



Council Members

Ciro A. de Quadros, Chair
Sabin Vaccine Institute
USA

Orin Levine, Chair
GAVI's PneumoADIP
USA

Zulfiqar A. Bhutta
Aga Khan University
Pakistan

Jesus M. Feris
Robert Reid Cabral
Children's Hospital
Dominican Republic

Samir K. Saha
Dhaka Shishu Hospital
Bangladesh

Lulu C. Bravo
Philippine General Hospital
Philippines

Keith P. Klugman
Emory University
USA

José Ignacio Santos
Hospital Infantil de México
Federico Gómez
Mexico

Ron Dagan
Soroka University Medical Center
Israel

Pavla Krizova
National Institute of Public Health
Czech Republic

Fred Were
Kenya Pediatric Association
Kenya

Calil Farhat
Federal University of São Paulo
Brazil

David Murdoch
Christchurch School of Medicine &
Health Sciences
New Zealand

Cynthia Whitney
Centers for Disease Control
and Prevention
USA

Hans Rosling
Karolinska Institute
Sweden

Awareness. Action. Prevention.

PACE is a project of the Sabin Vaccine Institute.

Member Biographies

Dr. Ciro A. de Quadros, PACE Co-Chair Sabin Vaccine Institute

Dr. Ciro A. de Quadros is the director for international programs at the Sabin Vaccine Institute in Washington, D.C., a post he has held since 2003. He formerly served as director of the Division of Vaccines and Immunization at the Pan American Health Organization (PAHO), where he was responsible for advising PAHO member countries on the implementation of programs and activities related to vaccines and immunization. He is recognized as a member of the group that pioneered surveillance and containment strategies that led to smallpox eradication. In addition to directing the successful efforts of polio eradication from the Western Hemisphere, he also directed efforts to eradicate measles from the region.

Dr. de Quadros joined the World Health Organization (WHO) in 1970 where he held the position of chief epidemiologist, Smallpox Eradication Program, Inter-Regional Project, which is based in Addis Ababa, Ethiopia. In January 1977 he was transferred to PAHO to serve as adviser to the Communicable Diseases Department on the elaboration of the technical background for implementation of the Expanded Program on Immunization in the Region of the Americas.

In 1994 he was appointed special adviser to the director general on matters related to the implementation of the Global Program for Vaccines (GPV), representing WHO in the Children's Vaccine Initiative (CVI) governing bodies. This assignment was taken in conjunction with the position of director of special programs for vaccines and immunization held at the PAHO, where he advised member governments in all matters related to vaccines and immunization.

He is also a member of the board of directors of the International AIDS Vaccine Initiative (IAVI), member of the board of trustees of Sabin, chairperson of the Monitoring Team of the Independent Review Committee (IRC) of the Global Alliance for Vaccines and Immunization (GAVI) and chairperson of the Technical Advisory Group (TAG) on Vaccines and Immunizations of the PAHO.

Dr. de Quadros is also an associate adjunct professor at the Johns Hopkins School of Hygiene and Public Health, an associate professor at the School of Medicine of Case Western Reserve University and an adjunct professor in the Department of Tropical Medicine of the School of Medicine of George Washington University in Washington, D.C. He is the recipient of the 1993 Prince Mahidol Award of Thailand; the 1999 Order of Rio Branco, the highest civil award given by the Government of Brazil; the 2000 Albert B. Sabin Gold Medal; the 2004 "Orden Civil de la Sanidad" from the government of Spain; the 2005 University of California at Berkeley School of Public Health International Hero Award; and the Bernardo O'Higgins Order, the highest award given by the government of Chile. He completed his medical studies in Brazil in 1966 and received a M.P.H. degree from the National School of Public Health in Rio de Janeiro in 1968.

Dr. Orin Levine, PACE Co-Chair
Executive Director
Global Alliance for Vaccines and Immunization's PneumoADIP

Dr. Orin Levine is a recognized expert in the area of Hib and pneumococcal disease and prevention by vaccination. Before coming to Johns Hopkins University as an associate professor in the Department of International Health, Dr. Levine spent five years in Atlanta at the Centers for Disease Control and Prevention as an Epidemic Intelligence Service officer and then as a staff epidemiologist, followed by three years with the National Institutes of Health (NIH) in Bethesda, Md. He is also an adjunct assistant professor of epidemiology at the Rollins School of Public Health at Emory University.

