

Global Health Matters

Fogarty International Center (NIH / HHS)
"Science for Global Health"

Dr. Roger I. Glass Named New FIC Director

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Elias A. Zerhouni, M.D., director of the National Institutes of Health (NIH), announced on March 31 that Roger I. Glass, M.D., Ph.D., will be the new director of FIC and Associate Director of NIH for international programs.

Dr. Glass, who is currently the chief of the Viral Gastroenteritis Section at the Centers for Disease Control and Prevention in Atlanta, Georgia, will join NIH in May, 2006.

"Dr. Glass is a leading scientist and recognized expert in the development and introduction of rotavirus vaccines in the developing world," Dr. Zerhouni said.

"His global view of the disease burden caused by infections and diseases will ensure that the Fogarty International Center continues to move forward in the quest to eliminate health disparities worldwide."

"I am honored to lead the

Fogarty International Center," said Dr. Glass.

"The Center has a long history of funding programs to target infectious diseases that are highly prevalent in developing nations, such as AIDS, tuberculosis, and malaria. But it is in initiating programs that reflect the newest opportunities and challenges in predicting emerging global health problems that the Fogarty Center has been particularly noteworthy."

Dr. Glass will oversee an annual budget of more than \$60 million. The Fogarty International Center, the international component of the NIH,

- addresses global health challenges through innovative and collaborative research and training programs and
- supports and advances the NIH mission through international partnerships.

Dr. Glass graduated from

Harvard College in 1967, received a Fulbright Fellowship to study at the University of Buenos Aires in 1967, and received his M.D. from Harvard Medical School and his M.P.H. from the Harvard School of Public Health in 1972.

Dr. Glass joined the CDC in 1977 as a medical officer assigned to the Environmental Hazards Branch. He received his doctorate from the University of Goteborg, Sweden in 1983, and joined the National Institutes of Health Laboratory of Infectious Diseases, where he worked on the molecular biology of rotavirus.

In 1986, Dr. Glass returned to the CDC to become Chief of the Viral Gastroenteritis Unit at the National Center for Infectious Diseases.

Dr. Glass's research interests are in the prevention of gastroenteritis from rotaviruses and nonviruses through the application of novel scientific

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DR. GLASS NEW FOGARTY DIRECTOR

(Continued from page 1)



Dr. Roger I. Glass

research.

He has maintained field studies in India, Bangladesh, Brazil, Mexico, Israel, Russia, Vietnam, China and elsewhere. His research has been targeted toward epidemiologic studies to anticipate the introduction of rotavirus vaccines. Alongside English, he is fluent in five languages—French, Spanish, Russian, Portuguese and Bengali.

Dr. Glass has received numerous awards, including the Secretary's Award for Distinguished Service (DHHS), the Outstanding Unit Citation from the National Center for Infectious Diseases, the Outstanding Service Medal from the U.S. Public Health Service, and a Commendation Medal from the U.S. Public Health Service.

He is a member of the U.S. National Academy of Science's Institute of Medicine, the American Academy of Microbiology, the American Society of Microbiology, the American Association for the Advancement

of Science, the American Society of Virology, and the American Epidemiological Society.

Dr. Glass is also a fellow in the Infectious Disease Society and the American College of Epidemiology.

Dr. Glass has co-authored more than 400 research papers and chapters. He is married to Barbara Stoll, M.D., the George W. Brumley, Jr. Professor and Chair of the Department of Pediatrics at Emory University School of Medicine and the Medical Director of the Children's Healthcare of Atlanta at Egleston. He and his wife have three children.

Dr. Glass succeeds Dr. Gerald T. Keusch, whose tenure ended in December 2003. Dr. Sharon Hrynkow has served as Acting Director during the interim phase and will resume her position as Deputy Director.

UPCOMING PROGRAM ANNOUNCEMENTS AND REQUESTS FOR APPLICATIONS

Program	Contact	Receipt Date	Eligibility
Brain Disorders in the Developing World: Research Across the Lifespan	Kathleen Michels, PhD mickelsk@mail.nih.gov	May 16	U.S. & foreign institutions; at least 2 investigators (1 from institution in high-income country & 1 from low- to middle-income country) must collaborate on application as PI & Co-Investigator http://www.fic.nih.gov/programs/BrainDisorders.html
Fogarty International Research Collaboration Award - Basic Biomedical	Kathleen Michels, PhD mickelsk@mail.nih.gov	May 21	PI of U.S. based NIH-sponsored research project grant that will be active for at least 1 year beyond submission date of application, in collaboration with partner institutions in low- to middle-income countries http://www.fic.nih.gov/programs/firca.html
Int'l Training and Research in Environmental and Occupational Health	Chris Schonwalder, PhD cs64c@nih.gov	June 22	U.S. institutions; only 1 application per institution will be accepted http://www.fic.nih.gov/programs/environ.html
Trauma & Injury	Aron Primack, MD primacka@mail.nih.gov	August 25	U.S. institutions; PIs must be project director or key personnel on NIH, CDC or Dept. of Transportation Trauma Centers "parent" research or training grant with at least 18 months of active research support remaining at time of application; only one application per U.S. institution will be accepted http://www.fic.nih.gov/programs/Trauma.htm

