



Tropical Medicine Hygiene News

Volume 50 Number 4

August 2001

Society Elections Slated

Ballots for the 2002 Council elections were mailed out in July and are due to ASTMH headquarters by August 31. The candidates for president-elect are Thomas P. Monath, Acambis, Inc. and William A. Petri, Jr., University of Virginia. The candidates for councilor are Anthony A. James, University of California at Irvine; Margaret A. Phillips, University of Texas Southwestern Medical School; Connie S. Schmaljohn, USAMRIID; and Mark L. Wilson, University of Michigan.

Annual Meeting Update: This year's annual meeting will take place from November 11 - 15, 2001, at the Hilton Atlanta Hotel and Towers. Hotel information is available on the web at www.astmh.org or by calling (847 480 9592) or emailing (astmh@astmh.org) the Society office in Northbrook, IL. Registration information will be available soon. Preliminary program highlights are given below:

- The **Pre-Meeting Course**, "Updates in Special Bacterial Pathogens," will be held on November 10-11, immediately preceding the ASTMH 50th Annual Meeting. This one and one-half day course will focus on new

developments in special bacterial pathogens, such as those that cause plague, anthrax, botulism, melioidosis, shigellosis, and others.

- **Late Breaker abstracts** All Late-Breaker abstracts should be in by 5:00PM EST, Sunday October 28th, 2001. They should be submitted electronically using procedures described on the web page. The abstracts then are forwarded to Kim Lee Sim and myself for review. Authors will be notified no later than November 2 as to whether they will present orally or if they should prepare a poster.

- **Student Book Award** The American Committee on Clinical Tropical Medicine and Travelers' Health (ACCTMTH), in conjunction with Oxford University Press, will award a Student Book Prize. The purpose of the award is to recognize excellence in research presented by a student at the annual meeting. The application deadline is September 1, 2001. To obtain an application, please visit the ASTMH web site at www.astmh.org or contact ASTMH at 847/480-9592, fax 847/480-9282, e-mail astmh@astmh.org.

INSIDE

Society News
Current Trends
Items of Interest

65
67
70

Funding Opportunities
Job Mart
Calendar

72
74
77

SOCIETY NOTES

Certification Examination Exam 2001.

The next sitting for the Certification Examination is scheduled in conjunction with the ASTMH meeting in Atlanta on November 10th. **Applicants who have previously sat for the exam may re-take the test. All other applicants must apply via the diploma course pathway. See the ASTMH web site at www.astmh.org for more information.**

Intensive Review Course in Clinical Tropical Medicine and Travelers' Health.

ASTMH will hold an Intensive Review Course in Clinical Tropical Medicine and Travelers' Health, October 23-24, 2001 in San Francisco, California. This course will immediately precede the annual meeting of the Infectious Diseases Society of America (IDSA), also being held in San Francisco. This course provides a broad overview of core topics in clinical tropical medicine and travelers' health. Presented in a two-day condensed format, it is an excellent review for health care professionals. It should also be of assistance to individuals planning to take the ASTMH exam. For more informa-

tion on this course, visit the ASTMH web site at www.astmh.org or contact astmh@astmh.org.

Burroughs Wellcome Fund-ASTMH Fellowship Deadline Nears. Applications are due by **September 15th 2001** for BWF-ASTMH Fellowships in Tropical Infectious Diseases. This postdoctoral fellowship is intended to stimulate interest in tropical infectious disease *research*, and provides support for individuals to perform research in tropical infectious diseases. Funding is available for a twelve-month period, at least three of which must be spent working on research in a collaborative site in a tropical or developing area. To obtain an application, visit the ASTMH web site at <http://www.astmh.org> or contact astmh@astmh.org.

The first BWF-ASTMH Fellowship has been awarded to Krystn Wagner of Johns Hopkins University for her research entitled "Molecular Beacons for Rapid Diagnosis of Mycobacterium Tuberculosis", which will be conducted in Rio de Janeiro.

Kean Fellowship Recipients. The recipients of the 2001 Benjamin H. Kean Traveling

Tropical Medicine & Hygiene News

Official Bulletin of the American Society of Tropical Medicine and Hygiene

Editor

Kathryn S. Aultman, PhD

Editorial Board

Karl A. Western, MD, DTPH

Mitzi Sereno

ASTMH Officers 2000-2001

Stephen L. Hoffman, MD, DTMH, President

Michele Barry, MD, President Elect

Duane J. Gubler, ScD, Past President

Peter F. Weller, MD, Secretary Treasurer

William A. Petri, MD, PhD, Scientific Program Chair

James Kazura, PhD, Editor, *The American Journal of Tropical Medicine and Hygiene*

Kathryn S. Aultman, Editor, *Tropical Medicine and Hygiene News*

Councilors

Robert E. Shope, MD - 2001

Terrie E. Taylor, DO - 2001

David O. Freedman, MD - 2002

David C. Kaslow, MD - 2002

Peter Hotez, MD, PhD - 2003

Christopher Plowe, MD, MPH - 2003

Larry Laughlin, MD, 2004

Jamie Maguire, MD, 2004



Secretariat Staff

Executive Director: Kevin Hacke

Administrative Director: Judy DeAcetis

© 2001 by the American Society of Tropical Medicine and Hygiene. *Tropical Medicine and Hygiene News* is published bi-monthly by the American Society of Tropical Medicine and Hygiene, 60 Revere Dr., Suite 500, Northbrook, IL 60062, Tel: 847/480-9592, Fax: 847/480-9282, E-mail: astmh@astmh.org. (ISSN# 0041-3275).

All submissions for publication in *Tropical Medicine and Hygiene News* should be sent to the Editor at 4818 Ponderosa Dr., Annandale, VA 22003 USA, Fax: 301/402-0659, E-mail tmhn-editor@ix.netcom.com

Statements or opinions expressed in the *Tropical Medicine and Hygiene News* are those of the author(s) and do not necessarily reflect the official position of the American Society of Tropical Medicine and Hygiene (ASTMH), the Editor or the organizations with which the authors are affiliated. The Editor and ASTMH disclaim any responsibility or liability for such material and do not guarantee, warrant or endorse any product or service mentioned; nor do they guarantee any claim made by the manufacturer or provider of such product or service. Official ASTMH positions are established only by its Council.

Fellowship in Tropical Medicine, along with their overseas study location are Peter Crompton, Massachusetts General Hospital, Honduras; Amy Dechet, University of California at San Francisco, Uganda; Meg Doherty, Massachusetts General Hospital; South Africa; William Fischer; University of North Carolina at Chapel Hill; Uganda; Danny Milner, Brigham and Women's Hospital, Malawi; Tuan Tran, Emory University, Brazil.

CURRENT TRENDS

Large-scale AIDS Facility Slated for Africa
Gorund will be broken soon on the first large-scale aids medical training facility in Africa. Construction of the Kampala, Uganda facility will be funded by the Pfizer Foundation. It will be operated by an international consortium, the Academic Alliance for AIDS Care and Prevention in Africa. The Alliance is a collaboration of the Infectious Diseases Society of America (IDSA), Makerere University, international and local non-governmental organizations, the San Francisco AIDS Foundation and participating pharmaceutical research-based companies. It will be headed by globally renowned experts on AIDS and infectious diseases.

