

a single entity (i.e., molecule) having the desired functionality of all of its constituent molecules. Frequently, one of the constituent molecules of a chimeric molecule is a "targeting molecule". The targeting molecule is a molecule such as a ligand or an antibody that specifically binds to its corresponding target, for example a receptor on a cell surface. Thus, for example, where the targeting molecule is an antibody, the chimeric molecule will specifically bind (target) cells and tissues bearing the epitope to which the antibody is directed.

Another constituent of the chimeric molecule may be an "effector molecule". The effector molecule refers to a molecule that is to be specifically transported to the target to which the chimeric molecule is specifically directed. The effector molecule typically has a characteristic activity that is desired to be delivered to the target cell. Effector molecules include cytotoxins, labels, radionuclides, other ligands, drugs, prodrugs, liposome, etc. In particular, where the effector component is a cytotoxin, the chimeric molecule may act as a potent cell-killing agent specifically targeting the cytotoxin to cells bearing a particular target molecule. For example, chimeric fusion protein which include interleukin-4 ("IL-4") or transforming growth factor (RGF α) fused to *Pseudomonas* exotoxin ("PE") or interleukin-2 ("IL-2") fused to Diphtheria toxin ("DT") have been shown to specifically target and kill cancer cells.

Generally, it is desirable to increase specificity and affinity and decrease cross-reactivity of chimeric cytotoxins with targets to be spared in order to increase their efficacy. To the extent a chimeric molecule preferentially selects and binds to its target (e.g., a tumor cell) and not to a non-target (e.g., a healthy cell), side effects of the chimeric molecule will be minimized. Unfortunately, many targets to which chimeric cytotoxins have been directed (e.g., the IL-2 receptor), while showing elevated expression on tumor cells, are also expressed to some extent, and often at significant levels, on healthy cells. Thus, chimeric cytotoxins directed to these targets frequently show adverse side-effects as they bind non-target (e.g., healthy) cells that also express the targeted receptor.

Technology

The technology disclosed in the 08/706,207 patent application is directed to a method and compositions to deliver an effector molecule to tumor cell. Specifically the technology relates to a chimeric molecule that specifically

binds to IL-13 receptors which when combined with a blocker reagent (e.g., interleukin-4, an interleukin-4 antagonist, an interleukin-4 receptor binding antibody etc.) specifically delivers receptor directed cytotoxins to tumors over expressing IL-13 receptors without causing undesired cytotoxicity to normal cells. This is because a variety of human cancer cells including brain tumors, kidney tumors, and AIDS-associated Kaposi's tumors etc. over express private IL-13 receptors and normal cells express low levels of shared IL-13 receptors with IL-4 receptors. IL-13 cytotoxin remains very cytotoxic to cancer cells in the presence of IL-4 receptor blocker agents while cytotoxicity and undesired side effects of cytotoxin administration are prevented in normal cells. This approach provides unique specificity of delivering IL-13 receptor directed cytotoxic agents to cancer cells.

The above mentioned Invention is available for licensing.

Dated: January 12, 2000.

Jack Spiegel, Ph.D.,

Director, Division of Technology Development & Transfer, Office of Technology Transfer.

[FR Doc. 00-1424 Filed 1-20-00; 8:45 am]

BILLING CODE 4140-01-M

DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Institutes of Health

Government-Owned Inventions; Availability for Licensing

AGENCY: National Institutes of Health, Public Health Service, DHHS.

ACTION: Notice.

SUMMARY: The invention listed below is owned by an agency of the U.S. Government and is 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.

ADDRESSES: Licensing information and a copy of the U.S. patent application referenced below may be obtained by contacting J.E. Fahner-Vihtelic at the Office of Technology Transfer, National Institutes of Health, 6011 Executive Boulevard, Suite 325, Rockville, Maryland 20852-3804; Telephone: 301/496-7735 ext. 270; Fax: 301/402-0220; E-mail: jf36z@nih.gov. A signed Confidential Disclosure Agreement is required to receive a copy of any patent application.

Artificial Salivary Gland

Bruce J. Baum et al. (NIDCR)

Serial No. 60/121,335

Filed 24 Feb 1999

The present application describes an artificial fluid secreting prosthetic device for non-invasive insertion and methods of using this device. Specifically, compositions and methods based on the discovery of an artificial fluid secreting prosthesis are disclosed in this application. Currently, there is no conventional effective treatment for salivary gland hypofunction. And although the transplantation of mammalian salivary glands has also been tried, this option has not proven desirable due to lack of sufficient donor supplies. To date, the inventors have performed experiments that have demonstrated: (1) Subjects having irradiated salivary gland cells can be induced to secrete fluid subsequent to transfer of a gene; (2) heterologous genes can be transferred to salivary gland cells; and (3) an artificial gland has been designed having a support, an attachment surface joined to the support, and a monolayer of allogenic cells, engineered to secrete ions and water unidirectionally, joined to the attachment surface.

Dated: January 11, 2000.

