



Tomorrow's Doctors, Tomorrow's Cures®

Group on Research Advancement and Development Annual Meeting

*Jointly sponsored by the Association of American
Medical Colleges and Harvard Medical School
Department of Continuing Education*

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SAMPLE FACULTY DISCLOSURE STATEMENT

Harvard Medical School has long held the standard that its continuing medical education program be free of commercial bias.

Now, in accord with the disclosure policy of the Medical School as well as standards set forth by the Accreditation Council on Continuing Medical Education, speakers have been asked to disclose any relationship they have to companies producing pharmaceuticals, medical equipment, prosthesis, etc. that might be germane to the content of their lectures. Such disclosure is not intended to suggest or condone bias in any presentation, but is elicited to provide registrants with information that might be of potential importance to their evaluation of a given talk.

1. The following speakers have reported no relevant relationships with industry:

Jasjit Ahluwalia
 Pamela B. Davis
 John C. Gore
 Gregory F. Handlir
 Richard J. Hodes
 Keith Hodgson
 Richard B. Marchase
 Harry B. Greenberg
 Roderic Pettigrew
 John Edward Porter
 Abdul Rao
 David Robertson
 Kamil Ugurbil

2. The following speakers have reported receiving something of value* from a company whose products may be germane to the content of their presentations:

NAME	COMPANY	RELATIONSHIP
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None

*“Something of value” refers to an equity position, receipt of royalties, consultantship, funding by a research grant, receiving honoraria for educational services elsewhere, or to any other relationship to a company that provides sufficient reason for disclosure, in keeping with the spirit of the stated policy.

ACCME STATEMENT

This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint sponsorship of Harvard Medical School and the Association of American Medical Colleges. Harvard Medical School is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Harvard Medical School designates this educational activity for a maximum of 12.5 category 1 credits toward the AMA Physician's Recognition Award. Each physician should claim only those credits that he/she actually spent in the educational activity.

The American Medical Association has determined that physicians not licensed in the US who participate in this CME activity are eligible for AMA PRA category 1 credit.

Agenda

Friday, April 28

7:30 am Registration and Continental Breakfast *Salon I and Foyer*

8:00 am General Session *Salon II*
Welcome

Speakers:

Leonard Rome, Ph.D.

Chair
GRAND Group Steering Committee

David Korn, M.D.

Senior Vice President
Association of American Medical Colleges

8:30 am General Session *Salon II*

**GRAND Science Session: Functional MRI and other
Biomedical Imaging**

Moderator:

Leonard Rome, Ph.D.

Chair
GRAND Group Steering Committee

Speakers:

John Gore, Ph.D.

Chancellor's University Professor
Vanderbilt University

Kamil Ugurbil, Ph.D.

Director and Professor
University of Minnesota School of Medicine

Keith Hodgson, Ph.D.

Stanford Linear Accelerator Center

11:15 am **National Support and Infrastructure for Bioimaging Research**

Roderic I. Pettigrew, Ph.D., M.D.

Director

National Institute of Biomedical Imaging and Bioengineering

Friday, April 28 cont.

12:00 Noon

LuncheonSalon I

Speaker:

Richard J. Hodes, M.D.Director, National Institute on Aging
National Institutes of Health

2:00 pm

General Session

Salon II**Clinical Research Focus Session**

Moderator:

Charles Moldow, M.D.Associate Dean, Research Programs & Administration
University of Minnesota Medical School**Clinical and Translational Science Awards (CTSA) Panel: A panel to discuss issues and barriers identified in completing CTSA applications**

Speakers:

Jasjit S. Ahluwalia, M.D., MPH, M.S.Executive Director, Office of Clinical Research
University of Minnesota Academic Health Center**Pamela B. Davis, M.D., Ph. D.**Vice Dean for Research, Case Western Reserve University
Professor, CWRU School of Medicine**David Robertson, M.D.**Professor of Medicine, of Pharmacology, and of Neurology
Vanderbilt University School of Medicine**Recommendations of the AAMC Task Force II on Clinical Research****Howard Dickler, M.D.**Director for Clinical Research
Association of American Medical Colleges

Friday, April 28 cont.