NIH DIRECTOR'S VISIT STRENGTHENS TIES WITH THREE NORTH AFRICAN NATIONS

Dr. Elias A. Zerhouni, Director of the NIH, led an NIH team to meet with senior government officials and health scientists in Algeria, Tunisia and Morocco, January 17-25, 2006.

The NIH team included Fogarty International Center (FIC) Acting Director Dr. Sharon Hrynkow and FIC Program Officer for North Africa Ms. Judy Levin; Dr. Karl Western, National Institute of Allergy and Infectious Diseases (NIAID); Dr. Danuta Krotoski and Dr. R. Rodney Howell,

National Institute of Child Health and Human Development (NICHD); and Ms. Julia Royall, National Library of Medicine (NLM). FIC organized the trip on behalf of NIH.

In each of the countries, the team visited health care facilities and research laboratories. In discussions with political leaders, Dr. Zerhouni listened to plans for strengthening medical research infrastructures, and discussed common challenges in training the next generation of researchers.

Follow-up activities will include support for a regional conference on newborn screening to be held in Rabat, Morocco in September 2006; support for researchers from the three countries to attend a regional conference for AIDS researchers to be held in Egypt in February 2006; development of plans for training of North African medical information specialists; development of training on Institutional Review Board issues and related ethical issues; and support for women scientists to join a major State De-



Dr. Malika Bach, Dr. Jamal Khodja Bach and Dr. Elias A Zerhouni discuss al-Azhar, a private clinic in Dely Ibrahim outside Algiers, Algeria that the Bachs started in 2004.

GRANTEE PROFILE: DR. ZUNYOU WU, FROM TRAINEE TO GRANTEE



Dr. Zunyou Wu

Dr. Zunyou Wu is Director of the National Center for AIDS/STD Control and Prevention at the Chinese Center for Disease Control and Prevention and a former Fogarty trainee and now grantee.

Between 1991 and 1995, he trained with the UCLA/Fogarty International Training Program where he received his Ph.D. in Epidemiology, focusing on HIV/AIDS.

After graduating from the program, Dr. Wu returned to China where he has made a significant contribution to the development of public health policy based on sound scientific principles to prevent HIV infection among the most vulnerable groups. These include sex workers, drug users, former plasma donors, migrants, and men who have sex with men.

In 1995, he and his Ph.D. advisor Dr. Roger Detels were the first to report an HIV outbreak

among commercial plasma donors - a report which uncovered a national disaster in blood trade and led to an immediate governmental response.

Since 1996, he has conducted a series of demonstration projects targeting sex workers that have led to the development of national guidelines for HIV prevention among sex workers and the national condom promotion program.

In recognition of his contribution to HIV/AIDS prevention in China, Dr. Wu has been awarded several prestigious awards by the Chinese government.

His awards include the State Council Government Special Award in 2004, the Special Contribution of a Young Scientist Award for the Years 2003-2004 by the Ministry of Health in 2004, and the National Award for Distinguished Achievement by an Overseas

Returnee jointly awarded by the Departments of Organization, Publicity, and Unification of the Chinese Communist Party and the Ministries of Personnel, Education, and Science and Technology in 2003.

The International Harm Reduction Association awarded him the "2005 International Roll-eston Award."

Dr. Wu serves on a number of national HIV and drug-related harm reduction advisory boards, and is a consultant to the UN as well as several other international agencies.

He is the recipient of a number of large research grants to investigate HIV prevention strategies in China and will continue to work towards preventing the further spread of HIV in his country.

DCPP LAUNCHES THREE PUBLICATIONS ON GLOBAL HEALTH AT BEIJING NEWS BRIEFING

On April 3, the Disease Control Priorities Project (DCPP) released three new books--*Disease Control Priorities in Developing Countries, 2nd edition*; *Global Burden of Disease and Risk Factors*; and *Priorities in Health*--that will help countries establish their own priorities, choose the best interventions and strengthen the capacity of health systems to deliver those interventions.

