5-14-01; 8:45 am]

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DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Institutes of Health

National Institute of Arthritis and Musculoskeletal and Skin Diseases; Notice of Closed Meeting

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 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: Arthritis and Musculoskeletal and Skin Diseases Special Grants Review Committee.

Date: June 19, 2001.

Time: 8:30 a.m. to 3 p.m.

Agenda: To review and evaluate grant applications.

Place: Georgetown Holiday Inn, 2101 Wisconsin Ave, NW., Washington, DC 20007.

Contact Person: John R. Lymangrover, PhD, Scientific Review Administrator, National Institutes of Health, NIAMS, Natcher Bldg., Room 5A525N, Bethesda, MD 20892, 301-594-4952.

(Catalogue of Federal Domestic Assistance Program Nos. 93.846, Arthritis, Musculoskeletal and Skin Diseases Research, National Institutes of Health, HHS)

Dated: May 3, 2001.

LaVerne Y. Stringfield,

Director, Office of Federal Advisory Committee Policy.

[FR Doc. 01-12121 Filed 5-14-01; 8:45 am]

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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. 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: Training Grant and Career Development Review Committee.

Date: June 7-8, 2001.

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

Agenda: To review and evaluate grant applications.

Place: Hotel Washington, 515 15th Street NW, Washington, DC 20004.

Contact Person: Raul A. Saavedra, Ph.D, Scientific Review Administrator, Scientific Review Branch, Division of Extramural Research, NINDS/NIH/DHHS, Neuroscience Center, 6001 Executive Blvd., Suite 3208, MSC 9529, Bethesda, MD 20892-9529, 301-496-9223.

Name of Committee: National Institute of Neurological Disorders and Stroke Initial Review Group Neurological Sciences and Disorders A.