- 4:30 pm Break
- 4:45 pm **General Session** *Salon II*
Principles for Protecting Integrity in the Conduct and Reporting of Clinical Trials: Review and Implementation
- Speaker:**
- Harry Greenberg, M.D.**
 Senior Associate Dean for Research
 Stanford University School of Medicine
- 5:40 pm Day Adjourns
- 6:30 pm GRAND Cocktail Reception (at hotel) *Diplomat Room*
- 7:30 pm Dinner on your own (AAMC will assist in organizing groups for local restaurants)

Saturday, April 29

- 7:00 am Continental Breakfast *Salon I*
- 7:30 am **GRAND Business Meeting** *Salon II*
- 8:30 am General Session *Salon II*
**“Recovering from a Natural Disaster”
 Tulane’s Post-Katrina Experience**
- Speaker:**
- Jeanette Magnus, M.D., Ph.D.**
 Professor of Public Health and Medicine
 Director of the Tulane Xavier National Center for Excellence in Women’s Health
 Tulane University
- 9:15 am General Session
Report from the Hill: Update on NIH Appropriations, Authorization and the President’s Budget

Speaker:

David Moore
Senior Associate Vice President
Office of Governmental Relations
Association of American Medical Colleges

10:00 am

General Session

Surviving the Hard Landing: Seed, Bridges, and Transition

Moderator and Speaker:

Richard D. Marchase, Ph.D.
Senior Associate Dean for Biomedical Research
University of Alabama School of Medicine

Speakers:

Abdul S. Rao, M.D., D.Phil.
Senior Associate Vice President
for Research-USF Health

Gregory F. Handlir
Senior Associate Dean for Resource Management
University of Maryland School of Medicine

12:00 Noon

Luncheon

Can Science Get Back on a Growth Track?

Introduction:

Theodore J. Cicero, Ph.D.
Vice Chancellor for Research
Washington University in St Louis School of Medicine

Speaker:

The Hon. John Porter
Partner, Hogan & Hartson
Chair, Research!America

1:30 pm

Concluding Remarks and Adjournment

Speaker Biographical Sketches

Jasjit S. Ahluwalia, M.D., M.P.H., M.S., is a clinician, educator, researcher, and administrator. He has devoted the past 14 years of his career to improving the health of high risk populations, such as the underserved and ethnic minorities. Dr. Ahluwalia received his B.A. degree at New York University followed by a combined MD/MPH program at the Tulane University Schools of Medicine and Public Health in 1987. At the University of North Carolina at Chapel Hill, he completed a three-year Internal Medicine residency followed by a two-year Harvard Medical School General Internal Medicine fellowship in clinical epidemiology and a MS in Health Policy at the Harvard School of Public Health in 1992.

On September 1, 2005, Dr. Ahluwalia joined the University of Minnesota Academic Health Center as Executive Director for the Office of Clinical Research with the Senior Vice President at the University of Minnesota Academic Health Sciences Center to oversee clinical research. The University is comprised of six schools: Medicine, Public Health, Dentistry, Veterinary Medicine, Nursing, and Pharmacy. Dr. Ahluwalia also serves as the Associate Dean for Clinical Research and Director for the Center of Clinical Research in the School of Medicine where he will continue his NIH-funded research working with ethnic minority populations on nicotine addiction, diet, and obesity. Dr. Ahluwalia has received more than \$11 million in funding over the past 10 years as a Principal Investigator and \$9 million as a Co-PI and Co-I, largely from the NIH. He currently holds an NCI award titled “Helping Light African American Smokers Quit.” Dr. Ahluwalia was also PI of the University of Kansas NIH K-30 Clinical Research Curriculum Award, which was successfully renewed in 2005. Dr. Ahluwalia is on the editorial board of the *American Journal of Preventive Medicine*, and is one of the Deputy Editor’s of the *Journal of General Internal Medicine*.