Life expectancy and other health metrics are increasing globally, yet many poor countries and areas in all countries are not benefiting fully from scientific and public health progress.

DCPP is an alliance of the Fogarty International Center (FIC), the World Bank, the World Health Organization, and the Population Reference

Bureau, with funding from the Bill & Melinda Gates Foundation.

DCPP aims to decrease disease and economic burdens in low-income countries by providing evidence-based analyses to inform health policy-making.

The Project has identified the growing burden of chronic diseases (cardiovascular disease, cancer, and mental illness) globally while highlighting the continuing importance of infections (particularly HIV/AIDS, malaria, and tuberculosis) and neonatal deaths in Africa and South Asia.

Many of the best and most cost-effective solutions, such as teaching parents to keep newborns clean and warm and advising people at risk of heart disease to take an aspirin a day,

are simple and inexpensive.

Other interventions, such as surgery for obstetrical complications, trauma or cataracts, appear expensive but are worth the investment because they effectively and efficiently treat very serious health problems.

Investments in science and sharing of information are key to improved health and economic development.

Among the questions addressed by the DCPP are: How are health and research priorities established in low-income countries? Which disease treatment and control interventions are the most cost-effective? and How many years of healthy life can a million dollars buy?

The three books are available at www.dcp2.org/main/Home.html



“MILLIONS SAVED” CO-AUTHOR DELIVERS LECTURE AT STONE HOUSE

On February 14, Ruth Levine, Ph.D., Director of Programs and Senior Fellow at the Center for Global Development, made a presentation on the book *Millions Saved: Proven Successes in Global Health* in the Lawton Chiles International House.

Dr. Levine is the head of the What Works Working Group and the lead author of *Millions Saved*, which documents 17 successful large-scale health interventions in developing countries.

The book provides evidence that success is possible even in the poorest countries.

In addition to discussing the first edition of the book, Dr. Levine addressed and invited comment on the ongoing revision and expansion of the second edition.

Further information on *Millions Saved* may be obtained at www.cgdev.org/section/initiatives/_active/millionssaved



Dr. Ruth Levine

STIGMA ARTICLES PUBLISHED IN *THE LANCET*

The Lancet recently published an Essay Focus on Stigma and its impact on global health (Volume 367, Number 9509, 11 February 2006). The papers were originally delivered at a FIC-sponsored international conference on Stigma and Global Health held in September 2001. Here are the titles of the papers.

Stigma and global health: developing a research agenda

Stigma and its public health implications

Stigma and the law

Stigma, race, and disease in

20th century America

The many stigmas of mental illness

Obstetric fistula and stigma

Stigma interventions and research for international health

Stigma and global health: looking forward

Following the landmark international conference "Stigma and Global Health: Developing a Research Agenda", the FIC and its partners at NIH, other US government agencies, and the Canadian Institutes of Health Research issued a request for applications for re-

search proposals.

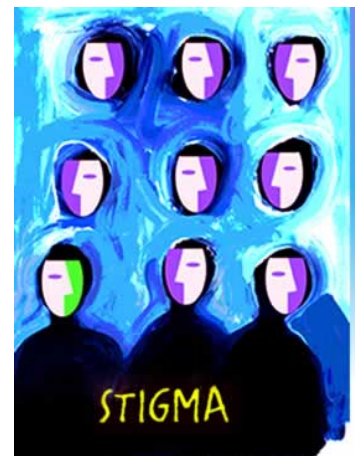
The URL for the papers is:

[http://http://](http://http://www.thelancet.com/journals/lancet/section?is-sue=9509§ion=Essay+Focus&volume=367)

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DR. RITA COLWELL DELIVERS ANNUAL BARMES LECTURE

Rita R. Colwell, PhD, Distinguished Professor at the University of Maryland and Johns Hopkins University Bloomberg School of Public Health, and former director of the National Science Foundation, recently delivered the Barmes Global Health Lecture.

Her talk, "Global Climate, Environmental Pathogens, and Human Health: A New Paradigm," was sponsored by The National Institute of Dental and Craniofacial Research and FIC.

This annual lecture series honors the late David E. Barmes, a

long-standing World Health Organization employee, special expert for international health in the NIDCR Office of International Health, and ardent spokesman for global health.



Dr. Rita Colwell

GLOBAL FORUM ON BIOETHICS IN RESEARCH CONVENED IN KARACHI, PAKISTAN

Dr. Karen Hofman, Director of the Division of Advanced Studies and Policy Analysis at FIC, represented Fogarty at the 7th annual Global Forum on Bioethics in Research at the Aga Khan University campus in Karachi, Pakistan from February 17-19, 2006.