Jack Spiegel, Ph.D.,

Director, Division of Technology Development and Transfer, Office of Technology Transfer.

[FR Doc. 00-1425 Filed 1-20-00; 8:45am]

BILLING CODE 4140-01-M

DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Institutes of Health

National Heart, Lung, and Blood 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 Heart, Lung, and Blood Institute Special Emphasis Panel Mentored Clinical Scientist Development Award.

Date: February 7-8, 2000.

Time: 8:00 p.m. to 4:00 p.m.

Agenda: To review and evaluate grant applications.

Place: Chevy Chase Holiday Inn, 5520 Wisconsin Ave., Chevy Chase, MD 20815.

Contact Person: Eric H. Brown, Scientific Review Administrator, NIH, NHLBI, DEA, Rockledge Building II, 6701 Rockledge Drive, Suite 7204, Bethesda, MD 20892-7924, (301) 435-0299, browne@gwgate.nhlbi.nih.gov.

Name of Committee: National Heart Lung, and Blood Institute Special Emphasis Panel Demonstration and Education Research Grant Applicants.

Date: February 24, 2000.

Time: 9:00 a.m. to 4:00 p.m.

Agenda: To review and evaluate grant applications.

Place: Hilton National Airport Hotel, 2399 Jefferson Davis Highway, Arlington, VA 22202.

Contact Person: Louise P. Corman, Scientific Review Administrator, Review Branch, NIH, NHLBI, Rockledge Building II, 6701 Rockledge Drive, Suite 7180, Bethesda, MD 20892-7924, (301) 435-0270.

(Catalogue of Federal Domestic Assistance Programs Nos. 93.233, National Center for Sleep Disorders Research; 93.837, Heart and Vascular Diseases Research; 93.838, Lung Diseases Research; 93.839, Blood Diseases and Resources Research, National Institutes of Health, HHS)

Dated: January 11, 2000.

LaVerne Y. Stringfield,

Director, Office of Federal Advisory Committee Policy.

[FR Doc. 00-1415 Filed 1-20-00; 8:45 am]

BILLING CODE 4140-01-M

DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Institutes of Health

National Institute on Deafness and Other Communication Disorders; 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: Communication Disorders Review Committee.

Date: March 1-2, 2000.

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

Agenda: To review and evaluate grant applications.

Place: Latham Hotel, 3000 M Street, NW., Washington, DC 20007-3701.

Contact Person: Melissa Stick, Scientific Review Administrator, Scientific Review Branch, Division of Extramural Research, NIDCD/NIH, 6120 Executive Blvd., Bethesda, MD 20892, 301-496-8683.

(Catalogue of Federal Domestic Assistance Program Nos. 93.173, Biological Research Related to Deafness and Communicative Disorders, National Institutes of Health, HHS)

Dated: January 13, 2000.

LaVerne Y. Stringfield,

Director, Office of Federal Advisory Committee Policy.

[FR Doc. 00-1412 Filed 1-20-00; 8:45 am]

BILLING CODE 4140-01-M

DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Institutes of Health

National Institute on Alcohol Abuse and Alcoholism; 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 a meeting of the National Advisory Council on Alcohol Abuse and Alcoholism.

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 on Alcohol Abuse and Alcoholism.

Date: February 9-10, 2000.

Closed: February 9, 2000, 7:00 PM to 9:00 PM.

Agenda: To review and evaluate grant applications.

Place: Bethesda Marriott Hotel, 5151 Pooks Hill Road, Bethesda, MD 20814.

Closed: February 10, 2000, 8:15 AM to 9:00 AM.

Agenda: To review and evaluate grant applications.

Place: Natcher Building, 45 Center Drive, Conference Rooms E1/E2, Bethesda, MD 20892.

Open: February 10, 2000, 9:00 AM to 3:00 PM.

Agenda: Program documents.

Place: Natcher Building, 45 Center Drive, Conference Rooms E1/E2, Bethesda, MD 20892.

Contact Person: James F. Vaughan, Executive Secretary, National Institute on Alcohol Abuse and Alcoholism, National Institutes of Health, PHS, DHHS, Bethesda, MD 20892.

(Catalogue of Federal Domestic Assistance Program Nos. 93.271, Alcohol Research Career Development Awards for Scientists and Clinicians; 93.272, Alcohol National Research Service Awards for Research Training; 93.273, Alcohol Research Programs; 93.891, Alcohol Research Center Grants, National Institutes of Health, HHS)

Dated: January 13, 2000.

LaVerne Y. Stringfield,

Director, Office of Federal Advisory Committee Policy.

[FR Doc. 00-1413 Filed 1-20-00; 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 Hazardous Materials Worker Health and Safety Training (RFA-99-009).

Date: February 22-24, 2000.

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

Agenda: To review and evaluate grant applications.

Place: Hawthorn Suites Hotel, 300 Meredith Drive, Durham, NC 27713.

Contact Person: Michael A. Oxman, Scientific Review Administrator, NIEHS,