

CURRICULUM VITAE

ROBERT EDELMAN, M.D.

Clinical Professor of Medicine and Pediatrics,
University of Maryland School of Medicine

DATE September 1, 2016

CONTACT INFORMATION

University of Maryland School of Medicine
Center for Vaccine Development
685 W. Baltimore St., HSF I, Room 480
Baltimore, MD 21201
410-706-8443/5328 (Telephone)
410-706-6205 (Fax)
Email: redelman@medicine.umaryland.edu

EDUCATION

A.B.	1958	Washington University, St. Louis, Missouri
M.D.	1962	Washington University, St. Louis, Missouri, <u>Cum Laude</u>

POST GRADUATE EDUCATION AND TRAINING

Internship	1962-1963 1963-1964	Pathology, Johns Hopkins Hospital, Baltimore, Maryland Medicine, Osler Medical Service, Johns Hopkins Hospital, Baltimore, Maryland
Residency	1964-1965	Second-year in Medicine, Ward Medical Service, Barnes Hospital, St. Louis, Missouri
Fellowship	1965-1967 1967-1968	USPHS in Preventive Medicine, Case Western Reserve University School of Medicine, Cleveland, Ohio (Drs. Fred Wheelock and John Dingle, mentors) Special Fellow, USPHS, Case Western Reserve University School of Medicine, Cleveland, Ohio

CERTIFICATION

1972 Diplomate, American Board of Internal Medicine

MEDICAL LICENSURES

1962 The Missouri State Board of the Healing Arts

1973 Maryland Board of Medical Examiners

MAJOR RESEARCH INTERESTS

Clinical trials of anti-infectious vaccines, including lyme disease, dengue, malaria and other arthropod-borne infections, diarrheal agents, pertussis, viral hepatitis; Bioterror agents, including botulinum toxoid, smallpox, and anthrax; Clinical trials of vaccines in the elderly and the immunosuppressed; Vaccine adjuvants; Ethics of clinical research

MILITARY SERVICE

1968-1976 Captain, Major and Lt. Colonel, Reserve Active Duty, Medical Corps, U.S. Army Medical Research and Development Command, Washington, D.C.

1976-1988 Medical Director, Commissioned Corps, U.S. Public Health Service, Regular Active Duty, NIAID, NIH, PHS #44984

10/31/88 Honorable Discharge and Retirement, USPHS

EMPLOYMENT HISTORY

ACADEMIC APPOINTMENTS

1967-1968 Instructor, Department of Preventive Medicine, Case Western Reserve University School of Medicine, Cleveland, Ohio

1978-1984 Clinical Associate Professor of Medicine, Uniformed Services University of the Health Sciences

1984-1988 Clinical Professor of Medicine, Uniformed Services University of the Health Sciences, Bethesda, MD

1988 – Jan 31, 2011 Professor of Medicine (primary appointment, with tenure), Division of Geographic Medicine, Department of Medicine, UM School of Medicine

1990 - Jan 31, 2011 Professor of Pediatrics (secondary appointment), Division of Infectious Diseases & Tropical Pediatrics, Department of Pediatrics, UM School of Medicine

1997- current Affiliate Professor, Department of Pharmaceutical Sciences, School of Pharmacy, University of Maryland, Baltimore

Jan 31, 2011-current Clinical Professor of Medicine (primary appointment), part time, non-tenured track, Division of Geographic Medicine, Department of Medicine, University of Maryland School of Medicine

Jan 31, 2011-current Clinical Professor of Pediatrics (secondary appointment), part time, non-tenured track, Division of Infectious Diseases & Tropical Pediatrics, Department of Pediatrics, University of Maryland School of Medicine

PROFESSIONAL SOCIETY MEMBERSHIPS

1964 American Federation for Clinical Research

1966 American Society for Microbiology

1970 American Society for Tropical Medicine and Hygiene

1973 Fellow, Royal Society of Tropical Medicine and Hygiene, London

1974 Fellow, American College of Physicians

1974 Fellow, Infectious Diseases Society of America

1975 The American Association of Immunologists

1978 Pan American Group for Rapid Viral Diagnosis

1982 American Society for Rickettsia and Rickettsial Diseases

1982 The New York Academy of Sciences

1983 American Public Health Association

1988 American Committee on Arthropod-Borne Viruses

1988 American Institute of Nutrition

1988 American Society for Clinical Nutrition

1988 American Association for the Advancement of Science

1990 Society for International Nutrition Research

1994 International Society for Vaccines

1994 International Society for Travel Medicine

HONORS AND AWARDS

1958 Phi Beta Kappa

1962 Mosby Book Award

1962	Alpha Omega Alpha
1962	Medical Degree, <u>Cum Laude</u>
1970	U.S. Army Commendation Medal
1973	U.S. Army Meritorious Service Medal
1984	U.S. Public Health Services Commendation Medal
1986	Citation Classics (Current Contents) for articles: R. Edelman, PM Hartroft: Localization of renin in juxtaglomerular cells of rabbit and dog kidneys through the use of the fluorescent antibody technique. <u>Circulation Research</u> 9:1069-1077, 1961
1995	Medal of Appreciation, Ben Gurion University of the Negev, Beersheva, Israel, for encouraging and supporting scientific collaboration between faculty in the Health Sciences and investigators in Israel, Egypt and Gaza.
2014	Faculty Teacher of the Year Award, Department of Medicine – Division of Geographic Medicine, June 25, 2014

CLINICAL ACTIVITIES

1966-1967	Attending Physician, Student Health Service, Case Western Reserve University, Cleveland, Ohio
1968-1969	Night Medical Staff Physician. Washington Sanitarium and Hospital, Montgomery County, Maryland
1973-1988	Emergency Room Physician, (part time), Frederick Memorial Hospital, Frederick, MD
1997-2003	Medical Staff, James Lawrence Kernan Hospital, Baltimore, MD (Vaccine research in volunteers; no direct clinical care of ill patients)
1988-present	Medical Staff, University of Maryland Medical Center, Baltimore, MD (Vaccine research in adult healthy and sick volunteers; no direct clinical care of ill patients)
1992-2012	Medical Director, Travelers' Health Clinic, University of Maryland Faculty Practice, University of Maryland Medical Center, Baltimore, MD (Oversee 6 attending physicians and 2 nurses. Clinic open six, half-days per month for pre-travel and post-travel visits. Approximately 250 pediatric and adult travelers seen annually.)
1997-2009	Medical Staff, Baltimore Veterans Affairs Medical Center, Baltimore, MD. (Vaccine trials in adult healthy and sick volunteers; no direct clinical care of ill patients)
2012-current	Attending physician, Travelers' Health Clinic, University of Maryland Faculty Practice, University of Maryland Medical Center, Baltimore, MD

ADMINISTRATIVE SERVICE

INSTITUTIONAL SERVICE

1968-1970	Chief, Communicable Diseases and Immunology Research Branch, U.S. Army Medical Research and Development Command, Office of the Surgeon General, Washington, D.C.
1970	Acting Chief, Department of Virology, SEATO Medical Research Laboratory, Bangkok, Thailand
1970-1973	Visiting Lecturer, School of Public Health, Mahidol University, Bangkok, Thailand
1973-1974	Chief, Medical Division, U.S. Army Medical Research Institute of Infectious Diseases; Director of Medical Activities, Fort Detrick, Frederick, MD
1974-1976	Principal Investigator, Virology Division, USAMRIID; LTC, MC, USAR (Active Duty)
1976-1981	Chief, Clinical Studies Branch, Microbiology and Infectious Diseases Program, National Institute of Allergy and Infectious Diseases, NIH, Bethesda, Maryland
1976-1988	Program Officer, Nutrition, Infection and Immunity Program, NIAID, NIH

1981-1988 Program Officer, Enteric Diseases Program, NIAID, NIH

1981-1988 Chief, Clinical and Epidemiological Studies Branch, Microbiology and Infectious Diseases Program, NIAID, NIH

1984-1988 Deputy Director, Microbiology and Infectious Diseases Program, NIAID, NIH

1988 Program Officer, Collaborative Antibiotic Trials of Bacterial and Fungal Infections, NIAID

1988-2010 Associate Director for Clinical Research, Center for Vaccine Development, University of Maryland School of Medicine (UMSOM)

1989-1991 Member, Medical School Admissions Interview Committee, UMSOM

1989-1995 Member, Research Committee, Department of Medicine, UMSOM

1989-1995 Chairman, Biosafety Committee, Division of Environmental Health and Safety, University of Maryland, Baltimore (UMB)

1989-2005 Member, Intern Applicant Selection Committee, Department of Medicine, University of Maryland Medical Center (UMMC)

1991 Member, Doctoral Examination Committee, University of Maryland Graduate School

1991 Ad Hoc Member Promotions Committee, Department of Medicine, UMSOM

1991-1992 Member, Review Committee for Designated Research Initiative Fund (DRIF), University of Maryland Graduate School.

1991-1994 Member, Faculty Council, UMSOM

1993 Member, subcommittee on Phase III-Facilities Strategic Planning, University of Maryland Medical System

1993 Member, Faculty Peer Review Committee, Radiology Clerkship, UMSOM

1993-1995 Member, Scientific Advisory Committee, Maryland Biotechnology Center, University of Maryland Biotechnology Institute, Baltimore.