The Global Forum on Bioethics

in Research is an informal partnership established by a number of organizations with a shared interest in the ethics of conducting research involving human beings in developing countries.

The Forum seeks to maintain and strengthen the protection of human participants in medical research and to provide a forum

for developing-country perspectives on ethical issues in research. The majority of the 120 attendees were from the developing world with at least 25 from South East Asia. At least 25 of the attendees had received past support or were currently being supported by Fogarty with either long or short term training.

ACROSS THE CENTER

Kim Pham, PhD, is the newest member of the Division of International Relations. She joins DIR on detail from National Institute of Mental Health and will serve as "Special Assistant to the Director, DIR, for Southeast Asia." Kim will assist with activities in India, Pakistan, and Vietnam initially.... **Mark Miller, MD**, Division of International Epidemiology and Population Studies, was nominated to serve on the U.S. Department of Defense Armed Forces Epidemiology Board.... Last November, the United States and Vietnam celebrated the 10th anniversary of the normalization of diplomatic relations which included the renewal of science and technology cooperation. **James Herrington, PhD**, represented FIC as a delegate on the State Department-sponsored 5th Joint Committee for Science and Technology meeting in Hanoi where he consulted with Vietnamese scientists and researchers. A joint statement was issued: "Both sides expressed continued satisfaction with the robust collaboration between U.S. and Vietnamese scientists in biomedical and behavioral research matters. They noted the joint desire to continue efforts aimed at promoting continued collaboration including in joint training of researchers. Moreover, they noted that research on both communicable and non-infectious diseases were essential areas for future work. These areas include research related to influenza, HIV/AIDS, neurosciences, behavioral-related illnesses and other areas of mutual interest." RSS Feeds and XML for **news releases and announcements of peer-reviewed publications** were added to the Fogarty website at www.fic.nih.gov. If you published in a peer-reviewed journal as a FIC grantee or collaborator, please alert the FIC Communications Department by sending email to fi-cinfo@nih.gov. You can find the list of publications at this web address: www.fic.nih.gov/news/inthenews.html ... **Big changes are coming to grants submission** at the National Institutes of Health. NIH will soon require all competing research grant applications to come in electronically via the web portal of Grants.gov on a new SF 424 Research and Related application. For details, visit this website: <http://era.nih.gov/ElectronicReceipt/> ... **James Herrington, PhD**, also represented FIC at an international conference entitled Impact of Global Issues on Women and Children was held in Dhaka, 11-16 February 2006. As the 3rd in a series of international conferences addressing the impact of global issues on women and children, this event was organized and co-sponsored by McMaster University, Toronto, Canada, and the State University of Bangladesh. Trained as an environmental health epidemiologist, Dr. Herrington organized and moderated a panel entitled "Research on Arsenic Contamination, Mitigation, and Treatment Affecting Children and Adults in Bangladesh."

Recent Publications

British Medical Journal. 2006 January 21; 332(7534): 177-178. Letters. US flu mortality estimates are based on solid science. Lone Simonsen, Robert Taylor, Cecile Viboud, Jonathan Dushoff, and Mark Miller.

MEXICO AND NIH SIGN LETTER OF INTENT ON BIOMEDICAL RESEARCH

On March 8, the Mexico National Council on Science and Technology (CONACYT) and the National Institutes of Health signed a Letter of Intent (LOI) to strengthen cooperation.

The agreement comes after a visit by Elias A. Zerhouni, M.D., NIH Director, and Sharon Hrynkow, FIC Acting Director, to Mexico in November 2004.



Dr. Ana Chepelinsky, Dr. Elias A. Zerhouni, Dr. Sharon Hrynkow, Dr. Gustavo Chapela Castañares and Dr. Efrain Aceves participate in the signing of the Letter of Intent.

Signing the agreement for CONACYT was Dr. Gustavo Chapela Castañares, newly installed as CONACYT Director General. Dr. Chapela, whose background is in chemical engineering, is a leader in science and technology.

The LOI calls on both agencies to work together to enhance clinical research training for United States and Mexican students; to allow mid-career scientists to work in Mexico or in the United States short-term; to support a new approach to bring Mexican post-docs to campus, then return home; and to identify areas of potential joint research.

The LOI also directs both partners to work closely with the NIH of Mexico (INSalud) which supports clinical training and research. Dr. Jaime Sepulveda, head of INSalud, will work with NIH and CONACYT in its implementation.