Dr. Levine received his bachelor's degree from Gettysburg College and his Ph.D. in epidemiology from Johns Hopkins University School of Public Health. In 2000, Dr. Levine was awarded the CDC's Iain Hardy Award for Outstanding Contributions to the Control of Vaccine Preventable Diseases.

Dr. Levine has authored/co-authored more than 50 original research papers and book chapters, including more than 25 on the subject of meningitis and pneumonia and their prevention by vaccination. He serves frequently as a consultant to the WHO and to individual countries on the control of Hib disease by vaccination.

Dr. Zulfiqar A. Bhutta
Professor and Chair, Department of Pediatrics
Aga Khan University

Dr. Zulfiqar Ahmed Bhutta is a fellow of both the Royal College of Physicians of Edinburgh, and the Royal College of Pediatrics and Child Health (UK). He played a key role in developing the neonatal pediatrics and training programs in Pakistan and is currently the secretary-general of the Federation of the Asia-Oceania Perinatal Societies.

Dr. Bhutta is a member of the Global Advisory Group on Health Research for the World Health Organization (Geneva). He is also on the chair of the National Vaccine Development Task Force, a member of the Biotechnology Commission and serves as an advisor to the Pakistan Medical Research Council. He holds several international editorial positions in leading journals and in 1999 was awarded the 'Tamgha-i-Imtiaz' by the president of Pakistan for contributions to education and research.

Dr. Bhutta's research interests include public health; community-based perinatal care; and interaction of nutrition and infections and micronutrient malnutrition. He also played a key role in stimulating pediatric public health research in Pakistan and chairs the University Research Council of the Aga Khan University.

Dr. Bhutta graduated from Khyber Medical College in 1977, trained in Pakistan and continued his higher professional training in the United Kingdom. In 1987 he obtained a fellowship in pediatrics from the College of Physicians and Surgeons, Pakistan, and a doctorate in nutrition from the world-renowned Karolinska Institute in Stockholm, Sweden.

Dr. Lulu C. Bravo
Professor of Pediatrics
Philippine General Hospital

Dr. Lulu C. Bravo is vice chancellor for the University of the Philippines, Manila, research chief for the Pediatric Infectious & Tropical Disease Section in the Department of Pediatrics at UP-PGH Medical Center and professor of pediatrics at the College of Medicine at the University of the Philippines.

Dr. Bravo holds numerous leadership positions, including serving as president of the Asian Society of Pediatric Infectious Disease; executive committee member of the World Society of Pediatric Infectious Disease; president of the International Society of Tropical Pediatrics (Philippine Chapter); executive director of the Philippine Foundation for Vaccination; congress president of the 3rd Asian Congress of Pediatric Infectious Disease; and executive director of the University of the Philippines-National Institutes of Health (UP-NIH).

Dr. Bravo has also served as chair of the Research Forum & Seminar Philippine; editor in chief of the Journal of Pediatric Infectious Disease; overall co-chair of the 2nd World Congress of Pediatric Infectious Disease; treasurer of the International Society of Tropical Pediatrics; president of the University of the Philippines Manila Alumni Association; and secretary-general of the Asian Society of Pediatric Infectious Disease (ASPID).

Dr. Bravo is the recipient of numerous awards, including the Diamond Jubilee Professorial Chair, the Jose V. Andaya Professorial Chair, the Lino Ed Lim Professorial Chair, the Dr. Litsdes Morales-Aesquivel Professorial Chair, the Faculty Achiever Award at the University of the Philippines College of Medicine, and the Senate Committee on Health Award for Community-Oriented Medical Education. Dr. Bravo earned her Bachelor of Science (pre-med) from the University of the Philippines and her medical degree from the University of the Philippines, Manila.

Dr. Ron Dagan
Professor, Pediatric Infectious Diseases Unit
Soroka Medical Center

Dr. Ron Dagan is professor of pediatrics and infectious diseases at the Ben-Gurion University of the Negev in Beer-Sheva, Israel, and director of the Pediatric Infectious Disease Unit at the Soroka University Medical Center, also in Beer-Sheva, Israel. Dr. Dagan's work focuses on new conjugate vaccines, with an emphasis on pneumococcal conjugate vaccines; the epidemiology of vaccine-preventable diseases, clinical aspects of vaccination against antibiotic-resistant pneumococci; the pathology of otitis media, role of resistant organisms in otitis media; prediction of bacteriologic response to various antibiotics; and the epidemiology and prevention of enteric and invasive infections in young children.