1994-1997 Organizer & Head, Hepatitis C Virus Working Group, UMSOM

1996 Member, Search Committee, Faculty Candidate, Division of Epidemiology in Medicine, Department of Medicine, UMSOM

1996-1999 Member, Institutional Review Board, UMB

1997-1998 Board Member, the Tropical Medicine Dinner Club of Baltimore

1999-2002 Vice-Chairman, Institutional Review Board, UMB

2000-2001 Member, Conflict of Interest Committee, UMSOM

2000-2010 Member, General Clinical Research Center Advisory Committee, UMSOM

2001-2007 Member, K-30 Clinical Research Curriculum Award Advisory Committee, UMSOM

2002-2010 Chairman, Institutional Review Board, UMB

2004-current	Member, The Human Research Policy and Oversight Committee, UMB
2007-2008	Member, LCME Accreditation Self-study Institutional Setting Sub-Committee, UMSOM
2007-current	Member, Committee on Housestaff International Rotations, Department of Medicine, UMMC
2007-current	Member, Fellowship Interview Committee, Division of Infectious Diseases, Department Medicine, UMMC
2011-current	Associate Director for Regulatory Affairs and Bioethics, Center for Vaccine Development, UMSOM
2011-current	Director, Clinical Research Training and Mentoring Program, Human Research Protections Office, Office of the President, UMB
2011-current	Vice Chair, Institutional Review Board, UMB
2011-current	Member, Intern Selection Committee, Department of Medicine, University of Maryland School of Medicine and University of Maryland Medical Center

OTHER COMMITTEE ACTIVITIES

1970-1972	Member, Committee on Viral Hemorrhagic Fever and Encephalitis, Ministry of Health, Royal Thai Government, Bangkok, Thailand
1974-1979	Member, Research Council for the Heart Association of Maryland
1975-1989	Member, Institutional Human Use Committee, Frederick Cancer Research Center, Frederick, Maryland
1976-1978	Commissioner (ex officio) National Commission on Digestive Diseases
1976-1988	NIAID Representative, NIH Nutrition Coordinating Committee
1978-1981	Vice-Chairman, Nutrition Coordinating Committee, Office of the Director, NIH
1978-1985	Member, Institutional Human Use Review Committee of the Walter Reed Army Institute of Research
1981-1987	Member (representative of the American Association of Immunologists), Life Sciences Research Office Advisory Committee, Federation of American Societies for Experimental Biology
1982-1986	Member, NIH Clinical Trials Committee
1982-1988	Member, (ex officio) National Digestive Diseases Advisory Board
1982 –1983	Member, Society of Medical Consultants to the Armed Forces
1988-1989	Member, AIDS Research Advisory Committee, NIAID, NIH.

EDITORIAL TASKS

Editorial Boards

1981-1983	Editorial Board, <i>Nutrition Research</i>
1981-1992	Editorial Board, <i>American Journal of Clinical Nutrition</i>
1989-current	International Editorial Board, <i>Vaccine</i>
2004-current	Associate Editor, <i>Human Vaccines and Immunotherapeutics</i>

Editorial Referee

American Journal of Epidemiology, American Journal of Clinical Nutrition, Proc. Soc. Expt'l Biol. & Med, Journal of Infectious Diseases, Science, American Journal of Public Health, Environmental Health Perspectives, American Journal of Tropical Medicine and Hygiene, Reviews of Infectious Diseases, Biotechnology, Vaccine, Hybridoma, Epidemiological Reviews, Proc. Natl. Acad. Sciences, Clinical Infectious Diseases, Human Vaccines, Annals of Internal Medicine, Journal of Pediatric Infectious Diseases, Antiviral Therapy, New England Journal of Medicine, Hepatology, Nature Reviews Microbiology, Lancet, Clinical Therapeutics, Biomolecular Engineering, Parasite Immunology, Journal of Nanobiotechnology, PLoS One, PLoS Neglected Tropical Diseases

NATIONAL AND INTERNATIONAL SERVICE**Major Consultantships**

- 1974-1976 Consultant to the Medical Division, U.S. Army Medical Research Institutes of Infectious Diseases (USAMRIID), Fort Detrick, Frederick, Maryland
- 1981-1987 Member, Life Sciences Research Advisory Committee, Federation of American Societies for Experimental Biology, Bethesda, MD
- 1981 Consultant, Togavirus Research Program, U.S. Army Medical Research and Development Command, Walter Reed Army Institute of Research, Washington, D.C.
- 1987 Senior Consultant, Rickettsial Diseases Research Project, NIAID/USAID Regional Project on "Vector-Borne Diseases in Israel and Egypt"
- 1987 Consultant, Venezuelan Equine Encephalomyelitis Vaccine Research Program, U.S. Army Medical Research Institute of Infectious Diseases, Frederick, Maryland
- 1987-1990 Member, Oversight Committee, Group B Meningococcal Vaccine Efficacy Field Trial in Chile, conducted by the Walter Reed Army Institute of Research and the Chilean Ministry of Health
- 1987-1996 Senior Consultant and U.S. Scientific Program Coordinator, Middle-East Regional Research Program (Israel, Egypt, USA) on the Control of Infectious Diseases the Institute of Medicine, U.S. National Academy of Sciences.
- 1988-1989 Member of Scientific Advisory Group, Pepto-Bismol Anti-diarrhea Petition (FDA), Procter and Gamble
- 1988-1990 Member, Data and Safety Monitoring Committee, Reassortant Rotavirus Vaccine Trials in Baltimore; Conducted by Johns Hopkins University; supported by Wyeth Laboratories
- 1989 Member, Scientific Review Board, Procor Technologies, Inc.
- 1989 Ad Hoc Member of NIAID Study Section to review grant applications submitted in response to the REA entitled, "Investigations on AIDS Vaccine Adjuvants." March 28 and 29, 1989. Bethesda Ramada Inn.
- 1989 Hoc Member of NIAID Study Section to review contract applications submitted in response to the RFP (NIH-NIAID-MIDP-90-03), "Evaluation of Control Measures Against Human Infectious Diseases other than AIDS." May 24, 1989. Executive Blvd. Office Bldg, Rockville, Md.
- 1989-1992 Member, AIDS Research Advisory Committee, National Institute of Allergy and Infectious Diseases, NIH, Bethesda, MD

- 1990-1994 Consultant and member of Columbia University, Advisory Committee for the NIAID International Center for Infectious Diseases Research grant, entitled, "Giardiasis and Cryptosporidiosis in Children." (Research conducted in New York City and Israel). P.I., Richard J. Deckelbaum M.D., Department of Pediatrics.
- 1990 Ad Hoc Grant Reviewer, Consultative Group for Vaccine Development, Office of Health, Bureau for Science and Technology, U.S. Agency for International Development. September 6-7, 1990, Parklawn Bldg., Rockville, MD.
- 1991 Consultant, Medisorb Technologies International L.P., Cincinnati, Ohio
- 1991 Member, Technical Planning Committee for "The Children's Vaccine Initiative: Strategies Towards Full U.S. Participation." Institute of Medicine, U.S. National Academy of Sciences.
- 1991-1992 Member, Consultative Group for Vaccine Development, Office of International Health, U.S. Public Health Service, and Office of Health, Bureau for Science and Technology, U.S. Agency for International Development.
- 1991- 1996 Senior Consultant to Univax Biologics, Inc., Rockville, Maryland.
- 1991-1992 Consultant, Micro Vesicular Systems, Inc., Nashua, NH.
- 1992 Consultant, Wyeth-Ayerst Research, Radnor, PA.
- 1992 Ad Hoc Grant Reviewer: Program in Science and Technology Cooperation/U.S. Cooperative Development Research, USAID.
- 1992 Board on Science and Technology for International Development, Office of International Affairs, National Research Council.
- 1992 Program on Transdisease Vaccinology, World Health Organization, Geneva, Switzerland.
- 1992 Ad Hoc Consultant, Vaccines and Related Biological Products Advisory Committee, Center for Biologics Evaluation and Research, Food and Drug Administration.
- 1993 Ad Hoc Reviewer of research proposals submitted to the Board on Science & Technology for International Development (BOSTID), a section of the National Academy of Science/National Research Council. February 1993.
- 1993 Consultant, G.D. Searle Research & Development, Chicago, Illinois.
- 1993 Consultant & member Vaccine Adjuvant Advisory Board, Schering-Plough Research Institute, Kenilworth, New Jersey.
- 1993 Consultant, Wyeth-Ayerst Research, Philadelphia, PA.
- 1993 Consultant, Fogarty International Center, NIH, Bethesda, MD, on Future Avenues for Cooperation in Biomedical Research in the Middle East. Nov. 10, 1993.
- 1994 Chairman, NICHD/NIH Ad Hoc Study Section to Review Contract Application Submitted in response to the RFP (NICHD-DESPR-91-10). "Data Coordination Center for Vaccine Evaluation". Nov. 1, 1994.
- 1995 Chairman, NICHD/NIH Ad Hoc Study Section to review contract applications submitted in response to the RFP-NICHD-DESPR-95-13, "Data Coordinating Center for Vaccine Evaluation". April 19, 1995.

