examples of the degree of signal amplification that can result; switching the conductance state of a single channel can influence the transmembrane movement of millions of ions per second. Both stimulatory (Ca^{2t} and CaMKII) and inhibitory ($Ins(3,4,5,6)P_4$ signals converge on the family of so-called ''Ca^{2t}-activated'' Cl^- channels. Thus receptor-dependent changes in $Ins(3,4,5,6)P_4$ levels is a topic of general biological significance, in that it impacts upon regulation of salt and fluid secretion from epithelial cells, cell volume homeostasis, and electrical excitability in neurons and smooth muscle. Unfortunately, understanding of the cellular control on $Ins(3,4,5,6)P_4$-signaling has been rudimentary, because the pathway of $Ins(3,4,5,6)P_4$ synthesis has not previously been characterized.

The NIH announces new treatment methods for asthma, bronchitis and cystic fibrosis. The treatments consist of either increasing or decreasing the activity of inositol 1,3,4,5,6 pentakisphosphate 1-phosphatase in a patient, thereby controlling $Ins(3,4,5,6)P_4$-signaling which in turn affects the choride channels and mucus secretion produced. This modulation of inositol 1,3,4,5,6 pentakisphosphate 1-phosphatase is accomplished with the help of an inositol phosphate kinase, which can also act as an inositol pentakisphosphate 1-phosphatase.

Mutated Constitutively Active Nuclear Orphan Receptor

Masahiko Negishi, Akiko Ueda, Lars C. Pedersen, Satoru Kakizaki, Tatsuya Sueyoshi (NIEHS)
DHHS Reference No. E–034–2002/0 filed Feb. 19, 2002
Licensing Contact: Marlene Shinn; 301/435–4426; *shinnm@od.nih.gov*.

The constitutively active nuclear orphan receptor (CAR) activates transcription of genes encoding various drug-metabolizing enzymes such as cytochromes P450 in response to drug exposures. Induction of these enzymes confers on organisms a higher metabolic capability to defend themselves against xenochemical toxicity and/or carcinogenicity. Direct drug responses, however, have not been demonstrated with CAR in a cell-mediated transfectin assay, due to its *in vitro* constitutive activity.

The NIH announces the creation of an altered CAR molecule, with decreased constitutive activity *in vitro* using site-directed mutagenesis to the receptor. This alteration allows the CAR molecule to be directly activated by drugs and can be used for *in vitro* drug screening that will make the screenings more efficient and cost effective.

Bone-Forming Composition, Methods for Making and Methods of Use

Mahesh H. Mankani, Sergei Kuznetsov, Pamela G. Robey (NIDCR)
DHHS Reference No. E–263–2001/0 filed Jan. 25, 2002
Licensing Contact: Marlene Shinn; 301/435–4426; *shinnm@od.nih.gov*.

Transplantation of bone marrow stromal cells (BMSCs) offers a method for repairing and/or closing large bone defects. Although most bone defects occur as a result of trauma, bone loss can also arise from congenital disorders, neoplasms, and/or infections. To make BMSC transplantation most useful as a method for engineering new bone, it would be helpful to optimize the growth rate, extent, and strength of newly formed bone. Current methods of transplantation produce bone that is nonuniform in size, shape and form, making it difficult to compare bone samples directly.

The NIH announces a new method of forming bone tissue based on using a combination of bone marrow stromal cells and hydroxyapatite/tricalcium phosphate particles. The newly created bone has desired dimensions, which are similar, consistent, and/or identical to the shapes of the preformed compositions. When the composition is made with human BMSCs derived from pathological tissue, and transplanted into immunodeficient mice, the new bone reproduces features of the original disease, allowing for the testing of agents that inhibit, stimulate, or modify bone formation.

Methods of Making, Using and Pharmaceutical Formulations Comprising 7-Alpha,11-Beta-Dimethyl-17-Beta-Hydroxyestra-4,14-Dien-3-One and 17 Esters Thereof and 7-Alpha,11-Beta-Dimethyl-17-Beta-Hydroxyestra-4-en-3-One 17-Undecanoate

Drs. Richard Blye and H.K. Kim (NICHD)
DHHS Reference No. E–069–2000/3 filed Mar. 29, 2002 (PCT–CIP Patent Application)
Licensing Contact: Marlene Shinn; 301/435–4426; *shinnm@od.nih.gov*.

The NIH announces a new technology that relates to compounds that possess potent androgenic activity. These compounds offer a potential therapeutic benefit in the treatment of hypogonadism, regardless of cause, as an adjuvant in hormone replacement therapy for both men and women and for androgen stimulation of anabolism in a broad spectrum of disease entities involving debilitation.

These compounds exhibit both oral and parenteral androgenic activity. Oral activity appears greater than that of methyltestosterone. Parenteral activity as an aqueous suspension is substantially longer than that produced by testosterone enanthate or testosterone cypionate. Since these compounds lack a 17-alkyl moiety, they are expected to show less hepatotoxicity upon oral administration. Claims in this patent application are drawn to the new androgenic compounds themselves, their method of preparation, pharmaceutical formulations containing the new androgens and their utility and use in a wide spectrum of therapeutic applications.

Dated: November 4, 2002.

Jack Spiegel,

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

[FR Doc. 02–28538 Filed 11–7–02; 8:45 am]

BILLING CODE 4140–01–P

DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Institutes of Health

Notice of Meeting; Interagency Autism Coordinating Committee

The National Institutes of Health (NIH) hereby announces a meeting of the Interagency Autism Coordinating Committee (IACC) to be held on November 22, 2002, on the NIH campus in Bethesda, Maryland.