The Alliance was established by Drs. Merle Sande (University of Utah), Thomas Quinn (Johns Hopkins University and the US National Institutes of Health), Jerrold Ellner (New Jersey Medical School), Allan Roland () King Holmes (University of Washington), and Michael Scheld, M.D. (University of Virginia) Scheld is also Vice President of the IDSA, chair of its international AIDS committee and an internationally recognized authority on infectious diseases, especially central nervous system infections. Since the early days of the AIDS epidemic, the IDSA has assumed a leading role in supporting research, disseminating new knowledge and training healthcare workers in AIDS care. In the mid-1980s, the IDSA developed four centers in the U.S. to train foreign physicians, especially those from African nations. Today there are far

more applicants for these positions than there are training slots available. For this reason, the IDSA has agreed to support a center in Kampala in association with the Alliance to expand training activities for African physicians.

Pfizer's support of the Uganda facility comes after its announcement at the United Nations last week that it will offer Diflucan anti-fungal medicine at no charge to HIV/AIDS patients in more than 50 least-developed countries as identified by the UN where HIV/AIDS is most prevalent. While Diflucan is not a treatment for HIV/AIDS, it has proven highly effective in treating two opportunistic infections, cryptococcal meningitis and esophageal candidiasis. The Diflucan Partnership expands on an existing program in South Africa that is a collaboration between Pfizer and the South African Ministry of Health.

Africa lacks wide access to the new generation of medicines, known as anti-retrovirals (ARVs) or protease inhibitors, which are combined with anti-fungals and other medicines that fight AIDS-related opportunistic infections to make up the so-called "AIDS cocktails." According to Samuel Luboga, M.D., Ph.D., Associate Dean of the Makerere School, one of the goals of the clinic will be to put more patients under ARV treatment and use diagnostic technology to monitor them and determine what kind of ARV treatments would be appropriate for Africa. The Alliance is in negotiations with companies that manufacture ARVs so that it will have supplies on hand when the clinic opens.

The Alliance is working closely with the Ugandan medical and public health community and will actively seek assistance from the Ugandan Minister of Health, local organizations, the staff and faculty of Makerere University Medical School and Mulago Hospital, the national hospital of Uganda. Uganda has been widely praised for the great strides it has made in fighting the AIDS epidemic. The government has fo-

cused intensively on combating AIDS under the leadership of President Yoweri K. Museveni, which has led to a sustained, dramatic reduction in the number of new HIV infections.

Follow the Money . . . Other Funding Trends

Meningitis in Sub-Saharan Africa The Bill & Melinda Gates Foundation announced a grant of \$70 million in support of a partnership between the Seattle-based Program for Appropriate Technology in Health (PATH) and the World Health Organization (WHO) to eliminate meningitis epidemics in sub-Saharan Africa. The newly created Meningitis Vaccine Project is a ten-year partnership effort to develop and introduce a meningococcal conjugate vaccine in Africa. This vaccine is expected to provide immunity in infants, elicit longer duration of protection and interrupt transmission for prevention of epidemics. Development and introduction of this conjugate vaccine entails the establishment of a partnership with the private sector and many other groups such as the U.S. Centers for Disease Control and Prevention as the leading technical partner. Between 1988 and 1997, 704,000 cases of meningitis and 100,000 deaths were reported in the so-called "African meningitis belt," which stretches from Ethiopia in East Africa to The Gambia in the west. The largest recorded epidemic, with more than 200,000 cases and 20,000 deaths reported, occurred in 1996. These reports typically substantially underestimate the actual burden of the disease. Epidemic meningitis attacks a broad age range, with young people at particular risk. For additional information, visit www.gatesfoundation.org.

CDC Initiates Extramural Grants Program

The US Centers for Disease Control have announced several new grant programs. on their website at present (see below and in Funding Opportunities) will be used to commit funds during the current fiscal year; the deadlines are consequently very short. While it is unlikely that readers will be able

to prepare an application for this round, the website should be a source of information about future funding opportunities.

The Centers for Disease Control and Prevention (CDC) announces the availability of fiscal year (FY) 2001 funds for a cooperative agreement program for **Global Malaria Prevention and Control**. The purpose of the program is to expand the involvement of organizations in the global Roll Back Malaria (RBM) effort and to foster endemic-country action in malaria prevention and control program implementation and the relevant ancillary activities (e.g., baseline evaluation, strategy development, training, monitoring and evaluation, focused operations research to further the program implementation). Assistance will be provided to public and private nonprofit organizations and their agents, including public and nonprofit faith-based organizations. Examples of activities that would be appropriate to propose under this announcement include public health capacity building for government or institutions contributing to malaria prevention and control; Increase the public's access to effective antimalarial drugs and appropriate management of malaria illness to reduce malaria-associated mortality or the severity and duration of malaria illness; Reduce exposure to malaria, particularly among young children and pregnant women, through the use of proven malaria control interventions; Prevention of malaria and its adverse consequences during pregnancy; Assess RBM program progress; Operations research. For additional information see the CDC website at <http://www.cdc.gov/od/pgo/funding/00005B-guide.htm> Submission Deadline: **August 13, 2001**

CDC issues request for applications to AAMC members The Centers for Disease Control and Prevention (CDC), under its cooperative agreement with the AAMC, have issued a request for applications (RFA) to AAMC members for up to two awards

totaling approximately \$700,000 for fiscal year 2001. The award(s) will begin on or about Sept. 30, 2001, and will be made for a 12-month budget period within a project period of up to three years. The RFA seeks projects that address unexplained diarrhea through sentinel surveillance, identifying incidence and relative frequencies of illness caused by Category II pathogens that likely account for a large proportion of diarrheal illness. Applicants should have the capacity to conduct advanced microbiologic testing, including morphologic and biochemical tests, immunoassays, cell culture assays, and nucleic hybridization and amplification tests to identify and characterize bacterial, parasitic, and viral enteric pathogens. A letter of intent including the name and address of the interested institution as well as the name, address, and telephone number of a contact person is requested by June 19 to enable the AAMC to determine the level of interest in this RFA. Full grant applications are due **July 24**. Information: Deborah Danoff, AAMC Division of Medical Education, 202.828.0982, ddanoff@aamc.org.