The previous NIH agreement with CONACYT expired in 2005. One of the central features of that agreement was the Pan American Fellows Program, which supported Mexican postdocs at NIH via a 50:50 co-funding arrangement. This new LOI streamlines the process for postdocs and ensures their return home.

There are currently 23 Mexican researchers working in NIH intramural laboratories through the NIH Visiting Program—one Exchange Scientist, one Professional Services contractor, 17 Visiting Fellows, two Volunteers, and two Visiting Scientists.

FIC & ORWH HOST INTERNATIONAL WOMEN'S DAY CELEBRATION ON NIH BETHESDA CAMPUS

By Hannah Leslie

The Fogarty International Center (FIC) and the Office of Research on Women's Health (ORWH) co-sponsored the third annual International Women's Day celebration in early March at the Lawton Chiles International House on the NIH Campus in Bethesda, Maryland.

Three international researchers presented talks on the theme "Women in Science, Women in Health."

They discussed the links between their research at NIH and the health of women around the world. A networking reception followed the event.



Dr. Ofelia A. Olivero

In her welcoming remarks, Sharon Hrynkow, PhD, Acting Director of FIC, commented that "We celebrate the achievements of foreign women scientists on this campus and around the world."

Ofelia A. Olivero, PhD, Staff Scientist in the Laboratory of Cellular Carcinogenesis and Tumor Promotion, National Cancer Institute, spoke on "Basic Science and Women's Health."

Presenting her findings from the past fifteen years of research, she discussed the

genotoxic effects of anti-HIV therapies and the direct impact this knowledge has had on health practices.

Research indicating increased rates of cancer in mice exposed



Dr. Carolina Barillas Mury

to AZT in utero has increased awareness of the potential drawbacks of anti-retroviral therapy in pregnant women, leading to long term surveillance of the affected population.

Carolina Barillas Mury, MD, PhD, Investigator in the Laboratory of Malaria and Vector Research, National Institute of Allergy and Infectious Diseases, spoke about her research and career in a talk titled "A Tale of Female Mosquitoes, Malaria in the Tropics, and Women in Science."

Discussing her research on the response of mosquitoes to invasion by malaria parasites, Dr. Barillas linked her analysis of biochemical reactions to the goal of disrupting transmission of malaria from mosquito to human.

Originally from Guatemala, Dr. Barillas described her decision to study malaria in mosquitoes.

"I wanted to use my medical training and to make a difference, so it had to be a human disease. And if I couldn't live in

Guatemala, I at least wanted to study a disease of the tropics."

Y. Peng Loh, PhD, Chief of the Section on Cellular Neurobiology, National Institute of Child Health and Human Development, spoke on "Asian Women Scientists' Contribution to Health."

First focusing on her own work, Dr. Loh discussed the intracellular sorting of two hormones: CART and insulin. Mutations in CART and insulin genes leading to mis-sorting of these



Dr. Y. Peng Loh

hormones have been linked to certain forms of obesity and diabetes.

Dr. Loh is currently collaborating on the development of novel therapies for such disorders.

She concluded her talk by highlighting the contributions of notable Asian women in science and health, and by sharing her "10 Golden Rules for Women in Science."

The key element? Visibility, visibility, visibility.

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Official Business
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Global Health Matters

Published by the U.S. Department
of Health & Human Services

News from the John E. Fogarty
International Center, part of the
National Institutes of Health

Managing Editor
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Volume 4, Number 1
April 2006

NIH Publication No. 06-5368

NEW PUBLICATION

DIRECTORY OF GRANTS AND FELLOWSHIPS IN THE GLOBAL HEALTH SCIENCES

Since 1988, the Fogarty International Center, part of the National Institutes of Health, has published the *Directory of International Grants and Fellowships in the Health Sciences* to assist researchers in locating funding from sources outside FIC.

The newly published volume (*NIH Publication 06-3027, February 2006*) contains nearly 500 grant and fellowship opportunities for researchers of all levels—from undergraduates to senior scientists.

The funding organizations included in the Directory were selected by their relevance to global health research in biomedical and behavioral sciences. Because of this focus and the emphasis on opportunities for researchers in low-resource settings, the Directory is a unique publication for health researchers.

The publication is designed to serve researchers and their collaborators worldwide, especially those working in low- and middle-income countries.

Available now on the FIC website are versions in PDF and RSS Feed; work proceeds on a version in HTML.

To request the Directory on CD, recommend new entries or correct information in the current Directory, please contact the Office of Communications at ficinfo@nih.gov.

The full Directory is available on the Fogarty website: www.fic.nih.gov/news/directory.html