Dr. Dagan has authored or co-authored more than 340 peer-reviewed articles as well as many book chapters. He is also an international editor for the Pediatric Infectious Disease Journal, and is on the editorial board of the Journal of Infectious Diseases, Infection, Human Vaccines and the Israel Journal of Pediatrics. He served as president of the European Society for Paediatric Infectious Diseases (ESPID) from 2004 to 2006 and is currently the president of the World Society for Pediatric Infectious Diseases (WSPID). He is also a fellow of the Infectious Diseases Society of America.

Dr. Calil Kairalla Farhat
Titular Professor, Pediatrics Department, Federal University of São Paulo
Department of Infectious Diseases, College of Medicine of Marília

Dr. Calil Kairalla Farhat is a titular professor in the Pediatrics Department of Federal University of São Paulo and titular professor of infectious diseases on the medicine faculty of Marília, São Paulo, Brazil.

He has participated in more than 100 scientific events in Brazil in which he presented 310 scientific works and in 80 international events where he presented 28 scientific works.

Dr. Farhat created post-graduation courses in pediatrics infectology and in immunization at the São Paulo School of Medicine/Federal University of São Paulo. He was president of Latin American Society of Pediatrics Infectology in 1998 and 1999, and was one of the society's founders in 1984. He also was a founder of the World Society of Pediatric Infectious Diseases.

Dr. Farhat has been speaker in 1480 conference presentations, lessons and symposia, 1200 in Brazil and 280 abroad. He published 170 research papers, with 30 of them in international scientific journals. His published books include four editions of *Foundations and Practices in Immunization* (5th edition in progress); two editions of *Perinatal Infections*; one edition of *Infections and Parasitosis in Pediatrics*; three editions of *Pediatric Infectology*; and three editions of *Synopsis in Pediatrics and Infectology*.

Dr. Farhat has received 39 honors in Brazil and abroad, and he has been distinguished with an Honours Diploma from the American Academy of Pediatrics.

Dr. Jesus M. Feris
Department Chief
Pediatric Infectious Diseases
Robert Reid Cabral Children's Hospital

Jesus M. Feris is chief of the Department of Pediatric Infectious Diseases at the Robert Reid Cabral Children's Hospital, a position he has held since 1981. Prior to beginning in his current position, Dr. Feris served as director of the intensive care unit from 1975-1981, and as chief of the teaching department from 1976-1979. He also serves as professor of pediatrics at the Universidad Autonoma de Santo Domingo.

Dr. Keith P. Klugman, M.B., B.Ch., Ph.D.
Professor, William H. Foege Chair in Global Health
Rollins School of Public Health

Dr. Keith Klugman is the William H. Foege Chair of Global Health in the Hubert Department of Global Health at the Rollins School of Public Health at Emory University in Atlanta, Ga. He is also a professor of medicine in the Division of Infectious Diseases of the School of Medicine at Emory University and is a visiting researcher in the Respiratory Diseases Branch of the Centers for Disease Control and Prevention (CDC). He is the co-director of the Respiratory and Meningeal Pathogens Research Unit of the University of the Witwatersrand, the Medical Research Council and the National Institute for Communicable Diseases in Johannesburg, South Africa.

Professor Klugman is a member of the Executive Committee of the International Society of Infectious Diseases and chair of the International Committee of the American Society for Microbiology, the largest single life science society with more than 42,000 members worldwide. The umbrella organization of all national microbiology societies is the International Union of Microbiological Societies, of which Professor Klugman is currently vice chair. He has chaired expert committees for the World Health Organization in Geneva and the Wellcome Trust in London. He serves as an editor or member of the editorial board of eight international journals on medicine, infectious diseases and antimicrobials.

Professor Klugman's research interests include antibiotics, antimicrobial resistance and vaccines for bacterial pathogens, particularly the pneumococcus. To date, he has published more than 325 papers on these subjects.