Pamela B. Davis, M.D., Ph.D., received a bachelor of arts in chemistry, *summa cum laude*, from Smith College in 1968 and a Ph.D. in physiology and pharmacology in 1973 and an M.D. in 1974, both from Duke University. Following internship and residency in internal medicine at Duke University Hospital, Dr. Davis trained as a fellow in pulmonary diseases at the National Institutes of Health from 1975 through 1977. Dr. Davis spent two years as a clinical associate and senior investigator at the pediatric metabolism branch of the NIH and then joined the faculty of the University of Tennessee College of Medicine, where she served as an assistant professor from 1979 to 1981. In 1981, she joined Case Western Reserve University where she rose through the ranks to professor of pediatrics, to which she was promoted in 1989. Dr. Davis has been chief of the pediatric pulmonary division at Rainbow Babies and Children’s Hospital since 1985. She holds secondary appointments in the departments of Physiology and Biophysics and Molecular Biology and Microbiology.

Dr. Davis’ research activities are aimed at discovering new treatments for cystic fibrosis (CF). She is director of the Willard Bernbaum Cystic Fibrosis Research Center at University Hospitals and Case Western Reserve University, a center that is devoted to coordinated and broad-based clinical and basic research on cystic fibrosis and supported by the National Institutes of Health and the Cystic Fibrosis Foundation. Dr. Davis’ own laboratory focuses on activating mutant forms of the protein that is defective in CF, treating the lung inflammation that is a consequence of CF, and developing practical means of gene therapy for the disorder. Her lab is developing novel receptor-directed approaches to gene therapy, targeting the serpin-enzyme complex receptor from the apical

surface of airway epithelial cells and the polymeric immunoglobulin receptor from the basolateral surface. In addition to the center funding, Dr. Davis has maintained strong independent grant support from the National Institutes of Health and has been designated one of the School of Medicine's Million Dollar Professors for more than five years in succession. Dr. Davis is an active teacher in the School of Medicine, the pediatric residency program, and in graduate and postdoctoral research education. She is a member of many professional societies and has received the Maurice Saltzman Award from Mt. Sinai Health Foundation and the Samuel Rosenthal Prize for Academic Pediatrics. Dr. Davis is a founding scientist of Copernicus Therapeutics, Inc. and has served on numerous editorial boards, grant review panels, and advisory committees.

Harry B. Greenberg, M.D., is currently the Senior Associate Dean for Research and Training and an Acting Co-chairman of the Department of Medicine. He is the Joseph D. Grant Professor of Medicine and Microbiology and Immunology at Stanford University School of Medicine. He also serves as a part time physician at the Palo Alto VA Hospital. Dr. Greenberg has spent the past 30 years studying viruses that infect the gastrointestinal tract, lungs and liver. He is particularly interested in rotaviruses, a class of viruses that cause severe and often fatal diarrhea in children, especially in poor countries. He was an inventor of an early rotavirus vaccine and his studies have helped define the nature of rotavirus immunity and pathogenesis. Dr. Greenberg's research also focuses on hepatitis c virus and influenza and in general on areas related to host immunity or pathogenesis.

Dr. Greenberg received his undergraduate education at Dartmouth College and his MD from Columbia College of Physicians and Surgeons. He completed residency training in internal medicine at Bellevue Hospital in New York and a fellowship in gastroenterology at Stanford University School of Medicine. He served as a medical officer in the Laboratory of Infectious Diseases at the National Institutes of Health for nine years before joining the Stanford faculty as an Associate Professor of Medicine and of Microbiology and Immunology in 1983. Dr. Greenberg has served as Chief of the Division of Gastrointestinal Medicine, as Associate Chief of Staff for Research at the Palo Alto VA Hospital and Associate Chair for Academic Affairs in the Department of Medicine.

Dr. Greenberg's national and international stature has led to his election to various scholarly societies such as the ASCI, AAP and the AAAS and to his appointment to editorial positions on a number of scientific journals, including *American Journal of Medicine*, *Virology*, and *The Journal of Virology*. He is a frequent speaker and participant at various international workshops and symposiums on microbial pathogenesis, immunity and vaccination, and he served as the chair of the FDA Advisory Committee on Vaccines and Related Biologicals. Dr. Greenberg took a two-year leave of absence from Stanford (2001-2002) at which time he was the Chief Scientific Officer and Senior VP for Research at a local biotech company, Medimmune Vaccines. During that time he worked on developing a live attenuated influenza vaccine that has recently been licensed by the FDA.