- 1996 Member, NICHD/NIH Ad Hoc Study Section to review contract applications submitted in response to the RFP-NICHD-DESPR-96-06, "Effectiveness Trial of Killed Oral Cholera Vaccine in Central Coastal Vietnam". August 20, 1996.
- 1997 Consultant, Pasteur Mérieux Connaught, Toronto, Canada.
- 1997 Member, NICHD/NIH Ad Hoc Study Section to review contract applications submitted in response to the RFP-NICHD-DESPR-97-08, "Longitudinal Study of Vaginal Flora", November 19, 1997.
- 1997-2000 Member and Safety Officer, Data and Safety Monitoring Board, NIAID sponsored trial, "Clinical Studies of Chronic Lyme Disease", conducted by the New England Medical Center, Boston.
- 1998 Consultant, Aquila Biopharmaceuticals, Inc., Framingham, MA.
- 1998-1999 Consultant, BioWhittaker, Inc., Walkersville, MD.
- 1999-2001 Expert Group on Diarrheal Diseases Management, SmithKline Beecham International, U.K.
- 1999-2000 Consultant, Scientific Applications International Corporation, McLean, VA.
- 1999 Consultant, Product Research and Development Committee, TDR/PRD, Malaria Vaccine, World Health Organization, Geneva, Switzerland. May 1999
- 1999 Consultant, Development of a Public Health Action Plan to Combat Antimicrobial Resistance, Task force meeting of the combined Federal Health Agencies, Atlanta, Georgia. July 1999.
- 2000 Ad hoc reviewer, Promotions and Tenure Committee, Intramural Program, NIAID, NIH, Bethesda, MD. January 2000.
- 2000 Member, Technical Advisory Group, Malaria Vaccine Initiative of PATH, Bill and Melinda Gates Foundation, Rockville, MD. May 8 and September 29, 2000.
- 2000 Member, Special Emphasis Panel, National Center for Research Resources, NIH, to review application submitted by Cincinnati Children's Hospital Research Foundation for renewal of General Clinical Research Center, September 12, 2000.
- 2001-2002 Chairman, Data and Safety Monitoring Board, NIAID-sponsored trial, "A Phase II Trial Evaluating the Effect of Dose-Ranging on the Safety and Immunogenicity of a Live Attenuated Recombinant Dengue Virus Type 4 Candidate Vaccine in Healthy Adults", conducted at the Johns Hopkins University School of Hygiene and Public Health, Baltimore and at NIAID, Bethesda.
- 2001-2002 Chairman, Data Safety Monitoring Committee, Phase II, controlled, randomized trial to compare the immunogenicity and safety of a hepatitis B vaccine with and without a proprietary adjuvant (AgB/RC-210-04 vs AgB) in healthy subjects in Argentina." Sponsored by Corixa Corp., Hamilton Montana.
- 2002-2003 Member, Data and Safety Monitoring Board, NIAID-sponsored trial, "Evaluation of a nine-valent CRM₁₉₇ - conjugated pneumococcal polysaccharide vaccine in elderly adults", conducted by the University of Rochester and the University of Cincinnati.
- 2002 Chairman, Data Safety Monitoring Board, Acambis protocol H-070-008, Phase III pivotal field trial of the comparative immunogenicity, safety and tolerability of two yellow fever 17D vaccines (Aprilvax and YF-Vax) in healthy infants and children in Peru. Sponsored by Acambis, Inc., Cambridge, MA.
- 2002 Chairman, Data Safety Monitoring Board, Acambis protocol H-050-001, Phase I trial of ChimeriVax-Den2 live attenuated vaccine and Yellow fever 17D vaccine in healthy adults. Sponsored by Acambis, Inc., Cambridge, MA.

- 2002 Member, NIAID/NIH Ad Hoc Study Section to review contract applications submitted in response to RFP-NIH-NIAID-DMID-02-26, "Development and Testing of Vaccines Against Anthrax", Monarch Hotel, Washington, D.C., July 15-16, 2002.
- 2003-2004 Member, Safety Monitoring Committee and Independent Safety Monitor, Avecia/NIAID/DMID trial, ascending dose study to determine the safety, tolerability and immunogenicity of recombinant anthrax vaccine containing the protective antigen (rPA) of Bacillus anthracis and anthrax vaccine adsorbed (AVA).
- 2003-2007 Member, Scientific Advisory Group, Group II –Dual Use Field Site Program, Pediatric Dengue Vaccine Initiative, Bill and Melinda Gates Foundation and International Vaccine Institute, Seoul, Korea
- 2003-2005 Member, Data Safety Monitoring Board, Phase I clinical trial of Chimerivax-West Nile (protocol H-244-001) live attenuated vaccine in healthy adults. Sponsored by Acambis, Inc., Cambridge, MA, and Cambridge, U.K.
- 2003-2005 Member, Data Safety Monitoring Board, Phase I clinical trial of ChimeriVax-Den2 (protocol H-244-002) live attenuated vaccine in healthy adults. Sponsored by Acambis, Inc., Cambridge, MA, and Cambridge, U.K
- 2003-2004 Member, Data Safety Monitoring Board, Phase I clinical trial of live attenuated tetravalent ChimeriVax™-Dengue vaccine (protocol H-050-002) in healthy adults. Sponsored by Acambis, Inc., Cambridge, MA, and Cambridge, U.K
- 2004 Member, NIAID/NIH Special Emphasis Panel (Ad Hoc Study Section) to review grant applications submitted in response to the RFP-NIH-NIAID-03-016, "Biodefense and SARS Product Development", May 17, 2004.
- 2004-2005 Member, Scientific Peer Review Advisory Panel, Malaria Vaccine Program, U.S. Army Military Infectious Diseases Research Program, American Institute of Biological Sciences, Reston, VA
- 2004-2005 Chairman, Safety Monitoring Committee, Vical /NIAID/DMID trial, Phase I trial of a DNA vaccine for Anthrax.
- 2005 Consultant, West Nile Vaccine Development Program, Acambis, Inc., Cambridge, MA.
- 2005 Consultant, Technology Roadmap to Accelerate Malaria Vaccine Development, Sponsored by The Bill and Melinda Gates Foundation, The Wellcome Trust, and the NIH.
- 2005-2006 Chairman, Data Safety Monitoring Board, a multicentre, phase 3 study of two Japanese Encephalitis vaccines (ChimeriVax™-JE and JE-VAX®)". Sponsored by Acambis, Inc., Cambridge, MA, and Cambridge, U.K
- 2005-2006 Chairman, Data Safety Monitoring Board, a multicentre, phase 3 study of a live attenuated Japanese encephalitis vaccine (ChimeriVax™-JE)". Sponsored by Acambis, Inc., Cambridge, MA, and Cambridge, U.K.
- 2005-2008 Member, Data Safety Monitoring Board, Phase I clinical trial of ChimeriVax™-West Nile (protocol H-244-003) live attenuated vaccine in healthy adults. Sponsored by Acambis, Inc., Cambridge, MA, and Cambridge, U.K.
- 2006-2008 Chairman, Advisory Group to revise the 2002 document, "Guidelines for the Evaluation of Dengue Vaccines in Populations Exposed to Natural Infection," Initiative for Vaccine Development (IVR), WHO Steering Committee on Dengue and Other Flavivirus Vaccines, World Health Organization, Geneva.
- 2006 External Reviewer, Institute of Medicine, National Academy of Sciences Report, "Gulf War and Health: Infectious Diseases"

- 2006-2009 Member, Data Safety Monitoring Board, "Phase I, Randomized, Controlled, Dosage-Escalation Trial to Evaluate the Immunogenicity, Safety, and Reactogenicity of an Adenovirus, Type 35 Based Circumsporozoite Malaria Vaccine in Healthy Adults 18 to 45 Years of Age." Sponsored by DMID, NIAID, NIH
- 2007 Member, NIAID/NIH Ad Hoc Study Section to review grant applications submitted in response to the PAR-06-384, "NIAID Clinical Trials Planning (R34) Grants", January 16, 2007.
- 2007-2008 Speaker's Bureau, sanofi pasteur vaccines
- 2007 Consultant, Human Hookworm Vaccine Initiative, Sabin Vaccine Institute, Washington, DC
- 2008 Consultant, Regional Meningococcal Advisory Board, Novartis Vaccines and Diagnostics, Hilton Baltimore Hotel, Baltimore MD, 10/29/08.
- 2008-2010 Member, Data Safety Monitoring Board, Phase II clinical trial of ChimeriVax™-West Nile (protocol H-244-004) live attenuated vaccine in healthy adults. Sponsored by Acambis, Inc., Cambridge, MA, and Cambridge, U.K.
- 2008 Chairman, Data Safety Monitoring Board, DMID protocol 07-0081, "A randomized double-blinded, controlled, phase 1, study of the safety, reactogenicity, and immunogenicity of intramuscular inactivated influenza A/H5N1 vaccine given alone or with ASO3 in healthy adults" Sponsored by DMID, NIAID, NIH
- 2008-2012 Member, WHO's Advisory Committee on Dengue and Other Flavivirus Vaccines, Initiative for Vaccine Research, World Health Organization, Geneva, Switzerland.
- 2009 Consultant to the IRB of the American Red Cross, Rockville MD. Critique of research protocol entitled "Prevalence of dengue virus in blood donors in South Florida."
- 2009-2010 Member, Data Monitoring Board. "A Pivotal Randomized, Single-Blind, Dose-Finding Study to Evaluate Immunogenicity, Safety and Tolerability of Different Formulations of an Adjuvanted and Non-Adjuvanted Egg-Derived, Inactivated Novel Swine Origin A/H1N1 Monovalent Subunit Influenza Virus Vaccine in Healthy Pediatric Subjects 3 to < 9 Years of Age and in Healthy Adult Subjects 18 or More Years of Age." Sponsored by Novartis Vaccines and Diagnostics, Inc. Cambridge, MA.
- 2009-2012 Member, Safety Monitoring Committee. "A Phase 1 Randomized, Controlled, Double-Blinded Dosage-Escalation Trial to Evaluate the Immunogenicity, Safety, and Reactogenicity of an Adenovirus Type 35 Based Circumsporozoite Malaria Vaccine In Burkina Fasso Semi-Immune, Healthy Adults 18 to 45 Years of Age." Sponsored by DMID, NIAID, NIH
- 2010-2013 Consultant, WHO Informal Consultation on Guidelines to Assure the Quality, Safety and Efficacy of Dengue Vaccines (Live, Tetravalent), Initiative for Vaccine Research, World Health Organization, Geneva, Switzerland.
- 2011-2012 Member, Safety Monitoring Committee, "CVD Shigella 28000. Safety, clinical tolerance, and immunogenicity of CVD 1208S, a Δ guaBA, Δ sen, Δ set, live, oral *Shigella flexneri* 2a vaccine manufactured using current Good Manufacturing Practices." Sponsored by Enteric Vaccine Initiative, Bill and Malinda Gates Foundation.
- 2013 Chairman, Scientific Advisory Board (SAB) for the annual review of the *Flavivirus Vaccine Research Program*, Military Infectious Diseases Research Program, US Army Medical Research and Materiel Command. December 18, 2013, American Institute of Biological Sciences, 1900 Campus Commons Dr, Suite 200, Reston, VA
- 2014 Member, Safety Monitoring Committee. "Protocol E. coli CVD 28000: Human Experimental Challenge with Enterotoxigenic Escherichia coli (ETEC) strain H10407, which is serotype 078:H11 and expresses