New MMV Projects Unveiled The Medicines for Malaria Venture, a public-private partnership for the discovery and development of new anti-malarial drugs, is developing a strategy that utilizes existing scientific opportunity to meet both short term and long term drug development needs. In the short term, great hope is attached to the extended use of artemisinin derivatives, drugs derived from a Chinese herb *Artemisia annua*. Two projects use this approach in combination with other recognized anti-malarial drugs. In the medium to longer term, MMV seeks to bring forward new classes of drugs, both alone and in combination, to meet the future challenges of drug resistance and other areas of medical need. The availability of the malaria genome,

expected to be finalized later this year, will generate new information that will be a tremendous asset to this long-term goal. MMV is currently funding three exploratory projects and three discovery projects for an amount of USD 4.2 million in 2001. A total of eight new projects, approved for *potential* funding in 2001, have just been added to this pipeline and will bring total project funding for the current year up to approximately USD 10 million. If current fund raising targets are reached, total project funding in 2002 is expected to be approximately USD 15 million. Projects recommended by MMV's Expert Scientific Advisory Committee are usually composed of partners from academia and the pharmaceutical industry. Projects initiated in 2000 are

- *Heme polymerization inhibition* University of California at Berkeley, USA.
- *Dihydroorotate dehydrogenase inhibition*, University of Leeds, UK.
- *Dihydrofolate reductase (DHFR) inhibition*, National Science and Technology Development Agency, Bangkok Thailand.
- *Lactate dehydrogenase (LDH) inhibition*, Bristol University, UK, London School of Hygiene and Tropical Medicine, Glaxo SmithKline, Madrid.
- *Cysteine protease inhibition*, University of California, San Francisco, GlaxoSmithKline, Philadelphia.
- *Synthetic peroxide*, University of Nebraska USA, Swiss Tropical Institute, Basel, Monash University Australia, F.Hoffmann-LaRoche, Basel Switzerland.

Projects under discussion for funding in 2001

- *Plasmodium falciparum fatty acid biosynthesis*, Texas A + M, Albert Einstein College of Medicine, Jacobus Pharmaceuticals
- *Plasmodium falciparum protein farnesyl transferase inhibitors*, University of Washington, Seattle, Yale University and Schering Plough Research Institute

CURRENT TRENDS (CONT'D.)

- *Development of a semi-synthetic endoperoxide*, Bayer AG and Hong Kong University of Science and Technology
- *Development of third generation antifolate malarial drug combinations*, Walter Read Army Institute for Research and Jacobus Pharmaceuticals
- *Development of a novel and superior 4-aminoquinoline*, University of Liverpool and GlaxoSmithKline
- *Development of intravenous artemisinin (artelinate) for severe malaria*, Walter Read Army Institute for Research
- *Development of chlorproguanil-dapsone-artesunate combination*, GlaxoSmithKline and University of Liverpool, UK; in collaboration with WHO
- *Development of pyronaridine-artesunate combination*, Shin Poong Pharmaceuticals, Korea; in collaboration with WHO

Additional information can be obtained from Medicines for Malaria Venture (MMV), International Center Cointrin, Block G, 3rd Floor, 20, route de Pré-Bois, PO Box 1826, 1215 Geneva 15, Switzerland, phone +41 (22) 799 4078, Fax: +41 (22) 799 4061, or on the internet at <http://www.mmv.org>

Gates Foundation Commits \$100 million to the Global Fund for AIDS and Health

The foundation used the occasion to call on other organizations and governments around the world also to support the new fund. United Nations Secretary-General Kofi Annan issued a "Call to Action" to combat HIV/AIDS and proposed the creation of a Global Fund dedicated to mobilizing, managing and disbursing funds in the battle against HIV/AIDS. The goal of the Fund is to reverse the spread of HIV/AIDS and other infectious diseases and reduce the consequences of these illnesses between now and 2010. Current data from the WHO are

- More than three million people worldwide died from HIV/AIDS in 2000, and 5.3 million more became infected with HIV;
- More than 13 million children have been orphaned by HIV/AIDS — by 2010, 40 million will have lost one or both parents to AIDS; and
- Worldwide, the number of women living with HIV/AIDS is on the rise. And in most African countries, adolescent girls are eight times more likely than boys to contract HIV.

Nowhere is the HIV/AIDS crisis more profound than in sub-Saharan Africa — 25.3 million of the 36.1 million people living with HIV/AIDS are found in the region. With new infections rising and the need to care for the increasing number of HIV/AIDS patients, most countries in Africa lack the economic capacity and infrastructure to handle the economic and health costs of the disease. In Botswana, for example, AIDS will reduce the government budget by 20%, erode development gains and decrease the income of the poorest households by 13% in the next ten years. In other parts of the world, the challenge is also extraordinary. In 2000, infection rates in Eastern Europe and Russia nearly doubled. AIDS has become a major cause of death among members of the 15-44 year old age group in several countries in the Caribbean basin.

West Nile Virus Found in Florida A WNV-positive bird has been reported from Florida; this is the southernmost detection of WNV in the United States. The tally for 2001 stands at: New Jersey 14, Maryland 4, New York 2, Rhode Island 2, Connecticut 1 and Florida 1. Another new development is the finding of WNV-positive mosquitoes from New Jersey and Delaware. A sample of mosquitoes collected in Little Creek, just east of Dover, tested positive for West Nile virus; the first mosquitoes carrying the virus found in Delaware. The discovery, announced on Fri 29 Jun 2001, prompted state health officials to recommend precautions

to protect against mosquito bites, such as wearing long-sleeved shirts and long pants outdoors, using insect repellents that contain 10 percent to 30 percent DEET and avoiding mosquito-infested areas.

On the Run - Foot and Mouth Disease

Foot-and-mouth disease (FMD) has been eradicated from the 15-nation European Union except for Britain, EU Health and Consumer Protection Commissioner David Byrne said Friday. The EU commissioner said a new European food authority providing expertise and monitoring new forms of danger from foodstuffs was expected to go operational next year. The Brussels Commission would also carry out a reappraisal of the rules concerning vaccination to prevent FMD. The disease had been "eradicated in all the member-states except the United Kingdom," he said. The outbreak was largely under control at European level. "But a high level of vigilance remains an imperative in all member-states," Byrne stressed. An appraisal-in-depth had been in progress since April on all aspects of EU legislation concerning control and eradication of foot-and-mouth. A conference on the topic expected in the autumn would examine whether vaccination ought to be used as a preventive measure.

Staph Bacteria are Prolific Gene

Swappers, Researchers Show Scientists from the National Institute of Allergy and Infectious Diseases (NIAID) have demonstrated how *Staphylococcus aureus* has repeatedly adapted to novel environments and conditions. The research offers new approaches to antibiotic and vaccine design, and answered long-standing questions about the origins of two diseases: toxic shock syndrome (TSS) and antibiotic-resistant infections. "We have long wondered how TSS and methicillin-resistant staph strains took hold in the population," says study director James Musser, M.D., Ph.D., a bacteria researcher from NIAID's Rocky Mountain Laboratories in Hamilton, Mont. "The debate among microbiologists has been, did isolated strains pick up new genes once and

then spread through the population, or did the bacteria acquire the genes on multiple occasions? Our research clearly shows the second explanation is correct." While the discovery likely settles the debate it raises a concern about how easily bacteria can become dangerous. In the study reported in the *Proceedings of the National Academy of Sciences*, first author Ross Fitzgerald, Ph.D., and colleagues from Dr. Musser's lab compared the genes of 36 different *S. aureus* strains to determine which genes help each strain survive, using DNA microarray analysis to rapidly screen their samples. Nearly a fourth of the genome was dispensable, consisting of genes that were not required for the bacteria's basic life processes. These so-called contingency genes provide flexibility in the bacterium's ability to cause disease in humans, cows and other organisms, explains Dr. Musser. The discovery opens new avenues for research in pathogenic bacteria. "We are now looking to see if particular strains are adept at transferring or picking up genes so that we can know which strains we should be hypervigilant about," says Dr. Musser. His laboratory is also comparing different strains to select proteins they have in common for additional research. "DNA microarrays provide a finer microscope for dissecting bacterial genetics, and permit a rational strategy for vaccine and drug design."