Gregory F. Handlir, MBA, Gregory Handlir is the Senior Associate Dean for Resource Management at the University of Maryland School of Medicine. The Office of Resource Management consists of three major components: Finance, Operations and Human Services, and

Academic Administration. These divisions collectively constitute the administrative core of the School of Medicine.

In the Finance Division, Mr. Handlir is responsible for financial oversight of the School of Medicine, including all-funds budgeting, mission-based management, and financial planning. Mr. Handlir's role in the Division of Operations and Human Services includes capital projects, the maintenance and renovation of the School of Medicine facilities, and the management of human resources for the School. In cooperation with the Vice Dean for Academic Affairs, he is also responsible for the operation of the Academic Administration Office, which is responsible for the School's Appointment, Promotion, and Tenure policies and procedures.

In addition, Mr. Handlir serves on many School and Campus committees and is a member of several national organizations.

Richard J. Hodes, M.D., directs the research program of the National Institute on Aging (NIA) at the National Institutes of Health. A leading immunologist, Dr. Hodes was named Director of the NIA in 1993, to oversee studies of the basic, clinical, epidemiological and social aspects of aging.

Under Dr. Hodes' stewardship, the NIA budget has surpassed \$1 billion, reflecting increased public interest in aging as America and the world grow older. Dr. Hodes has devoted his tenure to the development of a strong, diverse, and balanced research program, focusing on the genetics and biology of aging, basic and clinical studies aimed at reducing disease and disability, including Alzheimer's disease and age-related cognitive change, and investigation of the behavioral and social aspects of aging. Ultimately, these efforts have one goal -- improving the health and quality of life for older people and their families.

In the past decade, the NIA has worked in new and innovative ways to conduct research and to translate research findings into practical interventions and public information. In Alzheimer's disease (AD), new initiatives to find genes involved in AD and to identify biomarkers are expected to considerably reduce the length and cost of clinical trials, thereby speeding up the testing of new therapies for AD. In biology, research conducted and supported by the NIA examines the genetic and other factors influencing lifespan and age related diseases and conditions. Research in geriatrics is uncovering new ways to combat frailty with age, and social and demographic research is deepening understanding of the individual behaviors and societal decisions that affect well-being.

Dr. Hodes has had a long, distinguished career in science at the NIH as an investigator in the National Cancer Institute. He maintains an active involvement in research on the NIH campus in Bethesda, Maryland, through his direction of the Immune Regulation Section, a laboratory devoted to studying regulation of the immune system, focused on cellular and molecular events that activate the immune response. This involvement in campus research also serves to strengthen ties with other NIH scientists involved in studies of age-related diseases.

Dr. Hodes is a Diplomate of the American Board of Internal Medicine. In 1995, he was elected as a member of The Dana Alliance for Brain Initiatives; in 1997, he was elected as a Fellow of the

American Association for the Advancement of Science; and in 1999, he was elected to membership in the Institute of Medicine of the National Academy of Sciences.

Dr. Hodes is a graduate of Yale University and received his M.D., from Harvard Medical School. As an author of more than 200 research papers, he is an influential scientist in and contributor to the field of immunology.

Keith O. Hodgson is Deputy Director and Director for Photon Science and Howard H and Jessie T. Watkins University Professor of SRL and Chemistry. Professor Hodgson has made seminal research contributions in the fields of physical inorganic chemistry and biophysics. A common theme in his research is the development of new technological tools which utilize synchrotron x-rays to study structure and function at the atomic level. His contributions in the development and chemical applications of x-ray absorption spectroscopy (edge and EXAFS) have gained him the reputation as an internationally-recognized innovator. Many of the other leading scientists in this field have been trained in his laboratories. He pioneered the applications of synchrotron radiation to macromolecular crystallography and made seminal contributions to the use of multiple wavelengths to solve the classic "phase problem" for protein crystallographic structure solution (the so-called "MAD" approach). He is now working to innovate new directions using x-ray free electron lasers for imaging of biological and non-periodic nanostructured materials and for studying structural dynamics on the femtosecond time scale. The scientific focus of much of his work has been on fundamental problems in bioinorganic chemistry. Our understanding of key structural aspects of the active sites of important proteins, including those responsible for the fixation of nitrogen (nitrogenase) and the oxidation of hydrocarbons (the methane monooxygenases), were (among others) first obtained from his work. He is the author of more than 300 scholarly publications in scientific journals and has given numerous invited lectures on his research.

