Authors and Affiliations

**SETTING THE STAGE**

**ANTHONY S. FAUCI**
Director, National Institute of Allergy and Infectious Disease, National Institutes of Health, United States Department of Health and Human Services

**CIRO A. DE QUADROS**
Director, International Programs, Albert B. Sabin Vaccine Institute; Former Director, Division of Vaccines and Immunization, Pan American Health Organization
PART I. THE PRESENT

DANIEL TARANTOLA
Director, Vaccines and Biologicals Department, World Health Organization, Geneva, Switzerland

PHILIP MINOR
Division of Virology, National Institute for Biological Standardization and Control, United Kingdom

CIRO A. DE QUADROS
Director, International Programs, Albert B. Sabin Vaccine Institute; Former Director, Division of Vaccines and Immunization, Pan American Health Organization

MARÍA TERESA AGUADO
Coordinator, Initiative for Vaccine Research, Department of Vaccines and Biologicals, World Health Organization

ANA MARÍA HENAO RESTREPO
Medical Officer, Initiative for Vaccine Research, Department of Vaccines and Biologicals, World Health Organization

LOUIS Z. COOPER
Professor of Pediatrics, Columbia University; Immediate Past President, American Academy of Pediatrics

GINA TAMBINI
Manager, Family and Community Health Area, Pan American Health Organization

CARLOS CASTILLO-SOLÓRZANO
Regional Advisor on Vaccines and Immunization, Family and Community Health Area, Pan American Health Organization

MÓNICA BRANA
Technical Officer, Family and Community Health Area, Pan American Health Organization

CIRO A. DE QUADROS
Director, International Programs, Albert B. Sabin Vaccine Institute; Former Director, Division of Vaccines and Immunization, Pan American Health Organization
PART II. THE CUTTING EDGE

THOMAS P. MONATH
Chief Scientific Officer, Acambis, Inc., Cambridge, Massachusetts, U. S. A.

JOHN CLEMENS
Director, International Vaccine Institute, Seoul, South Korea

PAUL KILGORE
Research Scientist, International Vaccine Institute, Seoul, South Korea

MICHIAKI TAKAHASHI
Professor Emeritus, Osaka University; The Research Foundation for Microbial Diseases of Osaka University, Osaka, Japan

STANLEY M. LEMON
Professor and Dean of Medicine, University of Texas Medical Branch, Galveston, Texas, U. S. A.

F. MARC LAFORCE
Director, Meningitis Vaccine Project, Program for Appropriate Technology for Health/ World Health Organization, Ferney-Voltaire, France

KEITH P. KLUGMAN
Professor of International Health, Department of International Health, Rollins School of Public Health; Professor of Medicine, Division of Infectious Diseases, School of Medicine, Emory University, and Director, Respiratory and Meningeal Pathogens Research Unit of the NHLS/MRC/Witwatersrand University, Johannesburg, South Africa
PART III. THE FUTURE

ROGER GLASS
UMESH PARASHAR
JOSEPH BRESEE
JON GENTSCH
REINA TURCIOS, AND
BAOMING JIANG
All from the Viral Gastroenteritis Section, Centers for Disease Control and Prevention, United States Department of Health and Human Services

MYRON M. LEVINE
Director, Center for Vaccine Development, University of Maryland School of Medicine, Baltimore, Maryland, U. S. A.

KAREN L. KOTLOFF
Professor of Pediatrics and Medicine, Center for Vaccine Development, University of Maryland School of Medicine, Baltimore, Maryland, U. S. A.

IAN H. FRAZER
Director, Center for Immunology and Cancer Research, University of Queensland, Australia

STEVEN J. CZINN
Division of Pediatric Gastroenterology and Nutrition, Rainbow Babies and Children’s Hospital, University Hospital Health System, Case Western Reserve University, Cleveland, Ohio, U. S. A.

STEPHEN COATES
QUI-LIM CHOO
GEORGE KUO
KEVIN CRAWFORD
CHRISTINE DONG
MARK WINIGER
AMY WEINER
SERGIO ABRIGNANI, AND
MICHAEL HOUGHTON
All from the Chiron Corporation, Emeryville, California, U. S. A.

JOHN TREANOR
Associate Professor of Medicine, University of Rochester Medical Center, Rochester, New York, U. S. A.

PETER F. WRIGHT
Departments of Pediatrics, Pathology, and Microbiology and Immunology, Vanderbilt University Medical Center, Nashville, Tennessee, U. S. A.
PART IV. THE QUEST

MICHAEL J. BRENNAN
Center for Biologics Evaluation and Research, Food and Drug Administration, Bethesda, Maryland, U.S.A.

JERONIMO CELLO
Department of Molecular Genetics and Microbiology, State University of New York, Stony Brook, New York, U.S.A.

NIDIA DE JESUS
Department of Molecular Genetics and Microbiology, State University of New York, Stony Brook, New York, U.S.A.

KONSTANTIN CHUMAKOV
Center for Biologics Evaluation and Research, United States Food and Drug Administration, Rockville, Maryland, U.S.A.

JIANG YIN
Department of Molecular Genetics and Microbiology, State University of New York, Stony Brook, New York, U.S.A.

ANIKO V. PAUL
Department of Molecular Genetics and Microbiology, State University of New York, Stony Brook, New York, U.S.A.