colonization factor I antigen (CFA/I) and both heat-labile enterotoxin (LT) and heat-stable enterotoxin (ST).” Sponsored by CVD.

- 2014–present Chairman, Independent Data Monitoring Committee, Takeda Tetravalent Dengue Vaccine Program, Takeda Vaccines, Inc., Deerfield, IL.
- 2015-present Expert participant: Consensus panel to develop standard clinical trial endpoints to measure dengue disease severity in interventional clinical trials. Sponsored by the NIAID, WHO, and the Partnership for Dengue Control.
- 2016 Member, NIAID Influenza Vaccine Clinical Trial Review Committee: ZA11-LR-M-J2. (NIH Special Emphasis Panel). Teleconference review 9/1/2016.

LOCAL COMMUNITY ACTIVITIES

- 1991-current Foster Parent Division, Jewish Family Services, Baltimore, MD
- 1999-current Board of Trustees, Eruv Foundation, Baltimore, MD
- 2000-current Board of Directors, National Association of Jewish Outreach Programs
- 2000-current Board of Directors, Camp Shoresh, Frederick, MD

POST-GRADUATE CLINICAL TEACHING

Attending Physician, UMMC Travel Medicine Clinic Clerkship.

- 2010: 14 Medical, Med/Peds, and Med/ER residents PGY-2 and PGY-3; 1 Infectious disease fellow; 4-16 contact hours per resident/fellow
- 2000-2009 0 -10 residents and infectious disease fellows annually; 4-16 contact hours per resident/fellow

MENTORING

In Vaccinology and Clinical Trials Research

- 1988-Current Annually, 1-4 medical students, Medicine and Pediatric Infectious Disease Fellows, Vaccinology fellows, Junior Faculty (Division of Geographic Medicine, Division of Infectious Diseases & Tropical Pediatrics, Department of Epidemiology and Preventive Medicine)

GRANT SUPPORT

ACTIVE GRANTS

- 11/01/07-10/31/14 Robert Edelman (Co-Inv, 10%; PI – K. Kotloff)
“Evaluation of Control Measures Against Infectious Diseases”
NIH/NIAID N01-AI-80001
\$23,689,121 total cost to date
- 07/01/07-06/30/12 Robert Edelman (Training Faculty, 5%; PI – M. Levine)
“Fellowship Training Program in Vaccinology”
NIH/NIAID T32 AI07524
Annual Direct Costs: \$232,372
- 04/01/04-02/16/12 Robert Edelman (Co-Inv, 2%, PI – W. Chen, *formerly C. Tacket*)
Food and Waterborne Disease Integrated Research Network Clinical Research Unit
“The Clinical Research Unit in this Network is involved with the evaluation of vaccines and other

biologics to prevent food and waterborne disease"
 NIH/NIAID N01-AI-40014
 Total Direct Costs: \$5,508,884

09/30/05-07/31/11 Robert Edelman (Mentor, 5%; PI – Shuldiner)
 "Roadmap Clinical Research Career Development Program at UMB"
 "Multidisciplinary Clinical Research Career Development Award"
 NIH/NCCRR K12 RR-023250
 Total cost: \$3,185,873

COMPLETED GRANTS, 2002-2010

10/01/07-09/30/10 Robert Edelman (Co-Inv, 10%; PI – K. Lyke)
 "Safety, Tolerability, and Protective Efficacy of a Non-Replicating, Metabolically
 Active Plasmodium falciparum Sporozoite Vaccine (Pf SPZ Vaccine)"
 PATH-MVI
 Total Direct Costs: \$ 856,849

10/16/06-04/30/07 Robert Edelman (Co-Inv, 5%; PI – K. Lyke)
 "Comparison of the Immunogenicity, Safety and Reactogenicity of FluBIØk™, Trivalent
 Recombinant Baculovirus-Expressed Hemagglutinin Influenza Vaccine, To a Licensed Egg-
 Grown Influenza Vaccine In Ambulatory Elderly Adults"
 Protein Sciences Corporation - PSC03
 Total Direct Costs: \$232,806

07/01/98-08/30/05 Robert Edelman (PI, 25%)
 "Evaluation of Vaccines and Therapeutics against Infectious Diseases Other than AIDS in the
 Elderly and Adults."
 NIH N01-AI-85342
 Total Costs: \$ 2,748,434

07/07/00-07/06/02 Robert Edelman (PI, 5%)
 Clinical Research Management, Inc.
 Dengue 7000
 Total Direct Costs: \$177,866

PUBLICATIONS

JOURNAL ARTICLES - REFEREED

1. Newmark L.N., Hartroft P.M., and Edelman, R. "Effects of dietary sodium deficiency and adrenalectomy on renal juxtaglomerular cells and adrenal cortex of the cat." Anatomical Record 1959; 135:316.
2. Edelman, R., and Hartroft, P.M., "Localization of renin in juxtaglomerular cells of rabbit and dog kidneys through the use of the fluorescent antibody technique." Circulation Research 1961; 9:1069.
3. Edelman R., and Wheelock, E.F. "Vesicular stomatitis virus replication in human leukocyte cultures: Enhancement by phytohemagglutinin." Science 1966; 154:1053-1055.
4. Edelman, R., Wheelock, E.F. "Specific role of human leukocyte types in viral infections. II. Monocytes as the host cell for vesicular stomatitis virus replication in vitro." Journal of Virology 1967; 1139-1149.
5. Edelman, R., and Wheelock, E.F. "Enhancement of replication of vesicular stomatitis virus in human lymphocyte cultures treated with heterologous anti-lymphocyte serum." Lancet 1968; 1:771-774.
6. Edelman, R., and Wheelock, E.F. "Specific role of human leukocyte types in viral infections. II. Phytohemagglutinin-treated lymphocytes as host cells for vesicular stomatitis virus replication in vitro." Journal of Virology 1968, 2:440-448.
7. Wheelock, E.F., and Edelman, R. "Specific role of each human leukocyte type in viral infections. III. 17D yellow fever virus replication and interferon production in homogenous cultures treated with phytohemagglutinin." Journal of Immunology 1969, 103:429-436.

