

are: (1) ability to handle any number of conceptually distinct categories of items (such as people, events, institutions, tasks, concepts, processes, document types); (2) tools for creating relationships between any two or more objects, with the ability to categorize types of relationships and decide which categories they apply to; (3) use of parent-child relationship as a singularly important relationship to organize, view and navigate information; (4) flexibility in adding diverse categories of objects and relationships, while maintaining a simple underlying data structure and programing environment; and (5) ability to view complex relationships in flexible and informative ways; (6) tools for managing names which are indispensable for finding the relevant objects; (7) efficient ways to search information and filter retrievals to limit to relevant information.

#### **Fabrication And Characterization Of Novel Amperometric Biometric Sensors**

ET Chen (FDA)

DHHS Reference No. E-177-98/0 filed 30 Nov 98

The present invention relates to the construction of an amperometric sensor using a catalytically active cyclodextrin as an enzyme biometric. The particular catalytically active cyclodextrin molecule that is disclosed is made by chemically modifying a cyclodextrin by the addition of one or more imidazole moieties. The cyclodextrin is deposited on the surface of an electrode and the resultant surface modified electrode is used as a biosensor to detect the presence of nitrophenyl acetate.

#### **Method for Non-Invasive Identification of Individuals at Risk for Diabetes**

AJ Durkin, MN Ediger, MV Chenault (FDA)

Serial No. 60/109,257 filed 19 Nov 98

The present disclosure describes a device and methods for screening individuals at risk for developing diabetes. It relies on a combination of optical spectroscopy and a multi-variate statistical analysis. In practice, the device compares and models spectra taken from a subject to control spectra taken from the same subject. This invention was designed to be a minimally/non-invasive, inexpensive, and highly sensitive system. In its simplest form, the invention will be developed as an adjunctive technique to current diabetes screening methods. As relevant clinical data becomes available from initial applications, a stand-alone device is likely to evolve from the present invention.

#### **Fiber Optic Probe for Quantitative Optical Spectroscopy**

AJ Durkin, S Matchette, M Ediger (FDA)

Serial No. 60/105,945 filed 28 Oct 98

The present disclosure describes a fiber optic probe assembly and methods of using said probe assembly for both medical diagnostic and industrial applications. This novel device consists of a single light delivery source in combination with an array of light detector fibers. In use, the assembly has the ability to simultaneously acquire data from a variety of source/detector separations. The entire data set is then in a convenient format, for use with an appropriate mathematical model of light transport, to deduce optical properties of the sample under test. The properties may be associated with the technique known as "optical biopsy" for diagnostic purposes. Industrial applications where a turbid mixture requires analysis can also employ the disclosed device and methods. Examples of some industrial uses would be manufacturing processes associated with pharmacology, food processing, and emulsion technology.

#### **Determining the Hurst Exponent for Time Series Data**

PB DePetrillo (NIAAA)

Serial No. 09/132,462 filed 11 Aug 98

The present application describes a method, an apparatus, and a computer-readable medium for calculating the Hurst coefficient of time-series data. Many biological constituents, such as the cardiovascular system, generate signals like the heart rate which exhibit chaotic behavior. The Hurst coefficient is a type of chaotic signature which correlates to signal complexity. Measures of cardiac signal complexity are known to be correlated with healthy physiological function. Therefore, this technology may be useful in a variety of diagnostic applications such as: (1) real-time analysis of EKGs in acute care units to help identify patients at risk of heart attack, (2) identifying previously unknown cardiovascular drug toxicities, and (3) screening analysis of EKGs in ambulatory patients.

Dated: February 2, 1999.

**Jack Spiegel,**

*Director, Division of Technology Development and Transfer, Office of Technology Transfer.* [FR Doc. 99-3239 Filed 2-9-99; 8:45 am]

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 552(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:* Clinical Trials Review Committee.

*Date:* February 21-22, 1999.

*Time:* February 21, 1999, 7:00 PM to 10:00 PM.

*Agenda:* To review and evaluate grant applications.

*Place:* Hyatt Regency Hotel, One Bethesda Metro Center, Bethesda, MD 20814.

*Time:* February 22, 1999, 8:30 AM to adjournment.

*Agenda:* To review and evaluate grant applications.

*Place:* Hyatt Regency Hotel, One Bethesda Metro Center, Bethesda, MD 20814.

*Contact Person:* Joyce A. Hunter, PHD, NHLBI/DEA/Review Branch, Rockledge Building II, Room 7192, MSC 7924, 6701 Rockledge Drive, Bethesda, MD 20892, (301) 435-0287.

This notice is being published less than 15 days prior to the meeting due to the timing limitations imposed by the review and funding cycle.