Dr. Pavla Krizova
Head, Department of Airborne Bacterial Infections,
National Reference Laboratory for Meningococcal Infections and
WHO Collaborating Centre for Reference and Research on Streptococci
National Institute of Public Health

Dr. Pavla Krizova graduated from the Faculty of Medicine and Hygiene, Charles University, Prague. Her postgraduate specialization was in epidemiology and microbiology. In 1976 she worked as a World Health Organization consultant-epidemiologist in the Smallpox Eradication Programme in India for three months. Since 1976 Dr. Krizova has worked in the National Institute of Public Health (NIPH), Centre of Epidemiology and Microbiology, Department of Airborne Bacterial Infections. Since 1981 she has served as the head of the National Reference Laboratory for Meningococcal Infections of NIPH, and since 1989 has served as the head of the WHO Collaborating Centre for Reference and Research on Streptococci and of the Department of Airborne Bacterial Infections.

Dr. Krizova has served as a member of various associations and committees, including the European Society of Clinical Microbiology and Infectious Diseases, the European Monitoring Group on Meningococci, the Czech Medical Association, the Czech Association for Microbiology and Epidemiology, the Czech Association for Infectious Medicine, the Czech Association for Vaccinology, the Local Organizing Committee of 14th European Congress of Clinical Microbiology and Infectious Diseases, the Editorial Board of Bulletin of Center of Epidemiology and Microbiology, the Editorial Board of Central European Journal of Public Health; as chairman of the Committee of Ministry of Health for the Reference Laboratories; and as editor in chief of Epidemiology, Microbiology, Immunology.

She has published more than 350 works abroad and in the Czech Republic, and has been credited as Kriz P., Krizova P., Kriz-Kuzemenska P., Krizova-Kuzemenska P., and Kuzemenska P. The number of those listed in PUBMED is approximately 90.

Dr. David Murdoch, M.D., D.T.M.&H., F.R.A.C.P., F.R.C.P.A., F.A.C.T.M.
Professor and Department Head
Department of Pathology
University of Otago's Christchurch School of Medicine and Health Sciences

Dr. David Murdoch is a professor and the head of pathology at Christchurch School of Medicine and Health Sciences, University of Otago, Christchurch, New Zealand. He is also director of microbiology, Canterbury Health Laboratories, Christchurch, New Zealand; and adjunct assistant professor in the Department of Medicine, Duke University Medical Center, Durham, North Carolina.

Dr. Murdoch trained in infectious diseases, clinical microbiology and tropical medicine in Christchurch, New Zealand; Duke University Medical Center; and Liverpool School of Tropical Medicine. He also worked for more than two years in rural Nepal. He is a fellow of the Infectious Diseases Society of America, Fellow of the Royal Society of Tropical Medicine and Hygiene, Infectious Editor for Internal Medicine Journal, and editorial consultant for The Lancet.

Professor Murdoch's research interests include pneumococcal disease, respiratory tract infections, legionella infection, endocarditis and rapid diagnostics. He has published more than 100 papers to date.

Dr. Hans Rosling
Professor of International Health
Karolinska Institutet

Dr. Hans Rosling is professor of international health at Karolinska Institutet (KI) in Stockholm, Sweden. Following studies in statistics and medicine at Uppsala University, Sweden, he served as a district medical officer in northern Mozambique from 1979 to 1981.

Besides managing health and hospital service for 360,000 Mozambique inhabitants, he investigated an outbreak of a disease that studies identified as the new neurological disease named konzo. During the past 20 years he has performed field surveys investigating outbreaks of konzo in famine-threatened remote rural areas in five African countries.

Hans Rosling is head of the Division of International Health at KI and leads courses on global health in both undergraduate and postgraduate programs. He has co-authored a textbook on global health and is in charge of the collaborations between KI and universities in low- and middle-income countries.

To enable students and researchers to make sense of the world development through improved use of development statistics he has started Gapminder, a nonprofit information technology company that produces software that converts digital numeric time series into interactive animations of countries as bubbles that move with time in a scattergram.

Dr. Samir K. Saha
Senior Consultant, Department of Microbiology, Dhaka Shishu Hospital
Professor, Bangladesh Institute of Child Health
Associate, Department of International Health, John Hopkins University

Dr. Samir K. Saha concurrently serves as senior consultant in the Department of Microbiology at Dhaka Shishu Hospital in Bangladesh, India; as professor at Bangladesh Institute of Child Health, also in Bangladesh; and as associate in the Department of International Health at John Hopkins University in Baltimore, Md.

His research includes projects funded by the World Health Organization, PneumoADIP, and GlaxoSmithKline. Most notably, Dr. Saha is credited with spearheading the drive for research on pneumococcal diseases in Bangladesh, and now is heading a group of eight leading health establishments of Bangladesh in a coordinated effort to study the patterns and prevalence of characteristics. The participating institutions are Dhaka Medical College, Chittagong Medical College, Salimullah Medical College, Kumudini Hospital, Chittagong Ma O Shishu Hospital, ICCDR, B, and Dhaka Shishu Hospital, where Dr. Saha is a senior consultant.