8. Muangman, D., Edelman, R., Sullivan, M., and Gould, D., "The experimental transmission of Japanese encephalitis virus by Culex fuscocephala." American Journal of Tropical Medicine 1972, 21:482-486.
9. Edelman, R., Nisalak, A., Pariyanonda, A., and Udomsakdi, D., "Immunoglobulin response and viremia in dengue-vaccinated Gibbons repeatedly challenged with Japanese encephalitis virus. American Journal of Epidemiology." 1973, 97:208-218.
10. Edelman, R., Suskind, R., Sirisinha, S., and Olson, R.E., "Mechanics of defective delayed cutaneous hypersensitivity in children with protein-calorie malnutrition". Lancet 1973, 1:506-509.
11. Sirisinha, S., Suskind, R., Edelman, R., Charupatana, C., and Olson, R.E., "Complement and C3 proactivator levels in children with protein-calorie malnutrition and the effects of dietary treatment." Lancet 1973, 1:1016-1020.
12. Edelman, R., and Pariyanonda, A., "Human immunoglobulin M antibody in the serodiagnosis of Japanese encephalitis virus infections. American Journal of Epidemiology 1973, 93:29-38.
13. Grossman, R.A., Edelman, R., Chiewanich, P., Voodhikul, P., and Siriwan, C., "Study of Japanese encephalitis virus in Chiangmai, Thailand. II. Human clinical infections." American Journal of Epidemiology 1973, 98:121-132.
14. Grossman, R.A., Edelman, R., Willhight, M., Pantuwatana, S., and Udomsakdi, S., "Study of Japanese encephalitis virus in Chiangmai, Thailand." American Journal of Epidemiology 1973, 98:133-149.
15. Labowski, R.J., Edelman, R., Rustigian, R., and Bellanti, J.A., "Studies of cell-mediated immunity to measles virus by in vitro lymphocyte-mediated cytologists. Journal of Infectious Diseases 1974, 129:233-239.
16. Top, F.H., Jr., Kraivapan, C., Grossman, R.A., Rozmairek, H., Edelman, R., and Gould, D.J., "Studies of Ingwavuma virus in Thailand. Infection of domestic pigs." American Journal of Tropical Medicine and Hygiene 1974, 123:251-257.
17. Gould, D.J., Edelman, R., Grossman, R.A., Nisalak, A., and Sullivan, M.F., "Study of Japanese encephalitis in Chiangmai Valley, Thailand. IV. Vector studies." American Journal of Epidemiology 1975, 100:49-56.
18. Johnson, S.O., Edelman, R., Grossman, R.A., Muangman, D., Pomsdhit, J., and Gould, D.J., "Study of Japanese encephalitis virus in Chiangmai Valley, Thailand. V. Animal Infections." American Journal of Epidemiology 1974, 100:57-68.
19. Grossman, R.A., Edelman, R., and Gould, D.J., "Study of Japanese encephalitis virus in Chiangmai, Thailand. VI. Correlations and conclusions." American Journal of Epidemiology 1974, 100:69-76.
20. Schneider, R., Firestone, M., Edelman, R., Sistawuan, C., Chiewanish, P., Voodhikul, P., Sangsingkeo, P., "Clinical sequelae after Japanese encephalitis: A one year follow-up study in Northern Thailand." Southeast Asian Journal of Tropical Medicine and Public Health 1974, 5:560-568.
21. Sirisinha, S., Suskind, R., Edelman, R., Asvapaka, C., and Olson, R.E., "Secretory and serum IgA in children with protein-calorie malnutrition." Pediatrics 1975, 55:166-170.
22. Edelman, R., Nimmannitya, S., Colman, R.W. Talamo, R.C., and Top, F.H., Jr., "Evaluation of plasma kinin system in dengue hemorrhagic fever." Journal of Laboratory and Clinical Medicine 1975, 86:410-421.
23. Edelman, R., Schneider, R.J., Chiewanich, P., Pornpibul, R., and Voodhikul, P., "The effect of dengue virus infection on the clinical sequelae of Japanese encephalitis: A one year follow-up study in Thailand." South East Asian Journal of Tropical Medicine and Public Health 1975, 6:308-315.
24. Felsburg, P.J., Edelman, R., and Gilman, R.H. "The active E-rosette test: Correlation with delayed cutaneous hypersensitivity." Journal of Immunology 1976, 116:1110-1114.
25. Suskind, R., Sirisinha, S., Vithayasai, V., Edelman, R., Damrongsak, D., Charupatana, C., and Olson, R.E., "Inimitableness and antibody response in children with protein-calorie malnutrition." American Journal of Clinical Nutrition 1976, 29:836-841.
26. Edelman, R., Schneider, R.J., Vijjaviva, A., Pornpibul, R., Voodhikul, P., "Persistence of virus-specific IgM and clinical recovery after Japanese encephalitis." American Journal of Tropical Medicine and Hygiene 1976, 25:733-739.
27. Suskind, R., Edelman, R., Kulapongs, P., Sirisinha, S., Pariyanonda, A., and Olson R.E., "Complement activity in children with protein-calorie malnutrition." American Journal of Clinical Nutrition 1976, 29:1089-1092.
28. Felsburg, P., and Edelman, R., "The active E-Rosette Test: A sensitive in vitro correlate for human delayed hypersensitivity." Journal of Immunology 1977, 118:62-66.
29. Burke, D.S., Ramsburg, H., and Edelman, R., "Persistence of human antibody to subtypes of Venezuelan Equine Encephalomyelitis (VEE) virus after immunization with attenuated (TC-83) virus vaccine." Journal of Infectious Diseases 1977, 136:3549.
30. Kulapongs, P., Edelman, R., Suskind, R., and Olson, R.E., "Defective local leukocyte mobilization in children with kwashiorkor." American Journal of Clinical Nutrition 1977, 30:367-370.
31. Edelman, R., and Scheidt, K.B., "Sequential immunization of laboratory personnel with split and whole-virus A/swine influenza vaccines." Journal of Infectious Disease 1977, 136:500-506.
32. Wise, T.G., Dolin, R.G., Mazur, M.H., Top, F.H. Jr., Edelman, R., and Ennis, R.A., "Adverse systemic reactions and serological responses in adults following vaccination with bivalent A/Victoria-A/New Jersey and monovalent B/Hong Kong influenza vaccines." Journal of Infectious Diseases 1978, 136:507-517.

33. Colman, R.W., Edelman, R., Scott, C.F., and Gilman, R.H., "Plasma kallikrein activation and inhibition during typhoid fever." Journal of Clinical Investigation 1978, 61:287-296.
34. Edelman, R., "Introduction: The impact of infections on medical care in the United States, problems and priorities for future research." Annals of Internal Medicine. 1978, 89:741.
35. Leavitt, N.H., Miller, H.V., and Edelman, R., "Interaction of alpha-viruses with human peripheral leukocytes: in vitro replication of Venezuelan equine encephalomyelitis virus in monocyte cultures." Infection Immunity 1979, 24:642-646.
36. Edelman, R., "Malnutrition and leprosy: An analytical review." Leprosy in India 1979, 51:376-388.
37. Edelman, R., Ascher, M.S., Eddy, G.A., Oster, C., Cole, F., and Ramsburg, H., "Evaluation of a new inactivated Venezuelan equine encephalomyelitis virus vaccine (C-84) in man." Journal of Infectious Diseases 1979, 140:708-715.
38. Edelman, R., "Controlled study of streptococcal endocarditis-A problem of feasibility." J.A.M.A. 1979, 242:1612-1613.
39. Edelman, R., Chedid, L., and Hardegree, C., "Summary of an international symposium on potentiation of immune response to vaccines." Journal of Infectious Diseases 1980, 141:103-112.
40. Edelman, R., "Vaccine adjuvants." Reviews of Infectious Diseases 1980, 2:370-383.
41. Beisel, W.R., Edelman, R., Nauss, K., and Suskind, R.M. Single-nutrient effects on immunologic functions. J.A.M.A. 1981, 254:53-58.
42. Edelman, R., "Introduction: Proceedings of the NIH workshop on the nutritional support of the patient: Research directions for the 1980's." American Journal Clinical Nutrition Supplement, 1981, 34:1185-1186.
43. Good, R.A., Hanson, L.A., and Edelman, R., "Infections and undernutrition." Nutrition Reviews 1982, 40:119-128.
44. Benach, J.L., Bosler, E.M., Hanrahan, J.P., Coleman, J.L., Habicht, G.S., Bast, T.F., Cameron, D.J., Ziegler, J.L., Barbour, A.G., Burgdorfer, W., Edelman, R. and Kaslow, R.A., "Spirochetes isolated from the blood of two patients with lyme disease." New England Journal of Medicine 1983, 308:740-742.
45. MacDonald, P., Alexander, D., Catz, C., and Edelman, R. "Summary of a workshop on maternal genitourinary infections and the outcome of pregnancy." Journal of Infectious Diseases 1983, 147:596-605.
46. Fischer, G., Horton, R.E., and Edelman, R., "Proceedings of the NIAID workshop on the role of prophylactic penicillin to control early onset group B streptococcal sepsis in the newborn." Journal of Infectious Disease 1983, 148:163-166.
47. Edelman, R., and Levine, M.M. "Summary of a workshop on enteropathogenic Escherichia coli (EPEC)." Journal of Infectious Diseases 1983, 147:1108-1118.
48. Edelman, R., and Pierce, N.F. "Summary of the 19th U.S. Japan Joint Cholera Conference." Journal of Infectious Diseases 1984, 149:1014-1017.
49. Edelman, R., "Summary of the NIH workshop on the epidemiology of the acquired immunodeficiency syndrome." Journal of Infectious Diseases 1984, 150:295-303.
50. Levine, M.M., and Edelman, R., "Enteropathogenic Escherichia coli of classic serotypes associated with infant diarrhea-epidemiology and pathogenesis." Epidemiological Reviews 1984, 6:31-51.
51. Hanrahan, J.P., Benach, J.L., Coleman, J.L., Bosler, E.M., Morse, D.L., Cameron, D.J., Edelman, R., and Kaslow, R.A., "Incidence and cumulative frequency of endemic lyme disease in a community." Journal of Infectious Diseases 1984, 150:489-496.
52. Edelman, R., "The prevention and treatment of infectious diarrhea: Speculations on the next ten years." American Journal of Medicine 1985, 78:99-106.
53. Haverkos, H.W., Gottlieb, M.S., Killen, B.Y., and Edelman, R., "Classification of HTLV-III/LAV-related diseases." Journal of Infectious Diseases 1985, 152:1095.
54. Haverkos, H.W., and Edelman, R. "Heterosexual transmission of AIDS." J.A.M.A. 1985, 254:1035-1036.
55. Burgess, E.C., Amundson, T.E., Davis, J.P., Kaslow, R.A., and Edelman, R., "Experimental inoculation of *Permutis* sp. with *Borrelia burgdorferi*: Evidence of contact transmission." American Journal of Tropical Medicine and Hygiene 1986, 35:355-359.
56. Edelman, R., and Levine, M.M., "Summary of an international workshop on typhoid fever." Review of Infectious Diseases 1986, 35:355-359.
57. Gorbach, S.L., and Edelman, R. "Introduction. Travelers' Diarrhea: National Institutes of Health consensus development conference. Review of Infectious Diseases 1986, 8:S109-S110.
58. Edelman, R., and Sack, R.B., "Summary of the Twenty-First U.S.-Japan Joint Cholera Conference." Journal of Infectious Diseases 1986, 154:377-380.
59. Edelman, R., Sack, R.B., and Ohtomo, N. "Summary of the 22nd United States-Japan Joint Cholera Conference." Journal of Infectious Diseases 1987; 155:1352-1356.
60. Godsey, M.S., Amundson, T.E., Burgess, E.C., Schell, W., Davis, J.P., Kaslow, R.A., and Edelman, R., "Lyme Disease Ecology in Wisconsin: Distribution and host preferences of *Ixodes dammini*, and prevalence of antibody to *Borrelia burgdorferi* in small mammals." American Journal of Tropical Medicine and Hygiene 1987, 37:182-189.