ITEMS OF INTEREST

Eukaryotic Cell Officially Launched The American Society for Microbiology (ASM) has launched a new journal, *Eukaryotic Cell*, which will publish reports of basic research on eukaryotic microorganisms such as yeasts, fungi, algae, protozoa and social amoebae. Topics include, but are not limited to; basic biology; molecular and cellular biology; mechanisms and control of developmental pathways; structure and form inherent in basic biological processes; cellular architecture; metabolic physiology; comparative genomics, biochemistry and

evolution; ecology and population dynamics. In addition, the journal will consider manuscripts dealing with the viruses of these organisms and their organelles and with interactions with other living systems, where the focus is clearly on the eukaryotic cell." The first issue of this journal will appear on February 1, 2002.

New Exhibit at NLM The National Library of Medicine presents "The Once and Future Web: Worlds Woven by the Telegraph and Internet," an exhibition that explores the power of instant communication, from the invention of the telegraph to the evolution of the Internet. The exhibition opens to public on Thursday, May 24, 2001 and will close on Tuesday, July 30, 2002.

Miss the Exhibit? Catch the website In 1999 the American Museum of Natural History in New York City presented a widely acclaimed exhibit on infectious disease. If you did not make it to see for yourself, check out the new website. Entitled "Epidemic: The World of Infectious Disease" Website <http://www.amnh.org/exhibitions/epidemic/index.html> has a little something for everyone.

Another Website About Viruses The Big Picture Book of Viruses is intended to serve as both a catalog of virus pictures on the Internet and as an educational resource to those seeking more information about viruses. To this end, it is intimately linked to [All the Virology on the WWW](#), and our collection of Virology Courses and Tutorials. http://www.tulane.edu/~dmsander/Big_Virology/BVHomePage.html

EPA has their Cost of Illness Handbook on the web. The URL: <http://www.epa.gov/oppt/coi/> The Cost of Illness Handbook contains information on the per capita incremental direct medical costs associated with the various illnesses linked to environmental pollutants. The handbook contains cost data for numerous cancers, developmental diseases and disabilities, respiratory diseases, acute diseases, and additional illnesses.

Transfer of Paul Beaver Collection from Tulane to CDC In March, 1999, the Department of Tropical Medicine, Tulane University, transferred possession of an extensive collection of parasite materials to Mark Eberhard, Chief, Biology and Diagnostics Branch, Division of Parasitic Diseases, CDC. Begun in 1945 and continuing until his death in 1993, this collection was the life long work of Paul Beaver, Ph.D. This collection, designated The Beaver Collection, encompasses well over 50,000 glass slides, wet tissues, and other parasite material that Dr. Beaver amassed, catalogued, and archived during his long and distinguished career at Tulane University. The collection also had significant contributions from well-recognized Tulane faculty and former students, including Drs. Larry Ash, Dale Little, Tom Orihel, and Antonio D'Alessandro. The collection consists of materials on virtually all parasitic tissue infections recognized to occur in humans, and represents not only a wealth of training and teaching materials, but a tremendous reference and research resource. The collection will be housed in the Biology and Diagnostics Branch within the Division of Parasitic Diseases, CDC, where it will serve as the focus for a still growing collection and interest in parasites in tissue. Under CDC's stewardship, the collection will be available to those who seek to use it for research, reference, and educational purposes.

FUNDING

TDR Program Grant for Research Capacity Strengthening Call for Letters of Intent TDR is inviting institutions or research groups in least developed endemic countries (LDCs) and low income / high disease burden countries with limited capacity for research, to submit letters of intent for Research Capacity Strengthening Program Grants. Program Grant Profile The grants will support long-term institutional plans designed as a multidisciplinary research development program rather than an isolated research

project. The grants are expected to:

- * develop research leadership to promote the development of infrastructure and research environment;
- * improve training opportunities, scientific expertise in biomedical and social sciences areas, information and communication systems;
- * foster opportunities for collaboration with scientists and institutions in advanced developing and industrialized countries.

Proposals will be developed with TDR's assistance and will be reviewed on the basis of a sound scientific development plan, relevant research project(s) and explicit expected outcomes. The research projects are expected to address areas on the interface between laboratory-oriented research and applied field research with the aim of extending, where possible, research findings into policy and practice. Proposals should be developed around one or more of TDR's target diseases. Financial support is available for an initial period of up to three years (subject to annual reviews and satisfactory progress) with annual budgets at approximately US\$ 80 000. Long-term support will be considered on a case-by-case basis for successful projects of high impact potential. Applications will be accepted by email only (rcstdr@who.int). Background information and full details of how to apply are available in full text <http://www.who.int/tdr/grants/grants/rcs2.htm> or pdf versions <http://www.who.int/tdr/grants/grants/files/rcs.pdf> (35Kb). Selection will be announced in September with a deadline for submission of full proposals **15th November 2001**. For further information, please contact Dr F. Zicker zickerf@who.ch

HIV Prevention Conference Support

Grants The Centers for Disease Control and Prevention (CDC) announces the availability of fiscal year (FY) 2001 funds for a cooperative agreement program for Public Health Conference Support for Human Immunodeficiency Virus (HIV) Prevention. This program

addresses the "Healthy People 2010" focus area of HIV. Topics concerned with issues and areas other than HIV prevention should be directed to other public health agencies, or in accordance with the current Federal Register notice (see Federal Register Notice 01002, [65 FR 43765] published on July 14, 2000). The purpose of conference support funding is to provide PARTIAL support for specific nonfederal conferences in the areas of health promotion and disease prevention information/education programs. Because conference support by CDC creates the appearance of CDC cosponsorship, there will be active participation by CDC in the development and approval of those portions of the agenda supported by CDC funds. CDC funds will not be expended for nonapproved portions of meetings. In addition, CDC will reserve the right to approve or reject the content of the full agenda, press events, promotional materials (including press releases), speaker selection, and site selection. Contingency awards will be made allowing usage of only 10 percent of the total amount to be awarded until a final full agenda is approved by CDC. This will provide funds to support costs associated with preparation of the agenda. The remainder of funds will be released only upon approval of the final full agenda. CDC reserves the right to terminate co-sponsorship if it does not concur with the final agenda. Eligibility: Applications may be submitted by public and private nonprofit organizations and by governments and their agencies; that is, universities, colleges, research institutions, hospitals, other public and private nonprofit organizations, local governments or their bona fide agents, and federally recognized Indian tribal governments, Indian tribes, or Indian tribal organizations. State and local health departments may apply for funding only under Category 2. Conferences planned for July 1, 2001, through June 30, 2003, are eligible. Foreign organizations are not eligible to apply. Additional information can be found at <http://www.cdc.gov/od/pgo/funding/01025.htm>