*Name of Committee:* Heart, Lung, and Blood Program Project Review Committee.

*Date:* March 18, 1999.

*Time:* 8:00 AM to 5:00 PM.

*Agenda:* To review and evaluate grant applications.

*Place:* Holiday Inn—Silver Spring, 8777 Georgia Avenue, Silver Spring, MD 20910.

*Contact Person:* Jeffrey H. Hurst, Scientific Review Administrator, Review Branch, National Heart, Lung, and Blood Institute, National Institutes of Health, 6701 Rockledge Drive, Room 7208, Bethesda, MD 20892, 301/435-0303.

(Catalogue of Federal Domestic Assistance Program 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: February 4, 1999.

**LaVerne Y. Stringfield,**

*Committee Management Officer, NIH.*

[FR Doc. 99-3232 Filed 2-9-99; 8:45 am]

BILLING CODE 4140-01-RM

## DEPARTMENT OF HEALTH AND HUMAN SERVICES

### National Institutes of Health

#### National Institute of Child Health and Human Development; 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 Institute of Child Health and Human Development Initial Review Group, Mental Retardation Research Subcommittee.

*Date:* March 5, 1999.

*Time:* 8:30 am to 5:00 pm.

*Agenda:* To review and evaluate grant applications.

*Place:* Double Tree Hotel, 1750 Rockville Pike, Rockville, MD 20852.

*Contact Person:* Norman Chang, PhD, Scientific Review Administrator, National Institute of Child Health and Human Development, National Institutes of Health, PHS, DHHS, Bethesda, MD 20892.

(Catalogue of Federal Domestic Assistance Program Nos. 93.209, Contraception and Infertility Loan Repayment Program; 93.864, Population Research; 93.865, Research for Mothers and Children; 93.929, Center for Medical Rehabilitation Research, National Institutes of Health, HHS)

Dated: February 4, 1999.

**LaVerne Y. Stringfield,**

*Committee Management Officer, NIH.*

[FR Doc. 99-3229 Filed 2-9-99; 8:45 am]

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## DEPARTMENT OF HEALTH AND HUMAN SERVICES

### National Institutes of Health

#### National Institute of Child Health and Human Development; 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 section 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 Child Health and Human Development Special Emphasis Panel.

*Date:* April 19, 1999.

*Time:* 8:30 to 5:00.

*Agenda:* To review and evaluate grant applications.

*Place:* Ramada Inn at Congressional Park, 1775 Rockville Pike, Rockville, MD 20852.

*Contact Person:* Hameed Khan, PhD., Scientific Review Administrator, Division of Scientific Review, National Institute of Child Health and Human Development, National Institutes of Health, 6100 Executive Blvd., Room 5E01, Bethesda, MD 20892. (301) 496-1485.

(Catalogue of Federal Domestic Assistance Program Nos. 93.209, Contraception and Infertility Loan Repayment Program; 93.864, Population Research; 93.865, Research for Mothers and Children; 93.929, Center for Medical Rehabilitation Research, National Institutes of Health, HHS).

Dated: February 4, 1999.

**LaVerne Y. Stringfield,**

*Committee Management Officer, NIH.*

[FR Doc. 99-3230 Filed 2-9-99; 8:45 am]

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## DEPARTMENT OF HEALTH AND HUMAN SERVICES

### National Institutes of Health

#### National Institute of Child Health and Human Development; 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 Institute of Child Health and Human Development Initial Review Group, Maternal and Child Health Research Subcommittee.

*Date:* March 2, 1999.

*Time:* 9:00 am to 5:30 pm.

*Agenda:* To review and evaluate grant applications.

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

*Contact Person:* Gopal M. Bhatnagar, PhD, Scientific Review Administrator, National Institute of Child Health and Human Development, National Institutes of Health, PHS, DHHS, Bethesda, MD 20892.

(Catalogue of Federal Domestic Assistance Program Nos. 93.209, Contraception and Infertility Loan Repayment Program; 93.864, Population Research; 93.865, Research for Mothers and Children; 93.929, Center for Medical Rehabilitation Research, National Institutes of Health, HHS)

Dated: February 4, 1999.

**LaVerne Y. Stringfield,**

*Committee Management Officer, NIH.*

[FR Doc. 99-3231 Filed 2-9-99; 8:45 am]

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## DEPARTMENT OF HEALTH AND HUMAN SERVICES

### National Institutes of Health

#### National Institute of Mental Health; Notice of Meeting

Pursuant to section 10(a) 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 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:* National Institute of Mental Health Special Emphasis Panel.

*Date:* February 12, 1999.

*Time:* 12:00 pm to 2:00 pm.

*Agenda:* To provide concept review of proposed cooperative agreement.