Dr. Hodgson has played a major role in "advocating" synchrotron radiation research and promoting its development for chemistry and structural biology - including being a member of National Academy and DOE panels that have dealt with such issues over the past decade. He has also been active (and Chair in both cases for one year) on International Advisory Committees for Conferences on X-ray absorption spectroscopy and on Biophysics and Synchrotron Radiation. He has served (by invitation) on the NIH strategic planning task force and the NCCR (National Center for Research Resources of NIH) strategic planning task force (both in 1994 and again in 1997). He recently completed a term on the National Institutes of Health National Center for Research Resources Council and he is the Chairperson of the U.S. Department of Energy external advisory committee (BERAC) to its Office of Biological and Environmental Research. He has held positions on the editorial boards of *Structure*, *Spectrochimica Acta*, *Inorganic Chemistry* and *Journal of Biological Inorganic Chemistry*. He is a member of the international scientific advisory committee to the CCLRC in UK.

Dr. Hodgson completed his Bachelor's of Science degree at the University of Virginia, Charlottesville, Virginia in 1969 and received his Ph.D. in Chemistry from the University of California at Berkeley, California in 1972 under a National Science Foundation Traineeship. Following a postdoctoral year at the Eidgenössische Technische Hochschule, Zürich, Switzerland as a NATO fellow in 1973, Dr. Hodgson joined the faculty of Stanford University as an Assistant Professor of Chemistry. He was subsequently promoted to Associate and then Full Professor. He has been a fellow of the Alfred P. Sloan foundation, a recipient of the Sidhu X-ray Diffraction Award

given by the American Crystallographic Association, a Robert A. Welch Foundation Lecturer, a World Bank Lecturer in Chemistry, and recipient of the 2002 E.O. Lawrence Award from the U.S. Department of Energy. He remains Director (acting) of the Stanford Synchrotron Radiation Laboratory, a Division of SLAC, and oversees this national user facility which is helping lead the development of the world's first x-ray free electron laser (called LCLS). He also shares responsibility for the operation and development of the structural molecular biology program at SSRL, which develops new physical methods and supports users in this rapidly growing and high impact scientific area.

Jeanette H. Magnus, MD, PhD, is Professor in Public Health, Head of Maternal and Child Health Section in Department of Community Health Sciences in Tulane School of Public Health and Tropical Medicine and Clinical Professor in Department of Medicine, Tulane School of Medicine. She is also the Director of Tulane Xavier National Center of Excellence in Women's Health.

Dr. Magnus earned both her MD and PhD from University of Tromsø in Norway. She completed her Rheumatology training in Europe prior to moving to the U.S. Through her background and experience, she bridges bedside clinical medicine, clinical basic science, epidemiology, as well as public health and community research. She is currently the Co-PI and Program Director of the NIH funded Tulane Building Interdisciplinary Career in Women's Health Program a K-12 training program facilitating mentored career development for junior faculty. She is also the PI and Program Director for the Tulane Maternal and Child Health Epidemiology Doctoral Training Program, as well as the Tulane Leadership Education in Maternal and Child Public Health Program, both are HRSA MCHB funded programs aimed at increasing the capacity and leadership in MCH within the U.S.

Richard B. Marchase, Ph.D., is the UAB Vice President for Research. His administrative functions include strategic planning, regulatory oversight, recruitment, and space allocation for a research enterprise generating approximately \$450 million annually.

Marchase received his undergraduate degree with honors in 1970 from Cornell University, and was honored with the Hamilton Award as the Outstanding Graduate in Science and Engineering. He received his Ph.D. from The Johns Hopkins University in 1976 and did postdoctoral training at Duke University. He was named a member of the faculty there in 1978 and was honored as a Nanaline H. Duke Scholar. In 1984 he received one of the inaugural Presidential Young Investigator Awards from the National Science Foundation. Dr. Marchase was recruited to the University of Alabama at Birmingham in the Department of Cell Biology in 1986 as an Associate Professor. He was promoted to Professor in 1990 and was named Chair in 1994. He became Associate Dean in 2000 and Vice President in 2004.