JOBS

California Beckman Coulter has begun expansion of its newest business endeavor in San Diego, IMMUNOMICS OPERATIONS, which is devoted to the most exciting advance in T-cell analysis and clinical trial monitoring. This new technology, MHC Tetramers, unlocks the secrets of cellular immune response. We are currently looking for dynamic, team-oriented individuals who thrive and respond well to changing and dynamic project priorities in a new technology start-up environment. Immunomics Research is looking for a Ph.D./Protein Chemist with expertise in methodologies to determine protein folding, structure, and function, such as CD, NMR, and MS, and proficiency in protein purification, modification, SDS-PAGE, etc. Experience with structure-based protein modeling preferred. Should be capable of directing research independently in area of expertise; maintain focus on key research issues; work efficiently in team environment; communicates effectively; maintains and expands high level of professional expertise. Prefer Ph.D. with proven track record or BS with 10+ years experience or MS with 7+ years experience. Motivated candidates should submit their cv/salary requirements to: Beckman Coulter, P.O. Box 269006, San Diego, CA 92196, or email us at: sdhr@beckman.com or fax (858) 621-4751. Please refer to Job Req# 01-9030-0000-005

California Researcher *Origen Therapeutics, Inc.* is a biotechnology company focused on avian transgenesis and is the leader in genetic engineering of avian species utilizing embryonic stem cell-based technologies. We are currently seeking a hands-on researcher with a keen knowledge of cell molecular biology to join our growing R&D team. In this position, you will join a group working to develop human polyclonal antibodies in the chicken. The successful candidate will enjoy working on a multifaceted project with a variety of duties in molecular biology and cell culture. Your

main focus will be to work with the group in building gene targeting vectors, growing, transfecting, and analyzing chicken cell lines. Qualifications: MS in biology with 2 years experience in cell culture and molecular biology. Preference will be given to candidates with expertise in library screening, PCR, Southern blot hybridization, and FISH. Origen Therapeutics offers competitive salaries and benefits, attractive stock options, and a collaborative stimulating research environment. EOE Please send resume to: Origen Therapeutics, Inc., Human Resources, Job Code 023-SJ, 1450 Rollins Road, Burlingame, CA 94010, fax: 650-558-7799, email: hr@origentherapeutics.com

Connecticut PhD Research Scientist, Molecular Biology *Cellular Genomics, Inc.* You will support our projects in target identification and validation. Candidate has demonstrated expertise in all aspects of molecular biology: recombinant DNA cloning, PCR, site-directed mutagenesis, Northern and Southern blotting, DNA and RNA purification and analysis. Experience with cDNA library construction and mammalian statement systems desired. Background in signal transduction a plus. PhD in biology/biological sciences + 2 years or more postdoctoral experience. Candidate should be a motivated team player. CGI is an emerging biotech company using integrated proprietary technologies to identify and validate drug targets, and to directly enable drug discovery via the implementation of cell-based drug screens. CGI offers a spirited, entrepreneurial, and intellectually stimulating environment. The company's competitive compensation package includes a generous stock option plan. Please send cover letter and CV to: jobs@cellulargenomics.com

Florida CD3/An Interdisciplinary Center for Biomolecular Research University of Central Florida, Orlando, FL CD3, a University of Central Florida state-funded interdisciplinary center for biomolecular research, seeks applications and nominations for Director. The Director will provide leadership and

creative vision to further develop the Center as a national leader in research and education in the post-genomic era. CD3 has active collaborations with departments of Biology, Chemistry, Molecular Biology and Microbiology, Physics, the School of Optics/CREOL, and the School of Electrical Engineering and Computer Sciences. The University of Central Florida is a rapidly growing university of 33,000 students with an outstanding technology-based infrastructure and a commitment to develop niche areas in the biomolecular sciences and biotechnology. UCF is in Orlando, a dynamic and progressive metropolitan region, which is emerging as a major player in the high-tech growth of the Central Florida region. Applicants must have a Ph.D., M.D. or equivalent degree in a relevant area. The successful applicant should also have demonstrated leadership ability; a record of internationally recognized, competitively funded research in some aspect of biomolecular science; participation in academic programs; and proven interpersonal skills. The Director, who reports directly to the Vice President for Research, is expected to work closely with the deans and chairs of academic departments, and is also expected to contribute to the success of a newly established interdisciplinary Ph.D. in Biomolecular Sciences. Review of applications will begin **September 1, 2001**, and will continue until the position is filled. Applicants should submit a letter of interest and a *curriculum vitae* to: Nancy Lynch, Office of Academic Affairs, Millican Hall 311, University of Central Florida, Orlando, FL 32816, Inquiries may be made to: John Schell, schell@mail.ucf.edu, Phone: 407-823-4197. *The University of Central Florida is an affirmative action/equal opportunity employer, and it encourages applications from minority candidates. As an agency of the State of Florida, UCF makes all application materials and selection procedures available for public review*

Maryland The National Institute of Diabetes and Digestive and Kidney Diseases (NIDDK), National Institutes of Health (NIH) invites

applications for a tenured position as Chief of the newly created Laboratory of Biological Modeling (LBM). LBM will contain a number of scientists who use computational approaches to understand biological systems. Specific areas of research interest will include: bioinformatics, molecular biophysics, and mathematical simulation. Priority will be given to applicant's equivalent to a university full professor. The applicant must have a proven record of accomplishments. He/she will be expected to formulate a plan for and provide administrative leadership for LBM and to propose and pursue an independent research program in one of these fields. The position offers unparalleled opportunities for the interdisciplinary collaboration within NIDDK and throughout NIH. The Laboratory of Biological Modeling of NIDDK will be located on the main intramural campus of the NIH in Bethesda, Maryland, a suburb of Washington, D.C. Interested applicants should send a Curriculum Vitae and list of publications, a plan for LBM including research goals and organization, copies of three major publications, a summary of research accomplishments, a plan for future research, and three letters of recommendation to: Dr. William Eaton, Chair, Search Committee, Laboratory of Chemical Physics, NIDDK, Building 5, Room 104, NIH, Bethesda, MD 20892. NIH is an Equal Opportunity Employer

Michigan *Postdoctoral Researcher*, Michigan State University The Gene Expression in Development and Disease Focus Group, Michigan State University, Is searching for highly qualified postdoctoral researchers with interest in gene regulation and transcription. *Faculty: David Arnosti* - transcriptional repression in *Drosophila* development; *Zachary Burton* - RNA polymerase II mechanisms and TGIIF; *Michele Fluck* - transcription and replication in polyoma virus infection; *James Galgen* - X-ray structural analysis of transcription factors; *Bill Henry* - Rb and p53 regulation of snRNA synthesis mediated through SNAPc; *Lee Kroos* - transcriptional control of bacterial development; *Min-Hao Kuo* - chromatin modifications and gene regulation; *Steve*

JOBS (CONT'D)

Triezenberg - transcriptional activation in herpes simplex virus infection and plant adaptation; <http://www.bch.msu.edu/GEDD>
MSU is an affirmative action, equal opportunity institution.