61. Edelman, R., "Perspective on the development and deployment of rotavirus vaccines." Journal of Pediatric Infectious Diseases 1987, 6:704-710.
62. Edelman, R., Karmali, M.A., and Fleming, P.A., "Summary of an international symposium and workshop on verocytotoxin (Shiga-like toxin) -producing *Escherichia coli* (VTEC) infections." Journal of Infectious Diseases 1988, 157:1102-1104.
63. Haverkos, H.W., and Edelman, R., "Epidemiology of Aids Among Heterosexuals." JAMA 1988; 260 13:1922-1929.
64. Friedman, M.G., Galil, A., Sarov, B., Margalith, M., Katzir, G., Midthun, K., Urusawa, S., Kapikian, A.Z., Edelman, R., and Sarov, I., "Two sequential outbreaks of rotavirus gastroenteritis: evidence for symptomatic and asymptomatic reinfections." Journal of Infectious Diseases 158:814-822, 1988.
65. Edelman, R. Conference Report. "Oral Immunization Symposium." VACCINE 1989, 7:166-167.
66. Edelman, R. "Treatment of Gastrointestinal Infection". Current Opinion in Gastroenterology, 1990, 6:124-129.
67. Edelman, R. "Infant Nutrition and Immunity" in: Micronutrients and Immune Functions, Cytokines and Metabolism. Annals of the New York Academy of Sciences. 1990, Vol. 587:232-235.
68. Edelman, R. and Levine, M.M. Enteric Vaccines, Maryland Med J 1991, 40:199-203.
69. Eschenbach, A., Nugent, R., Rao, A.V., Cotch, M.F., Gibbs, R., Lipscomb, K.A., Martin, D.H., Pastorek, J.G., Rettig, P.J., Carey, J.D., Regan, J.A., Geromanos, K.L., Lee, M., Poole, W.K., Edelman, R., and the Vaginal Infections and Prematurity Study Group. "A randomized placebo-controlled trial of erythromycin for the treatment of *Ureaplasma urealyticum* to prevent premature delivery." Am. J. Obstet. Gynecol., 1991, 164: 734-742.
70. Heppner, G. and Edelman, R. "The Treatment of Gastrointestinal Infections". Current Opinion in Gastroenterology, 1991, 7: 116-122.
71. Edelman, R. "Perspective on the Development of Vaccines Against Lyme Disease." VACCINE, 1991, 9:531-532.
72. Herrington, D., Davis, J., Nardin, E., Beier, M., Cortese, J., Eddy, H., Losonsky, G., Hollingdale, M., Sztein, M., Levine, M.M., Nussenzweig, R.S., Clyde, D., Edelman, R. "Successful Immunization of humans with irradiated malaria sporozoites: Humoral and cellular responses of the protected vaccinees." Am.J. Trop. Med. Hyg., 1991, 45:539-547.
73. Moreno, A., Clavijo, P., Edelman, R., Davis, J., Sztein, M., Herrington, D., Nardin, E. "Cytotoxic CD4+ T cells from a sporozoite-immunized volunteer recognize the *P. falciparum* CS protein." International Immunol., 1991, 3:997-1003.
74. Herrington, D.A., Nardin, E.H., Losonsky, G., Bathurst, I.C., Barr, P.J., Hollingdale, M.R., Edelman, R., Levine, M.M. "Safety and immunogenicity of a recombinant sporozoite malaria vaccine against *Plasmodium vivax*." Am. J. Trop. Med. Hyg. 1991, 45:695-701.
75. Noriega, F.R., Scott, D.A., Edelman, R. "Treatment of gastrointestinal infections." Current Opinion in Gastroenterology. 1992, 8:128-133.
76. Tacket, C.O., Hone, D.M., Curtiss, R., Kelly, S.M., Losonsky, G., Guers, L., Harris, A.M., Edelman, R., Levine, M.M. "Comparison of the safety and immunogenicity of aroC, aroD, and cya,crp *Salmonella typhi* strains in adult volunteers." Infect. Immun. 1992, 60:536-541.
77. Brown, A.E., Herrington, D.A., Webster, H.K., Clyde, D.F., Sztein, M.B., Davis, J.R., Beier, M.S., Edelman, R. "Urinary Neopterin in Volunteers Experimentally Infected with *Plasmodium falciparum*." Trans. Royal Soc. Trop. Med. Hyg. 1992, 86:134-136.
78. Tacket, C.O., Hone, D.M., Losonsky, G.A., Guers, L., Edelman, R., Levine, M.M. "Clinical acceptability and immunogenicity of CVD 908 *Salmonella typhi* vaccine strain." Vaccine. 1992, 10:443-446.
79. Herrington, D.A., Losonsky, G.A., Smith, G., Volvovitz, F., Cochran, M., Jackson, K., Hoffman, S.L., Gordon, D.M., Levine, M.M., Edelman, R. "Safety and immunogenicity in volunteers of a recombinant *Plasmodium falciparum* circumsporozoite protein malaria vaccine produced in Lepidopteran cells." Vaccine 1992, 10:841-846.
80. Harpaz, R., Edelman, R., Wasserman, S.S., Levine, M.M., Davis, J.R., Sztein, M.B. "Serum cytokine profiles in experimental human malaria. Relationship to protection and disease course following challenge." J. Clin. Invest. 1992,90:515-523.
81. Tacket, C.O., Binion, S.B., Bostwick, E., Losonsky, G.A., Roy, M.J., Edelman, R.E. "Efficacy of bovine milk immunoglobulin concentrate in preventing illness after *Shigella flexneri* challenge." Am. J. Trop. Med. Hyg. 1992, 47:276-283.
82. Edelman, R. "An update on vaccine adjuvants in clinical trial." AIDS Research and Human Retroviruses. 1992, 8:1409-1411.
83. Tacket, C.O., Losonsky, G.A., Lubeck, M.D., Davis, A.R., Mizutani, S., Horwith, G., Hung, P., Edelman, R., Levine, M.M. "Initial safety and immunogenicity studies of an oral recombinant adenohepatitis B vaccine." Vaccine 1992 10:673-676.
84. Tacket, C.O., Losonsky, G., Nataro, J., Cryz, S.J., Edelman, R., Kaper, J.B., Levine, M.M. "Onset and duration of protective immunity in challenged volunteers after vaccination with live oral cholera vaccine CVD 103-HgR." J. infect. Dis. 1992, 166:837-841.