Dr. Marchase maintains an active research laboratory supported by the National Institutes of Health. He is a past Associate Editor of *The Anatomical Record* and was on the editorial board of the *American Journal of Physiology:Cell*. He is currently on the Editorial Board of the journal *SHOCK*. He was presented with the Mary Jane Kugle Award from the Juvenile Diabetes Research Foundation in 1999.

Marchase is active in several national organizations. He served as President of the Association of Anatomy, Cell Biology, and Neurobiology Chairs and as a member of the National Caucus of Basic Biomedical Science Chairs. He serves on the steering committee of the American Association of Medical Colleges' Group on Research Advancement and Development. He is currently Vice President of the Federation of American Societies for Experimental Biology, which represents over 80,000 scientists and is recognized as the principal voice of the biomedical research community on issues related to research funding and research integrity.

David B. Moore is Senior Associate Vice President for Governmental Relations at the Association of American Medical Colleges. He has primary responsibility for legislative issues related to the federal budget and appropriations, research and research training, health professions education, public health, and ethical issues in science and medicine. He is the founding editor of *Washington Highlights*, the Association's weekly government affairs newsletter. He also serves as Executive Secretary for the AAMC Government Relations Representatives (GRR) Group.

A graduate of Bucknell University, Dave did his graduate work in experimental pathology at the University of Maryland School of Medicine and in health and science journalism at Marquette University. Prior to joining the AAMC in 1984, Dave interned at the National Cancer Institute and worked for the Director of the National Institute on Aging.

Since 1987 he has served as Executive Secretary and now Executive Director of the Ad Hoc Group for Medical Research Funding, a coalition of over 300 patient groups, professional societies, and research institutions that advocates for increased funding for the National Institutes of Health.

Roderic I. Pettigrew, Ph.D., M.D., is the first Director of the National Institute of Biomedical Imaging and Bioengineering at the NIH. Prior to his appointment at the NIH, he was Professor of Radiology, Medicine (Cardiology) at Emory University and Bioengineering at the Georgia Institute of Technology and Director of the Emory Center for MR Research, Emory University School of Medicine, Atlanta, Georgia.

Dr. Pettigrew is known for his pioneering work at Emory University involving four-dimensional imaging of the heart using magnetic resonance (MRI). Dr. Pettigrew graduated cum laude from Morehouse College with a B.S. in Physics, where he was a Merrill Scholar; has an M.S. in Nuclear Science and Engineering from Rensselaer Polytechnic Institute; and a Ph.D. in Applied Radiation Physics from the Massachusetts Institute of Technology, where he was a Whitaker Harvard-MIT Health Sciences Scholar. Subsequently, he received an M.D. from the University of Miami School of Medicine in an accelerated two-year program, did an internship and residency in internal medicine at Emory University and completed a residency in nuclear medicine at the University of California, San Diego. Dr. Pettigrew then spent a year as a clinical research scientist with Picker International, the first manufacturer of MRI equipment. In 1985, he joined Emory as a Robert Wood Johnson Foundation Fellow with an interest in non-invasive cardiac imaging.

Dr. Pettigrew's awards include membership in Phi Beta Kappa, the Bennie Award (Benjamin E. Mays) for Achievement, and being named the Most Distinguished Alumnus of the University of Miami. In 1989, when the Radiological Society of North America celebrated its 75th Diamond anniversary scientific meeting, it selected Dr. Pettigrew to give the keynote Eugene P. Pendergrass

New Horizons Lecture. He has also served as chairman of the Diagnostic Radiology Study Section, Center for Scientific Review, NIH.

John Edward Porter is Partner at Hogan and Hartson based in Washington, D.C. He concentrates his practice on policy, strategy, and advocacy for clients primarily, but not exclusively, in the fields of health and education.