New York Faculty Position, Department of Microbiology New York University School of Medicine The Department of Microbiology is seeking candidates for tenure-track faculty positions at the Assistant, Associate or Full Professor level. While qualified applicants in a variety of microbiology disciplines will be considered, applicants in the fields of prokaryotic molecular biology, microbial pathogenesis, viral-host cell interactions and viral persistence are particularly encouraged to apply. Our department represents a range of research strengths including mechanisms of viral and bacterial pathogenesis, host cell defense mechanisms, microbial and molecular genetics, oncogenesis, signal transduction by growth factors and cytokines, and regulation of gene expression at the transcriptional and translational level. Recruitment is part of a school-wide plan for development of an infectious diseases program that will complement our existing strengths in these areas. Applications should include a curriculum vitae, a statement of research interests, reprints and preprints, and three letters of reference to be forwarded separately. Send applications to: Department of Microbiology Search Committee, Attn: Dr. Robert J. Schneider, New York University School of Medicine, 550 First Avenue, New York, NY 10016, Telephone: 212-263-5324, Application deadline: **September 1, 2001**.

New York Postdoctoral Fellow in Molecular Virology and Viral Oncogenesis. Research will be in the area of Hepatitis B viruses and their role in liver cancer. The position will utilize cDNA microarray technologies to investigate the genome wide changes in transcription brought about by HBV infection. New applications of microarray technologies will also be investigated. A Ph.D.

in a relevant discipline is required. M.D. with relevant research experience and publications will be considered. Position is in the laboratory of Dr. Charles E. Rogler. Applicant must be a current legal resident of the United States. Please send resume plus the names of three referees to: Dr. Charles E. Rogler, Department of Medicine, Albert Einstein College of Medicine, Jack & Pearl Resnick Campus, 1300 Morris Park Avenue, Bronx, N.Y. 10461. Email: crogler@aecom.yu.edu

New York The Department of Microbiology is seeking candidates for tenure-track faculty positions at the Assistant, Associate, or Full Professor level. While qualified applicants in a variety of microbiology disciplines will be considered, applicants in the fields of prokaryotic molecular biology, microbial pathogenesis, viral-host cell interactions and viral persistence are particularly encouraged to apply. Our department represents a range of research strengths including mechanisms of viral and bacterial pathogenesis, host cell defense mechanisms, microbial and molecular genetics, oncogenesis, signal transduction by growth factors and cytokines, and regulation of gene expression at the transcriptional and translational level. Recruitment is part of a school-wide plan for development of an infectious diseases program that will complement our existing strengths in these areas. Applications should include a curriculum vitae, a statement of research interests, reprints and preprints, and three letters of reference to be forwarded separately. Send applications to: Department of Microbiology Search Committee, Attn: Dr. Robert J. Schneider, New York University School of Medicine, 550 First Avenue, New York, NY 10016. Telephone: 212-263-5324 **Application deadline: September 1, 2001** New York University School of Medicine is an Affirmative Action/Equal Opportunity Employer

TEXAS NIH-funded postdoctoral position immediately available in the College of Veterinary Medicine at Texas A&M Univer-

sity. Project involves genetic manipulation of *Brucella* sp., intracellular trafficking, animal and tissue culture models of infection and immunity. Areas of study include: host-pathogen interaction, mechanisms of intracellular survival, vaccines, and antimicrobial therapeutics. Requirements: Ph.D. in Genetics, Immunology, Microbiology, or related field. Experience in tissue culture, immunology, and infectious disease research is desirable. Salary is negotiable. Submit cover letter, CV, and names of three references to: Dr. Thomas A. Ficht, Veterinary Pathobiology, TAMUS 4467, College Station, TX 77843-4467.

Wisconsin Faculty Position UNIVERSITY OF WISCONSIN – MADISON The Department of Animal Health and Biomedical Sciences seeks applicants for a tenure-track faculty position at the Assistant or Associate Professor level. Applicants must hold a Ph.D., Ph.D.-DVM or Ph.D.-MD degree, and have research interests in FUNCTIONAL GENOMICS as applied to eukaryotic or prokaryotic infectious diseases or disease resistance. Teaching will involve development of a basic undergraduate/graduate course in some aspect of functional genomics, and the option of offering an advanced course in specific areas of expertise. The department is committed to building its strengths in the functional genomics area, and encourages applications from individuals with interests in gene regulation, immunology, infectious diseases or microbial pathogenesis. This is the first of three faculty positions anticipated to be filled in this research area. Candidates should submit CV, statement of professional goals, research and teaching interests, and the names and addresses for 3-5 references to: Dr. Bruce M. Christensen, Chair, Search Committee, Department of Animal Health & Biomedical Sciences, 1656 Linden Dr., University of Wisconsin, Madison, WI 53706 (bmc@ahabs.wisc.edu, 608-262-3850). Review of applications will begin **August 15, 2001** and continue until the position is filled. *UW-Madison is an Equal Opportunity/Affirmative Action Employer. Unless confiden-*

tiality is requested in writing, information regarding applicants and nominees must be released upon request. Finalists cannot be guaranteed confidentiality.

CALENDAR

Edited by Karl Western

A complete list of future meetings of special interest and other meetings is available on the ASTM Home Page, <http://www.astmh.org>

2001

III International Meeting on "Respiratory Care" (Jakarta, Indonesia: September 1-3, 2001). Contact: Dr. Menaldi Rasmin. Phone/Fax: (62-21)-489-0744; E-mail : pactoldt@idola.net.id; Internet: <http://www.respina.com>.

XIX International "Papillomavirus" Conference (Florianopolis, Brazil: September 1-7, 2001). Contact: Conference Secretariat. E-mail: hpv2001@jz.com.br; Internet: <http://www.hpv2001.com>.

XXX Annual Conference of the Parasitological Society of Southern Africa (PSSA) and XV Annual Conference of the South African Association of Veterinary Technologists (SAAVT): "A Parasite Odyssey" (Gordon's Bay: September 9-12, 2001). Contact: Ms. Charleen Daries, Conference Coordinator, c/o South African Medical Research Council, PO Box 19070, Cape Town 7505, South Africa. Phone: (27-21)-938-0911; Fax: (27-21)-938-0200; Internet: <http://www.mrc.ac.za/conference/parasite>.

International Meeting of the Institute of Human Virology (Baltimore: September 9-14, 2001). Contact: Robin Serody. Phone: 410/328-8674; E-mail: jlowman@medicine.umaryland.edu.

Marine Biological Laboratory (MBL) "Molecular Parasitology" Meeting (Woods Hole, MA: September 12-16, 2001). Abstract and Deadline: June 15, 2001. Further information, abstract submission, and further information: <http://mpm.mbl.edu>.