85. Nardin, D., Munesinghe, Y.D., Moreno, A., Clavijo, P., Calle, M.C., Edelman, R., Davis, J., Herrington, D., Nussenzweig, R.S. "T cell responses to repeat and non-repeat regions of the circumsporozoite protein detected in volunteers immunized with *Plasmodium falciparum* sporozoites." Memórias do Instituto Oswaldo Cruz. 1992 87(Supplement III):223-227.
86. Edelman, R., Russel, R.G., Losonsky, G., Tall, B.D., Tacket, C.O., Levine, M.M., Lewis, D.H. "Immunization of rabbits with enterotoxigenic *E. coli* Colonization Factor Antigen (CFA/I) encapsulated in biodegradable microspheres of poly (Lactide-Co-Glycolide)." Vaccine 1993, 11:155-158.
87. Zivny, J., Kurane, I., Tacket, C.O., Edelman, R., Ennis, F. "Dengue virus-specific, human CD4+ cytotoxic T lymphocytes (CTL) generated in short term culture: CD4+ CTL activity augmented by IL-4 and IL-7, and suppressed by TGF- β ." Viral Immunol. 1993, 6:143-151.
88. Davis, J.R., Beier, M.S., Beier, J.C., Pumpuni, C.B., Edelman, R., Herrington, C., Clyde, D.F. "Effects of ingested human anti-sporozoite sera on *Plasmodium falciparum* sporogony in *Anopheles stephensi*." Am. J. Trop. Med. Hyg. 1993, 49:174-180.
89. Hibbs, R.G., Corwin, A.L., Hassan, N.F., Kamel, M., Darwish, M., Edelman, R., Constantine, N., Rao, M.R., Khalifa, A.S., Mokhtar, S., Fam, N.S., Ekladios, E.M., Bassily, S.B. "The epidemiology of Hepatitis C antibody in Egypt." J. Infect. Dis. 1993, 168:789-790.
90. Moreno, A., Clavijo, P., Edelman, R., Davis, J., Szein, M., Sinigaglia, F., Nardin, E. "CD4+ T cell clones obtained from *P. falciparum* sporozoite-immunized volunteers recognize polymorphic sequences of the CS protein." J. Immunol. 1993, 151(July 1), 489-499.
91. Edelman, R. Vaccines: "New technologies and applications. A conference report." Vaccine 1993, 13:1361-1364.
92. Darwish, M.A., Raouf, T.A., Rushdy, P., Constantine, N.T., Rao, M.R., Edelman, R. "Risk factors associated with a high seroprevalence of hepatitis C virus infection in Egyptian blood donors." Am. J. Trop. Med. Hyg. 1993, 49:440-447.93.
93. Tacket, C.O., Losonsky, G., Nataro, J.P., Cryz, S.J., Edelman, R., Fasano, A., Michalski, J., Kaper, J.B., Levine, M.M. "Safety, immunogenicity, and transmissibility of live oral cholera vaccine candidate CVD 110, a Δ ctxA Δ zot Δ ace derivative of el tor ogawa *Vibrio cholerae*." J. Infect. Dis. 1993, 168:1536-1540.
94. Green, S., Kurane, I., Edelman, R., Tacket, C.O., Eckels, K.H., Vaughn, D.W., Hoke, C.H., and Ennis, F.A. "Dengue virus-specific human CD4+ T Lymphocyte responses in a recipient of an experimental live-attenuated Dengue 1 vaccine: bulk culture and clonal analysis and precursor frequency determination." J. Virol. 1993, 67:5962-5967.
95. Edelman, R., Hoffman, S.L., Davis, J.R., Beier, M., Szein, M.B., Losonsky, G., Herrington, D.A., Eddy, H.A., Hollingdale, M.R., Gordon, D.M., and Clyde, D.F. "Long-term persistence of sterile immunity in a volunteer immunized with X-irradiated *Plasmodium falciparum*." J. Infect. Dis. 1993, 168:1066-1070.
96. Cookson, S.L., and Edelman, R. "Treatment of gastrointestinal infections". Current Opinion in Gastroenterology 1994, 10:105-111.
97. Edelman, R., Taylor, D.N., Wasserman, S.S., McClain, J.B., Cross, A.S., Sadoff, J.C., Que, J., Cryz, S.J. "Phase I trial of a 24-valent Klebsiella capsular polysaccharide vaccine and an eight-valent Pseudomonas O-polysaccharide conjugate vaccine administered simultaneously." Vaccine 1994, 12 (no. 14): 1288-1294.
98. Tacket, C.O., Reid, R.H., Boedeker, E.C., Losonsky, G., Nataro, J.P., Bhagat, H., Edelman, R. "Enteral Immunization and Challenge of Volunteers given Enterotoxigenic *E. coli* CFA/II Encapsulated in biodegradable Microspheres." Vaccine 1994, 12 (no.14): 1270-1275.
99. Hoffman, S.L., Edelman, R., Bryan, J., Schneider, I., Davis, J., Sedegah, M., Gordon, D., Church, P., Gross, M., Silverman, C., Hollingdale, M., Clyde, D., Szein, M., Losonsky, G., Paparello, S., and Jones, T.R. "Safety, Immunogenicity, and Efficacy of Malaria Sporozoite Vaccine Administered with Monophosphoryl Lipid A, Cell Wall Skeleton of Mycobacteria and Squalane." Am. J. Trop. Med. Hyg. 1994, 51:603-612.
100. Mackowiak, P.A., Wasserman, S.S., Tacket, C.O., Vaughn, D.W., Eckels, K.H., Dubois, D.R., Hoke, C.H., Edelman, R. "Quantitative relationship between oral temperature and severity of illness after inoculation with candidate attenuated dengue virus vaccines." Clin. Infect. Dis. 1994, 19: 948-950.
101. Szein, M.B., Wasserman, S.S., Tacket, C.O., Edelman, R., Hone, D., Lindberg, A.A., Levine, M.M. "Cytokine production patterns and lymphoproliferative responses in volunteers orally immunized with attenuated vaccine strains of *Salmonella typhi*." J. Infect. Dis. 1994, 170: 1508-1517.
102. Edelman, R., Tacket, C.O., Wasserman, S.S., Vaughn, D.W., Eckels, K.H., Dubois, D.R., Summers, P.L., Hoke, C.H. "A live-attenuated dengue-1 vaccine candidate (45A25) passaged in primary dog kidney cell culture is attenuated & immunogenic for humans." J. Infect. Dis. 1994, 170:1448-1455.
103. Edelman, R. Conference Report. "Proceedings of the Sixth International Conference on Lyme borreliosis: Progress on the Development of Lyme Disease Vaccines." Vaccine 1995, 13:133-135.

104. Tacket, C.O., Losonsky, G., Nataro, J.P., Wasserman, S.S., Cryz, S.J., Edelman, R., Levine, M.M. "Extension of the volunteers challenge model to study South American Cholera in a population of volunteers with predominantly blood group antigen O." Trans. Roy. Soc. Trop. Med. Hyg. 1995, 89:75-77.
105. Tacket, C.O., Losonsky, G., Nataro, J.P., Comstock, L., Michalski, J., Edelman, R., Kaper, J.B., Levine, M.M. "Initial Clinical studies of CVD 112 *Vibrio cholerae* 0139 live oral vaccine: Safety and efficacy against experimental challenge." J. Infect Dis. 1995, 172:883-886.
106. Hillier, S.L., Nugent, R.P., Eschenbach, D.A., Krohn, M.A., Gibbs, R.S., Martin, D.H., Cotch, M.F., Edelman, R., Pastorek II, J.G., Rao, A.V., McNellis, D., Regan, J.A., Carey, J.C., Klebanoff, M.A., "Vaginal Infections and Prematurity Study Group. Association between bacterial vaginosis and preterm delivery of a low-birth-weight infant." N. Eng. J. Med. 1995, 33:1737-1742.
107. Kotloff, K., Fattom, A., Bashan, L., Hawwari, A., Hardonen, S., Edelman, R. "Safety and immunogenicity of a tetravalent Group B streptococcal polysaccharide vaccine in healthy adults." Vaccine 1996, 14:446-450.
108. Basham, L., Pavlaik, V., Li, Hawwari, A., Kotloff, K., Edelman, R., Fattom, A. "A simple, quantitative reproducible avidin-biotin ELISA for the evaluation of group B streptococcus type specific antibodies in humans." Vaccine 1996, 14:439-445.
109. Regan, J.A., Klebanoff, M.A., Nugent, R.P., Eschenbach, D.A., Blackwelder, W.C., Lou, Y., Gibbs, R.S., Rettig, P.J., Martin, D.H., Edelman, R. "Colonization with Group B streptococci in pregnancy and adverse outcome." American Journal. J. Obstet. Gynecol. 1996; 174:1354-60.
110. Darwish, M.A., Faris, R., Clemens, J.D., Rao, M.R., Edelman, R. "High seroprevalence of Hepatitis A, B, C, and E viruses in residents of an Egyptian village in the Nile Delta: A pilot study." Am. J. Trop. Med. Hyg. 1996; 54:554-558.
111. Silva, T.M.J., Tacket, C.O., Kaper, J.B., Edelman, R., Schleupner, M., Guerrant, R.L. "New evidence for an inflammatory component in El Tor and 0139 cholera in diarrhea caused by selected new live attenuated cholera vaccines." Infect and Immun. 1996; 64:2362-2364.
112. Tacket, C.O., Sztein, M.B., Losonsky, G.A., Wasserman, S.S., Nataro, J.P., Edelman, R., Galen, J.E., Pickard, D., Dougan, G., Chatfield, S.N., Levine, M.M. "Safety of live oral *Salmonella typhi* vaccine strains with deletions in *htrA* and *aroC aroD* and immune response in humans." Infect and Immun 1997; 65:452-456.
113. Church, L.W.P., Bryan, J.P., Gordon, D.M., Edelman, R., Fries, L., Davis, J.R., Herrington, D.A., Clyde, D.F., Shmuklarsky, M.J., Schneider, I., McGovern, T.W., Chulay, J.D., Ballou, R.W., Hoffman, S.L. "Clinical manifestations of *Plasmodium falciparum* malaria experimentally induced by mosquito challenge." J Infect Dis 1997; 175:915-920.
114. Edelman, R. Conference Report. "Proceedings of the Seventh International Conference on Lyme borreliosis: Progress on the Development of Lyme Disease Vaccines." Vaccine 1997; 15:463-464.
115. Tacket, C.O., Kotloff, K.L., Losonsky, G., Nataro, J.P., Michalski, J., Kaper, J.B., Edelman, R., Levine, M.M. "Volunteer studies investigating the safety and efficacy of live oral El Tor *Vibrio cholerae* O1 vaccine strain CVD 111." Am J Trop Med Hyg 1997; 56:533-537.
116. Tacket, C.O., Kelly, S.M., Schödel, F., Losonsky, G., Nataro, J.P., Edelman, R., Levine, M.M., Curtiss, R. III. "Safety and immunogenicity in humans of an attenuated *Salmonella typhi* vaccine vector strain expressing plasmid-encoded hepatitis B antigens stabilized by the *asd* balanced-lethal system." Infect Immun 1997; 65:3381-3385.
117. Taylor, D.N., Tacket, C.O., Losonsky, G., Castro, O., Meza, R., Nataro, J.P., Kaper, J.B., Wasserman, S.S., Edelman, R., Levine, M.M., Cryz, S.J. "Evaluation of a Bivalent (CVD 103-HgR/CVD 111) Live Oral Cholera Vaccine in U.S. and Peruvian Adults." Infect Immun. 1997; 65:3852-3856.
118. El Sharkawy, MS, Faris, R, Grumbach K, Edelman R, Clemens J, Rao M, Darwish M. "Ultra sonographic measurements of the normal liver and spleen among Egyptians 10-50 years old." J Egypt Pub Hlth Assoc. 1997; 72, No.3,4, 257-283.
119. Na'Was T, Hawwari A, Hendrix E, Hebden J, Edelman R, Martin M, Campbell W, Naso R, Schwalbe R, Fattom A. "Phenotypic and genotypic characterization of nosocomial *Staphylococcus aureus* isolates from trauma patients." J Clin Microbiol, 1998; 36:414-420.
120. Sack, D.A., Tacket, C.O., Cohen, M.B., Sack, R.B., Losonsky, G.A., Shimko, J., Nataro, J.P., Edelman, R., Levine, M.M., Giannella, R.A., Schiff, G., Lang, D. "Validation of a volunteer model of cholera using frozen bacteria as the challenge." Infect Immun, 1998; 66:1968-72.
121. El Sharkawy, MS, Faris, R, Grumbach K, Edelman R, Clemens J, Rao M, Darwish M. "Abdominal ultra sonographic findings detected in the course of a hepatitis survey in an Egyptian rural area." The Journal of the Egyptian Public Health Association. 1998, 3, 4:369-385.
122. Campbell, W.N., Hendrix, L., Schwalbe, R., Fattom, A., and Edelman, R. "Head-injured patients who are nasal carriers of *Staphylococcus aureus* are at high risk for *Staphylococcus aureus* pneumonia." Crit. Care Med. 1999;27:798-801.
123. Edelman R, Palmer K, Russ KG, Secrest HP, Becker JL, Bodison SA, Perry JG, Sills AR, Barbour AG, Luke CJ,