MATTHIAS GROMEIER
Department of Molecular Genetics and Microbiology, Duke University Medical Center, Durham, North Carolina, U.S.A.

ECKARD WIMMER
Department of Molecular Genetics and Microbiology, State University of New York, Stony Brook, New York, U.S.A.

JOSE ESPARZA
WHO-UNAIDS HIV Vaccine Initiative, Initiative for Vaccine Research, World Health Organization, Geneva, Switzerland

DAVID W. VAUGHN
Director, Military Infectious Diseases Research Program, U.S. Army Medical Research and Materiel Command, Fort Detrick, Maryland, U.S.A.

REGINA RABINOVICH
Director, Infectious Diseases, Global Health Program, Bill and Melinda Gates Foundation; Former Director, Malaria Vaccine Initiative, Program for Appropriate Technology in Health

PETER J. HOTEZ
Professor and Chair, Department of Microbiology and Tropical Medicine, George Washington University; the Albert B. Sabin Vaccine Institute, Washington, D.C., U.S.A.
PART V. NEW CONCEPTS FOR VACCINE DEVELOPMENT, ADJUVANTS, AND DELIVERY

JAY A. BERZOFSKY AND IGOR M. BELYAKOV
Molecular Immunogenetics and Vaccine Research Section, Metabolism Branch, National Cancer Institute, United States National Institutes of Health, Bethesda, Maryland, U.S.A.

W. PAUL GLEZEN
Professor, Department of Molecular Virology and Microbiology, Baylor College of Medicine, Houston, Texas, U.S.A.

MARGARET A. LIU
Vice-Chairman, Transgene, Strasbourg, France; Visiting Professor SMI, MTC, Karolinska Institute, Stockholm, Sweden

CHARLES J. ARNTZEN
Arizona Biodesign Institute, Arizona State University, Tempe, Arizona, U. S. A.

RICHARD T. MAHONEY
Research Professor, Biodesign Institute, Arizona State University, Tempe, Arizona

HUGH S. MASON
Associate Research Professor, Biodesign Institute, Arizona State University, Tempe, Arizona

DWAYNE D. KIRK
Project Manager (Vaccines), Boyce Thompson Institute for Plant Research, Ithaca, New York

NATALIE GARÇON
Director, Vaccine Formulation, Alternative Deliveries and Preclinical Operations, Research and Development, GlaxoSmithKline biologicals, Rue de l’Institute, 89, Rixensart, Belgium

MONCEF SLAOUI
Senior Vice President, Worldwide Business Development, GlaxoSmithKline, 709 Swedeland Road, King of Prussia, Pennsylvania, U. S. A.

JOHN BEADLE
Vice-President of Medical and Product Development, PowderJect Pharmaceuticals PLC, Oxford, United Kingdom
PART VI. VACCINES AND BIOTERRORISM

D. A. HENDERSON
Special Advisor, Center for Biosecurity, University of Pittsburgh Medical Center, Baltimore, Maryland, U.S.A.

ARTHUR M. FRIEDLANDER
Senior Military Branch Scientist, United States Army Medical Research Institute of Infectious Diseases, Fort Detrick, Maryland, U.S.A.

CLARENCE J. PETERS
Professor and Director, Center for Biodefense, University of Texas, Medical Branch, Galveston, Texas, U.S.A.
PART VII. REGULATORY AND SAFETY ISSUES

MANNFRED HAASE
Member, Committee for Proprietary Medicinal Products of the European Agency for the Evaluation of Medicinal Products.

LUIS BARRETO
Vice President, Public Affairs, and Director, Corporate Public Policy, Aventis Pasteur International Public Health Affairs, Canada

DAVID SALISBURY
Principal Medical Officer, Communicable Diseases Branch, Department of Health, United Kingdom
PART VIII. VACCINES, PREVENTION, AND PUBLIC HEALTH

CARLYLE GUERRA DE MACEDO
Director Emeritus, Pan American Health Organization

DEAN T. JAMISON
Senior Fellow, Fogarty International Center, United States National Institutes of Health, Bethesda, Maryland; Professor, University of California at Los Angeles (UCLA)

JULIO FRENK MORA
Minister of Health, Ministry of Health, Mexico.

ROBERTO TAPIA CONYER
Vice-Minister of Health, Ministry of Health, Mexico.

JOSÉ IGNACIO SANTOS
Director, National Center for Child and Adolescent Health, Ministry of Health, Mexico.

ALFREDO SOLARI
Senior Health Advisor, Social Development Division, Sustainable Development Department, Inter-American Development Bank

FERNANDO MUÑOZ
Division for Stewardship and Regulation, Ministry of Health, Chile

OSCAR ARTEAGA
Division of Health Policy and Management, School of Public Health, Universidad de Chile, Santiago, Chile

SERGIO MUÑOZ
Professor, CIGES, Faculty of Medicine, Universidad de la Frontera, Temuco, Chile

MARIO I. TARRIDE
Professor, Department of Industrial Engineering, Universidad de Santiago de Chile, Santiago, Chile

WALTER R. DOWDLE
Task Force for Child Survival and Development, Decatur, Georgia, U.S.A.
EPILOGUE

GEORGE A.O. ALLEYNE
Director Emeritus, Pan American Health Organization

DONALD A. HENDERSON
Special Advisor, Center for Biosecurity, University of Pittsburgh Medical Center, Baltimore, Maryland, U.S.A.