Cold Spring Harbor Laboratory (CSHL) Meeting on "Microbial Pathogenesis and Host Response" (Cold Spring Harbor: September 12-16, 2001). Contact: Meetings and Courses Programs, CSHL, 1 Bungtown Road, Cold Spring Harbor, NY 11724. Phone: 516/367-8346; Fax: 516/367-8845; E-mail: meetings@cshl.org; Internet: <http://www.cshl.org/meetings>.

CALENDAR (CONT'D)

US Conference on "AIDS" (Miami: September 13-16, 2001). Contact: <http://www.nmac.org/usca2001>.

III International Conference of the Society for Vector Ecology (SOVE) (Barcelona: September 16-21, 2001). Contact: Local Arrangements Committee, Mosquito Control Service, Consell Comarcal del Baix Llobregat, Parc Torreblanca, CN 340 s/n. Sant Feliu de Llobregat, 08980 Spain. Phone: (34-93)-640-1399; Fax: (34-93)-630-0142; E-mail: committee@sove2001.org; Internet: <http://sove2001.org>.

XLI Interscience Conference on Antimicrobial Agents and Chemotherapy (ICAAC) Annual Meeting (Chicago: September 22-25, 2001). Contact: Meetings Department, ASM, 1752 N Street, NW, Washington, DC 20036. Phone: 202/942-9248; Fax: 202/942-9340; E-mail: meetingsinfo@asmusa.org; <http://www.asmusa.org>.

IX Asian Conference on "Diarrheal Diseases and Nutrition" (New Delhi: September 28-30, 2001). Contact: Prof. M.K. Bhan, Conference Secretary, Department of Pediatrics, Academic Block (Room 3054), All India Institute of Medical Sciences, Ansari Nagar, New Delhi 110029, India. Phone: (91-11)-696-3822; Fax: (91-11)-686-2663; E-mail: ascodd2001@delhi.as; Internet: <http://ascodd2001.delhi.as>.

American Society of Microbiology (ASM)-Society for General Microbiology (SGM) Conference on "Biodegradation, Biotransformation, and Biocatalysis" (San Juan, PR: October 2-6, 2001). Contact: ASM Meeting Department, 1752 N Street, NW, Washington, DC 20036. Phone: 202/942-9248; Fax: 202/942-9340; Internet: <http://www.asmusa.org/mtgsrc/mtsg.htm>.

Medcens Sans Frontieres (MSF) International Conference on the "Crisis of Neglected Diseases: Developing Treatments and Ensuring Access" New York City: October 4, 2001). No registration fee, but space is limited. Contact: MSM, 6 East 39th Street (8th Floor), New York City, NY 10016. Phone: 212/817-8215; Email: access-nyc@newyork.msf.org; Internet: <http://www.neglecteddiseases.org>.

II International Congress of "Parasitology and Tropical Medicine" (Kuala Lumpur: October 9-11, 2001). Contact: Secretariat (Attn: Dr. M.Y. Fong, Department of Parasitology, Faculty of Medicine, University of Malaya, 50603 Kuala Lumpur, Malaya. Phone: (60-3)-759-4755; Fax: (60-3)-759-4754; E-mail: fongmy@medicine.med.um.edu.my.

Global Forum for Health Research (GFAR) Forum

5 on "10/90 Gap in Health Research" Assessing the Progress" (Geneva: October 9-12, 2001).

Contact: GFAR, c/o World Health Organization, 20 Avenue Appia, 1211 Geneva 27, Switzerland. Phone: (41-22)-791-4260; Fax: (41-22)-791-4394; E-mail: forum5@globalforumhealth.org; Internet: <http://globalforumhealth.org>.

VI Annual Congress on "AIDS in Asia and the Pacific" (October 5-10, 2001). Contact: ICMS Pty Ltd, 84 Queensbridge Street, Southbank, Victoria 3006, Australia. Phone: (61-3)-9682-0244; Fax: (61-3)-9682-0288.

Institut Pasteur Euro-Conference on "Vaccines of the Future: From Rational Design to Clinical Development" (Paris: October 18-19, 2001).

Contact: Institut Pasteur Euro-Conferences, 28 rue du Docteur Roux, 75754 Cedex 15 Paris, France. Fax: (33-1)-4061-3405; E-mail: euroconf@pasteur.fr; Internet: <http://www.pasteur.fr/applications/euroconf>.

VI Meeting on "Trends in Invasive Fungal Infections" (Prague: October 18-21, 2001). Contact: TIFI-6, Concorde Services Limited, 42 Canham Way, London W3 7SR, UK. Phone: (44-20)-8743-3106; Fax: (44-20)-8743-1010; E-mail: tifi@concorde-uk.com.

CIXXX American Public Health Association (APHA) Annual Meeting "One World: Global Health" (Atlanta: October 21-25, 2001). Contact: APHA, 800 Eye Street, NW, Washington, DC 20001-3710. Phone: 202/777-2742; Fax: 202/777-2530; E-mail: apha@laser-registration.com; Internet: <http://www.apha.org/meetings>.

XXXIX Infectious Disease Society of America (IDSA) Annual Meeting (San Francisco: October 25-28, 2001). Contact: IDSA Meetings, 99 Canal Center Plaza (Suite 210), Alexandria, VA 22314. Phone: 703/299-0200; Fax: 703/299-0204; Internet: <http://www.idsociety.org>.

VIII European Conference on "Clinical Aspects and Treatment of HIV Infection" (Athens: October 27-31, 2001). Contact: EUROAIDS Secretariat, Panos Travel, 4 Filellinon Street, GR-10557 Athens, Greece. Phone: (30-1)-323-0380; Fax: (30-1)-324-5049; E-mail: euroaids2001@travelling.gr.

"Pediatric Infectious Disease" Conference (Monterey, CA: October 28-30, 2001). Contact: Meeting Design, 1730 Solano Avenue, Berkeley, CA 94707. Phone: 510/524-9500; Fax: 510/524-9369; E-mail: meetingsbd@aol.com.

American Society of Tropical Medicine and Hygiene (ASTMH) Annual Meeting (Atlanta: November 11-15, 2001). Contact: ASTMH Secretariat, 60 Revere Drive (Suite 500), Northbrook, IL 60062. Phone: 847/480-9592; Fax: 847/480-9282; Internet: <http://www.astmh.org>.

II "Global Holistic Health" Summit (Bangalore,

India: November 11-16, 2001). Contact: Marielle Holman Barnes, Assistant to the Secretary General. Phone/Fax: 888/522-6860; E-mail: holisticsummit@aol.com; Internet: <http://www.holisticmedic.org>.

Canadian College of Naturopathic Medicine Conference on "Natural and Holistic Approaches to the Treatment of HIV/AIDS" (Toronto: November 17-18, 2001). Contact: Internet: <http://www.catie.ca/events.html>.

VI International Symposium on "Vectors and Vector-Borne Disease: Vector-Borne Disease Control in the New Millennium" (Bhubaneswar: November 24-26, 2001). Contact: Professor A.P. Dash, Secretary General, National Academy of Vector-Borne Diseases, Institute of Life Sciences, Bhubaneswar 751023, Orissa, India. E-mail: apdash@hotmail.com.