The Children's Health Act of 2000 (Pub. L. 106–310), Title I, section 104, mandated the establishment of an Interagency Autism Coordinating Committee (IACC) to coordinate autism research and other efforts within the Department of Health and Human Services (DHHS). In April 2001, Secretary Tommy Thompson delegated the authority to establish the IACC to the National Institutes of Health (NIH). The National Institute of Mental Health (NIMH) at the NIH has been designated the lead for this activity.

The IACC meeting will be open to the public, 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.

Name of Committee: Interagency Autism Coordinating Committee.

Date: November 22, 2002.

Time: 8:30 a.m.–5:15 p.m.

Agenda: Discussion of autism activities across Federal agencies.

Place: National Institutes of Health, 9000 Rockville Pike, Building 31,

Conference Room 10 (6th floor), Bethesda, Maryland 20892.

Contact Person: Ann Wagner, Ph.D., Division of Services and Intervention Research, National Institute of Mental Health, NIH, 6001 Executive Boulevard, Room 7142, MSC 9633, Bethesda, Maryland 20892. Email: < *awagner@mail.nih.gov* > Phone: 301–443–4283.

Any member of the public interested in presenting oral comments to the committee may notify the contact person listed on this notice at least 5 days in advance of the meeting. Interested individuals and representatives of organizations may submit a letter of intent, a brief description of the organization represented, and a short description of the oral presentation. Presentations may be limited to 5 minutes; both printed and electronic copies are requested for the record. In addition, any interested person may file written comments with the committee by forwarding his/her statement to the contact person listed on this notice. The statement should include the name, address, telephone number and, when applicable, the business or professional affiliation of the interested person.

Information about the meeting is also available on-line on the NIMH Home Page at < *http://www.nimh.nih.gov/iacc/index.cfm* >.

Dated: October 31, 2002.

Ruth L. Kirschstein,

Deputy Director, National Institutes of Health.

[FR Doc. 02–28539 Filed 11–7–02; 8:45 am]

BILLING CODE 4140–01–P

DEPARTMENT OF HEALTH AND HUMAN SERVICES

National Institutes of Health

National Cancer Institute; 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: National Cancer Institute Special Emphasis Panel, Minority Institution/Cancer Centers Partnerships: CA03–009, CA03–008, CA03–010.

Date: December 3–4, 2002.

Time: 7 p.m. to 5 p.m.

Agenda: To review and evaluate grant applications.

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

Contact Person: Ray Bramhall, Ph.D., Scientific Review Administrator, Special Review, Referral and Resources Branch, Division of Extramural Affairs, National Cancer Institute, National Institutes of Health, 6116 Executive Boulevard, Suite 8060, Rockville, MD 20892, (301) 594–1403.

(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: November 1, 2002.

LaVerne Y. Stringfield,

Director, Office of Federal Advisory Committee Policy.

[FR Doc. 02–28533 Filed 11–7–02; 8:45 am]

BILLING CODE 4140–01–M

DEPARTMENT OF HEALTH SERVICES

National Institutes of Health

National Cancer Institute; 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 meeting of the National Cancer Advisory Board.

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.

A portion of the meeting will be closed to the public in accordance with the provisions set forth in sections 552b(c)(4), and 552b(6), 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 Advisory Board.

Dates: December 4–5, 2002.

Open: December 4, 2002, 8:45 a.m. to 3:15 p.m.

Agenda: Program reports and presentations; Business of the Board.

Place: National Cancer Institute, 9000 Rockville Pike, Building 31, C Wing, 6th Floor, Conference Room 10, Bethesda, MD 20892.

Contact Person: Dr. Marvin R. Kalt, Executive Secretary, National Cancer Institute, National Institutes of Health, 6116 Executive Boulevard, 8th Floor, Room 8001, Bethesda, MD 20892–8327, (301) 496–5147.

Name of Committee: National Cancer Advisory Board, Subcommittee on Planning and Budget.

Open: December 4, 2002, 11:05 a.m. to 11:55 a.m.

Agenda: To discuss activities related to the Subcommittee on Planning and Budget.

Place: National Cancer Institute, 9000 Rockvill Pike, Building 31, C Wing, 6th Floor, Conference Room 10, Bethesda, MD 20892.

Contact Person: Ms. Cherie Nichols, Executive Secretary, Subcommittee on Planning and Budget, National Cancer Institute, National Institutes of Health, 9000 Rockville Pike, Building 31, Room 11A03, Bethesda, MD 20892, (301) 496–5515.

Name of Committee: National Cancer Advisory Board.

Closed: December 4, 2002, 3:15 p.m. to Recess.

Agenda: Review intramural program site visit outcomes; Discussion of confidential personnel issues.

Place: National Cancer Institute, 9000 Rockville Pike, Building 31, C Wing, 6th Floor, Conference Room 10, Bethesda, MD 20892.

Contact Person: Dr. Marvin R. Kalt, Executive Secretary, National Cancer Institute, National Institutes of Health, 6116 Executive Boulevard, 8th Floor, Room 8001, Bethesda, MD 20892–8327, (301) 496–5147.

Name of Committee: National Cancer Advisory Board.

Open: December 5, 2002, 8:30 a.m. to 12 p.m.

Agenda: Program reports and presentations; Business of the Board.

Place: National Cancer Institute, 9000 Rockville Pike, Building 31, C Wing, 6th Floor, Conference Room 10, Bethesda, MD 20892.

Contact Person: Dr. Marvin R. Kalt, Executive Secretary, National Cancer Institute, National Institutes of Health, 6116 Executive Boulevard, 8th Floor, Room 8001, Bethesda, MD 20892–8327, (301) 496–5147.

Any interested person may file written comments with the committee by forwarding the statement to the Contact Person listed on this notice. The statement should include the name, address, telephone number and when applicable, the business or professional affiliation of the interested person.

In the interest of security, NIH has instituted stringent procedures for entrance into the building by non-government employees. Persons without