John previously served 21 years as U.S. Congressman from the 10th district in Illinois, where he served on the Appropriations Committee, and as chair of the Subcommittee on Labor, Health and Human Services, and Education. Under the jurisdiction of his subcommittee were all of the health agencies and programs, except military and the U.S. Food and Drug Administration (FDA), and all of the education agencies and programs of the federal government. He also served as vice chair of the Subcommittee on Foreign Operations and vice chair of the Subcommittee on Military Construction. Before his election to Congress, John served in the Illinois House of Representatives and prior to that as an honor law graduate attorney with the U.S. Department of Justice in the Kennedy Administration. He was founder and co-chairman of the Congressional Human Rights Caucus, a voluntary association of more than 250 members of Congress working to identify, monitor, and end human rights violations worldwide. John authored the legislation creating Radio Free Asia and served as chair of the Global Legislators Organized for a Balanced Environment (GLOBE USA).

Abdul S. Rao, MD, MA, DPhil, is Senior Associate Vice President for Research and Graduate Studies at USF Health, and Vice Dean for Research and Graduate Studies for the College of Medicine.

At USF Health he leads research for the three USF colleges of medicine, nursing and public health. Last year, faculty in those colleges earned \$134 million in research grants.

Dr. Rao has been the Vice Provost for Research and Sponsored Programs and Dean, College of Graduate Studies at the Middle Tennessee State University, where he is a Professor of Biology. He also served as the Chair of the Research Council for the Tennessee Board of Regents -- the sixth largest higher education system in the United States, with over 180,000 students enrolled in 45 universities, community colleges, and technology centers.

After earning his medical degree from Dow Medical University, Karachi, Pakistan, in 1983, Dr. Rao completed his residency training in Orthopedic Surgery. In 1987 he joined the Department of Physiology, Boston University School of Medicine and graduated in 1989 with a M.A., in Physiology. After completing a year of post-doctoral Research Fellowship in the Department of Neurology, Harvard Medical School, he joined the Nuffield Department of Surgery, University of Oxford, Oxford, UK, as a Clinical Instructor from 1990-1993. He graduated from the University of Oxford with a D.Phil., (Doctor of Philosophy) in Transplantation Immunology in 1993.

He joined the University of Pittsburgh in 1993 where he served as the Director of the Section of Cellular Transplantation and the Section of Medical Informatics, Thomas E. Starzl Transplantation Institute. He also served as the Associate Director of Translational Research at this Institute and as an Associate Professor of Surgery as well as Pathology.

In 2000, he joined MCP Hahneman University School of Medicine, as the Senior Associate Dean for Research and Biomedical Graduate Studies and Professor of Surgery as well as Microbiology and Immunology. He subsequently became the Vice Dean for Research and Graduate Studies at Drexel University College of Medicine and in 2003, was promoted to the position of the Senior Associate Vice Provost for Research and Graduate Studies at Drexel University. During his tenure at Drexel, he also served as the Vice Dean for Information Technology in the College of Medicine.

His area of research interest largely focuses on bench to bedside (and reverse) translation of novel therapeutic strategies aimed at alleviating a clinical problem. He and his group have worked on the protocol for induction of donor-specific tolerance in organ allograft recipients (funded by National Institutes of Health); cellular therapeutic treatment of refractory posttransplant lymphoproliferative disorders (funded by Cancer Research Treatment Foundation); islet cell transplantation to reverse type I insulin-dependent diabetes (funded by National Institutes of Health and the Juvenile Diabetes Foundation International); transmission of infection following animals to humans (funded by an extramural grant) organ and cell transplantation. Additionally, his group has also been actively involved in basic cellular and molecular biology research in the following areas: induction of tolerance, islet cell transplantation, dendritic and NK cell immunobiology, post-transplant vasculopathy (chronic rejection); liver-derived growth factors; generation of transgenic pigs and xenotransplantation.

During his tenure at Drexel, he was the principal investigator of over \$2.5 million in funding from the National Center for Research Resources at the NIH to upgrade animal facilities. He also serves as a principal investigator of a training grant from NIH aimed at enhancing the involvement of underrepresented minorities in biomedical research.