Dr. Saha earned both his Bachelor of Science in botany, zoology and biochemistry (1980) and his Master of Science in microbiology (1984) from the University of Dhaka, Dhaka, Bangladesh, and his Ph.D. in microbiology from the Institute of Medical Sciences, Banaras Hindu University, India (1989).

Dr. José Ignacio Santos, M.D., MSc
General Director
Hospital Infantil de México Federico Gómez

Dr. José Ignacio Santos is the general director of Hospital Infantil de México Federico Gómez, the oldest and one of the foremost pediatric academic institutions in the Americas Region and one of Mexico's National Institutes of Health. Prior to becoming director of Hospital Infantil de México, Dr. Santos was director of Mexico's National Infant and Adolescent Health Program and Immunization Program for seven years and during that period was Mexico's liaison member of the Advisory Committee on Immunization Practices of the Centers for Disease Control and Prevention.

Dr. Santos also serves other international health agencies including the board of trustees of the International Center for Diarrheal Research (ICDDR); the Strategic Advisory Group of Experts (the principal advisory group to the World Health Organization (WHO) for vaccines and immunization), board of counselors of Pediatric Dengue Vaccine Initiative (PDVI), as well as on the Data and Safety Monitoring Board for Measles Aerosol Project.

Dr. Santos received his medical and pediatric training at Stanford University and clinical immunology and infectious diseases training at the University of Utah. He is past president of the Mexican and Pan-American Infectious Diseases Societies and is a fellow of the Infectious Disease Society of America (IDSA). He is a member of the advisory group of PGRP (Pediatric Global Research Priorities) of the American Academy of Pediatrics.

His research and public health interests have focused on pediatric infectious diseases and on the evaluation and introduction of new vaccines. He is the author or co-author of 230 peer-reviewed publications.

Dr. Fred Were
National Chairman
Kenya Paediatric Association

Dr. Fred Were is a pediatrician and specialist in neonatal medicine. He completed his bachelor's degree in 1984 and pediatric specialization in 1990, both at the University of Nairobi, Kenya.

Between 1991 and 1993 he pursued and obtained a fellowship in neonatology from Monash Medical Centre at Monash University in Melbourne, Australia. Upon returning to Kenya in 1994 he joined the University of Nairobi where he still serves as a senior lecturer in the Department of Pediatrics. He completed and was awarded doctorate in medicine at the University of Nairobi in 2006.

Dr. Were became the national chairman of the Kenya Paediatric Association (KPA), an affiliate of the International Paediatric Association, in 2003 and holds the position to date. He has overseen the transformation of KPA into a public health focused group. The association is currently involved in the national pediatric HIV/AIDS care project and interventions for improving newborn survival at the community level. He is also the principal investigator of a PnemoADIP small grants project aimed at enhancing health worker and health administrator awareness of pneumococcal disease and vaccination in Kenya. He has more than 20 peer reviewed publications, mainly in newborn health.

Dr. Cynthia G. Whitney, M.D., M.P.H.
Acting Chief
Respiratory Diseases Branch, Division of Bacterial and Mycotic Diseases
National Center for Infectious Diseases
Centers for Disease Control and Prevention

Dr. Cynthia G. Whitney is acting chief of the Respiratory Diseases Branch, Division of Bacterial and Mycotic Diseases, National Center for Infectious Diseases, Centers for Disease Control and Prevention (CDC). Dr. Whitney directs the pneumococcal epidemiology research program for the Respiratory Diseases Branch and has published extensively on pneumococcal disease epidemiology, drug resistance and vaccines, and has expertise in management of respiratory outbreaks. She is a clinical associate professor with Emory University in Atlanta, Ga., and is a member of the Infectious Diseases Society of America's Pneumonia Guidelines Committee.

Dr. Whitney graduated from Iowa State University in 1986 with a bachelor's degree in engineering science and from the University of Minnesota Medical School in 1990. She completed medical residencies in internal medicine with the University of Minnesota's program in 1993 and in preventive medicine through the CDC's program in 1997. She obtained an M.P.H. from Harvard University in 1997. She is boarded in internal medicine and preventive medicine.