International Congress on "Tropical Medicine: Tropical Medicine for the 21st Century" (Guangzhou: November 26-30, 2001). Sponsors: Royal Society of Tropical Medicine and Hygiene and Guangdong Society of Tropical Medicine. Contact: Congress Secretariat, Institute of Tropical Medicine, First Military University, Tonghe, Guangzhou, 510515, China. Phone: (86-20)-851-48305; Fax: (86-20)-851-48324; E-mail: tromped@fimmu.edu.cn; Internet: <http://tropmed.fimmu.edu.cn> or <http://www.gztropmed.com>.

Cold Spring Harbor Laboratory (CSHL) Meeting on "Molecular Approaches to Vaccine Design" (Cold Spring Harbor: November 29-December 2, 2001). Contact: Meetings and Courses Program, CSHL, 1 Bungtown Road, Cold Spring Harbor, NY 11724. Phone: 516/367-8346; Fax: 516/367-8845; E-mail: meetings@cschl.org; Internet: <http://www.cshl.org/meetings>.

VIII International Symposium on "Schistosomiasis: Still a Challenge for the 21st Century?" (Recife: December 2-5, 2001). Contact: Executive Secretary, CEJEM, rua Gal. Americano Freire, 394 (Sala 404), Boa Viagem, Pernambuco, CEP 51021-120, Brazil. Phone: (55-81)-3466-4723; Fax: (55-81)-3325-5015; E-mail: cejem@ecologia.com.br; Internet: <http://www.cpqam.fiocruz.br/eventos/symposium.htm>.

Joint Congress of the Infectious Diseases and Sexually Transmitted Diseases Society of Southern Africa (Stellenbosch: December 2-7, 2001). Contact: Sune van Rooyen, Infectious Disease Congress, PO Box 7505, South Africa. Phone: (27-21)-938-9245; Fax: (27-21)-933-2649; E-mail: sdk1@gerga.sun.ac.za.

Symposium on "Resistant Gram-Positive Infections" (San Antonio: December 3-5, 2001). Contact: Mr. D. Lesham, 630 3rd Avenue (Suite 400),

New York City, NY 10017. Phone: 212/697-8553; Fax: 212/687-9386; E-mail: unit@netvision.net.il.
XII Conference on "AIDS and STD in Africa (ICASA)" (Ouagadougou: December 9-13, 2001). Contact: Prof. Robert Soudre, Chairman, XII ICASA, 09 BP 360, Ouagadougou 09, Burkina Faso. Phone: (226)-373-141; Fax: (226)-373-137; E-mail: spcnls@fasonet.bf.

2002

VI American Society of Microbiology (ASM) Conference on "Candida and Candidiasis" (Tampa, FL: January 13-17, 2002). Contact: ASM Meetings Department, 1752 N Street, NW, Washington, DC 20036. Phone: 202/942-9261; Fax: 202/942-9340; E-mail: conference@asmusa.org; Internet: <http://www.asmusa.org/mtgsr/>.

V Congress of the West African Society of Parasitology (Dakar: February 13-17, 2002). Contact: Prof. Samba Diallo, PO Box 17617, Dakar, Senegal. Fax: (221)-825-3668; E-mail: parabiol@refer.sn.

American College of Preventive Medicine (ACPM) "Preventive Medicine 2002" Conference (San Antonio: February 20-24, 2002). Contact: ACPM, 1307 New York Avenue, NW (Suite 200), Washington, DC 20005. Phone: 202/466-2044; Internet: <http://www.preventivemedicine2002.org>.

International Conference on "Emerging Infectious Diseases" (Atlanta: March 24-27, 2002). Contact: ICEID, c/o American Society of Microbiology, 1752 N Street, NW, Washington, DC 20036. Phone: 202/942-9261; Fax: 202/942-9340; E-mail: conference@asmusa.org; Internet: <http://asmusa.org/mtsgrc/>.

XII European Conference of "Clinical Microbiology and Infectious Diseases" (Milan: April 24-27, 2002). Contact: 12th ECCMID 2002, c/o AKM Congress Service, PO Box CH-4005, Basel, Switzerland. Phone: (41-61)-686-7711; Fax: (41-61)-686-7788; E-mail: info@akm.ch; Internet: <http://www.akm.ch/eccmid2002>.

CII American Society of Microbiology (ASM) General Meeting (Salt Lake City: May 19-23, 2002). Contact: ASM Meetings Department, 1752 N Street, NW, Washington, DC 20036. Phone: 202/942-9261; Fax: 202/942-9340; E-mail: meetingsinfo@asmusa.org; Internet: <http://www.asmusa.org>.

XIV International "AIDS" Conference (Barcelona: July 6-13, 2002). Contact: Conference Program Secretariat, Edifici Apollo X, Balmes 200, 908006 Barcelona, Spain. Phone: (34-932)-182-404; Fax: (34-932)-170-188; E-mail: aids2002@aids2002.com; Internet: <http://www.aids2002.com>. **IV International**

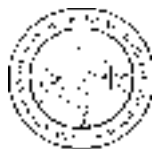
X International Congress of "Parasitology"
(Vancouver, BC: August 4-10, 2002). Contact: ICOPAX Conference Secretariat, Venue West Conference Services, Ltd., 375 Water Street (# 645), Vancouver, BC V6B 5C6, Canada. Phone: 604/681-5226; Fax: 604/681-2503; E-mail: congress@venuewest.com; Internet: <http://www.venuewest.com>.

XVI International Epidemiological Association (IEA) World Congress of "Epidemiology"
(Montreal: August 18-22, 2002). Contact: Congress Secretariat, c/o Events International, Meeting Planners, Inc., 759 Victoria Square (Suite 300), Montreal, Quebec, H2Y 2J7, Canada. Phone: 514/286-0855; Fax: 514/286-6066; E-mail: info@eventsintl.com; Internet: <http://>

www.iea2002.com.

XLII American Society of Microbiology (ASM) Interscience Conference on "Antimicrobial Agents and Chemotherapy" (ICAAC) (Chicago: September 27-30, 2001). Contact: ASM Meetings Department, 1752 N Street, NW, Washington, DC 20036. Phone: 202/942-9248; Fax: 202/942-9340; Internet: <http://www.asmtusa.org>.

III Multilateral Initiative on Malaria (MIM) Pan African Conference on "Malaria" (Arusha, Tanzania: November 18-22, 2001). Contact: Martin Sarikiaeli Alilio, PhD, MIM Secretariat, Fogarty International Center, National Institutes of Health, Building 31, Room B2-C39, Bethesda, MD 20892-2220. Phone: 301/402-6212; Fax: 301/402-2056; E-mail: aliliom@mail.nih.gov.



American Society of Tropical Medicine and Hygiene
60 Revere Dr., Suite 500
Northbrook, IL 60062
www.astmh.org

Non-Profit
Postage
PAID
Northbrook, IL
Permit No. 445