David Robertson is Elton Yates Professor of Medicine, Pharmacology and Neurology at Vanderbilt University, where he directs the General Clinical Research Center. Dr. Robertson graduated from Vanderbilt University with a major in Slavic Languages and remained at that institution for his medical degree. He did his house staff training at Johns Hopkins Hospital, serving as Chief Resident on the Osler Medical Service. He returned to Vanderbilt in 1978 and established the Autonomic Dysfunction Center which became the major international referral clinic for autonomic disorders. His clinical investigations with collaborators at Vanderbilt led to the discovery of 2 genetic disorders (DBH deficiency and NET deficiency) and elucidation of 2 acquired disorders (neuropathic postural tachycardia syndrome and selective baroreflex failure). Many agents for treatment of autonomic disorders were pioneered by physicians at Vanderbilt. In 1989 Dr. Robertson founded the American Autonomic Society as an international organization for autonomic neuroscience. He and his colleagues also conducted studies on autonomic effects of microgravity and had experiments aboard the Neurolab Mission of the Shuttle Columbia in 1997 and the Mir Space Station in 1998. He is the author of 4 books and 388 scientific articles. His *Primer on the Autonomic Nervous System*, now in its second edition, has been the most widely used text on autonomic neuroscience since 1996. His trainees have become the leaders in autonomic research in this country and abroad. Teaching was always central to Dr. Robertson and his elective in clinical management has been the most highly subscribed senior elective at Vanderbilt for most of the last 25 years. The Association of Clinical Research Training Program Directors presented their first Distinguished Educator Award to Dr. Robertson in March 2003 for his contributions to teaching graduate students, medical students,

clinical research fellows, and for his role in establishing the Association for Patient-Oriented Research (APOR).

Kamil Ugurbil is a Professor in the Departments of Radiology, Neurosciences, and Medicine, and holds the Margaret & H.O. Peterson Chair of Neuroradiology at the University of Minnesota. He is also the director of the Center for Magnetic Resonance Research at the University of Minnesota. K. Ugurbil was educated at Robert Academy, Istanbul (high school) and Columbia University, New York, N.Y. (A.B., and Ph.D. in physics, and chemical physics, respectively). He worked at AT&T Bell Laboratories after receiving his PhD in 1977, and subsequently returned to Columbia University in 1979 as an Assistant Professor in Biochemistry. In 1982, he moved to the University of Minnesota as an Associate professor. In 1990, his laboratory at the University of Minnesota was designated as an interdepartmental research Center called the Center for Magnetic Resonance Research (CMRR). CMRR pioneered the development of imaging and spectroscopy techniques for biological imaging and in vivo chemistry using high magnetic fields and was one of the two laboratories that independently and concurrently developed magnetic resonance imaging of brain function (or fMRI). Today the CMRR conducts some the highest field MR studies of biomedical questions in systems ranging from animal models to humans, with a particular focus on brain function and neurochemistry. Dr Ugurbil is the author of more than 180 papers published in peer reviewed journals and has presented over 250 invited lectures. He was the 1993 Werner-Gren Distinguished Lecturer at the Karolinska Institute in Stockholm and was awarded the Gold Medal from the International Society of Magnetic Resonance Research in 1996.

GRAND Steering Committee (as of 2-7-06)

Warren K. Ashe, Ph.D., M.S.
Associate Dean for Research
Howard University Coll of Med

Theodore J. Cicero, Ph.D., M.S.
Vice Chancellor of Research
Washington U in St Louis SOM

Rose S. Fife, M.D. – **Chair Elect**
Associate Dean for Research
Barbara F. Kampen Professor of Indiana Univ.
School of Med

Maria F. Lima, Ph.D.
Dean, School of Graduate Studies
Meharry Medical College

Richard B. Marchese, Ph.D.
Professor and Senior Associate
Dean Biomedical Research
University of Alabama SOM

Charles F. Moldow, M.D.
Associate Dean for Research Programs &
Administration
U Minnesota Medical School

Leonard H. Rome, Ph.D., M.S. – **Chair**
Senior Associate Dean for Research
UC Los Angeles Geffen SOM

Peter R. Shank, Ph.D.
Associate dean of Medicine and Biological
Science (Research)
Brown Medical School

Future Meetings

2006

AAMC Annual Meeting
October 27 – November 1, 2006
Seattle, WA