- Hanson MS, Stover CK, Burlein JE, Bansal GP, Connor EM, Koenig S. "Safety and Immunogenicity of Recombinant Bacille Calmette-Guérin (rBCG) Expressing *Borrelia burgdorferi* Outer Surface Protein A (OspA) Lipoprotein in Adult Volunteers: A Candidate Lyme Disease Vaccine." *Vaccine*, 1999; 17:904-914.
124. Okeke I.N., Lamikanra A., Edelman R. "Socioeconomic and behavioral factors responsible for the high prevalence of acquired bacterial resistance to antibiotics in developing countries." *Emerging Infectious Diseases*, 1999;5:18-27.
 125. Tacket C.O., Roy M.J., Wiedera G., Swain W.F., Broome S., Edelman R. "Phase I safety and immune response studies of a DNA vaccine encoding hepatitis B surface antigen delivered by a gene delivery device." *Vaccine*, 1999; 17:2826-2829.
 126. Tacket C.O., Losonsky G, Livio S., Edelman R, Crabb J, Freedman D. "Lack of prophylactic efficacy of an enteric-coated bovine hyperimmune milk product against enterotoxigenic *E. coli* challenge administered during a standard meal." *J. Infect. Dis.*, 1999; 180:2056-9.
 127. Tacket C.O., Cohen M.B., Wasserman S.S., Losonsky G., Livio S., Kotloff K., Edelman R., Kaper J.B., Cryz S.J., Giannella R.A, Schiff G, Levine MM. "Randomized, double-blind, placebo-controlled, multicentered trial of the efficacy of a single dose of live oral cholera vaccine CVD 103-HgR in preventing cholera following challenge with *Vibrio cholerae* 01 EL Tor Inaba three months after vaccination", Dec 1999. *Infect Immun* 67:6341-45.
 128. Tacket C.O., Wasserman S.S., Losonsky G., Szein M.B., Kotloff K.L., Nataro J.P., Edelman R., Perry J., Bedford P., Brown D., Chatfield S., Dougan G., Levine M.M.. "Phase 2 clinical trial of attenuated *Salmonella enterica* serovar Typhi oral live vector vaccine CVD 908-*htrA* in U.S. volunteers." March 2000, *Infect Immun* 68:1196-1201.
 129. Sardelis M.R., Edelman R., Klein T.A., Innis BL, Putnak JR, Jones JW, Turell MJ. "Limited potential for transmission of live-attenuated dengue virus vaccine candidates by *Aedes aegypti* and *Aedes albopictus*." June 2000. *Am J Trop Med Hyg*, 62:698-701.
 130. Edelman R, Tacket CO, Wasserman SS, Bodison SA, Perry J, Mangiafico J. Phase II safety and immunogenicity study of live Chikungunya virus vaccine TSI-GSD-218." June 2000; *Am J Trop Med Hyg*, 62:681-5.
 131. Nardin EH, Oliveria GA, Calvo-Calle JM, Castro ZR, Nussenzweig RS, Schmeckpeper B, Hall BF, Diggs C, Bodison SA, Edelman R. "Synthetic malaria peptide vaccine elicits high levels of antibodies in vaccines of defined HLA genotype." Nov 2000; *J Infect Dis* 182:1486-96.
 132. Basnyat B, Cumbo TA, Edelman R. "Acute medical problems in the Himalayas outside the setting of altitude sickness." *High Altitude Medicine and Biology*, 2000 1; 167-173.
 133. Tacket CO, Galen J, Szein MB, Losonsky G, Wyant TL, Nataro J, Wasserman SS, Edelman R, Chatfield S, Dougan G, Levine MM. "Safety and immune responses to attenuated *Salmonella enterica* serovar typhi oral live vector vaccines expressing tetanus toxin fragment C." Nov. 2000; *Clin Immunol* 97:146-153.
 134. Kotloff K, Wasserman SS, Losonsky GA, Thomas W, Jr., Nichols R, Edelman R, Bridwell M, Monath TP. "Safety and immunogenicity of increasing doses of a *Clostridium difficile* toxoid vaccine administered to healthy adults." February 2001; *Infect Immun* 69:988-995.
 135. McClain JB, Edelman R, Shmuklarski M, Que J, Cryz SJ, Cross AS. "Unusual persistence in healthy volunteers and ill patients of hyperimmune immunoglobulin directed against multiple *Pseudomonas* O-chain and *Klebsiella* serotypes after intravenous infusion." May 2001; *Vaccine*, 19:3499-3508.
 136. Darwish MA, Faris R, El-Sharkawy MS, Edelman R, Rao MR, Darwish N, Gadallah M, Shouman A, Grumbach K, Clemens JD. "Hepatitis C and Cirrhotic liver disease in the Nile delta: A community-based study." March/April, 2001, *Am J Trop Med Hyg*, 63 (3, 4): 147-153.
 137. Cunningham D, Edelman R, Sun W. "Cellulitis, for Medicine and Infectious Disease." *eMedicine Journal* [serial online], July 2001. Available at <http://www.emedicine.com/med/topic310.htm>.
 138. Okeke IN, Edelman R. "Dissemination of antibiotic resistant bacteria across geographical borders." August, 2001; *Clin Infect Dis*, 33:364-369.
 139. Waite DC, Jacobson EW, Ennis FA, Edelman R, White B, Kammer R, Anderson C and Kensil CR. "Three double-blinded randomized trials evaluating the safety and tolerance of different formulations of the saponin adjuvant QS-21." July, 2001; *Vaccine* 19:3957-3967.
 140. Basnyat B, Cumbo TA, Edelman R. "Infectious Diseases at high altitude." December, 2001; *Clin Infect Dis*. 33:1887-91.
 141. Frey SE, Couch RB, Tacket CO, Treanor JJ, Wolff M, Newman FK, Atmar RL, Edelman R, Nolan CM, Belshe RB, for the NIAID Smallpox Vaccine Study Group. "Clinical Responses to Undiluted and Diluted Smallpox Vaccine in Vaccinia Naïve Individuals." April 26, 2002; *N Engl J Med*. 346:1265-74.
 142. Kublin JG, Lowitt MH, Hamilton RG, Oliveira GA, Nardin EH, Nussenzweig RS, Schmeckpeper BJ, Diggs CL, Bodison SA, Edelman R. "Delayed-type hypersensitivity in volunteers immunized with a synthetic multi-antigen peptide vaccine (PfCS-MAP1NYU) against *Plasmodium falciparum* sporozoites." March 2002; *Vaccine*. 20:1853-1861.

143. Edelman R, Wasserman SS, Kublin JG, Bodison SA, Nardin EH, Oliveira GA, Ansari S, Diggs CL, Kashala OL, Schmeckpeper BJ, Hamilton RG. "Immediate-type hypersensitivity and other clinical reactions in volunteers immunized with a synthetic, multi-antigen peptide vaccine (PfCS-MAP1NYU) against *P. falciparum* sporozoites." Vaccine, December 13, 2002; 21:269-280.
144. Campbell JD, Edelman R, King JC Jr, Papa T, Ryall R, and Rennels M. "Safety, reactogenicity, and immunogenicity of a tetravalent meningococcal polysaccharide-diphtheria conjugate vaccine given to healthy adults." J Infect Dis. December 15, 2002; 186:1848-51.
145. Rao MR, AB Naficy, MA. Darwish, NM Darwish, A Shouman, E Schisterman, JD Clemens, R Edelman. "Further evidence for association of hepatitis C infection with parenteral schistosomiasis treatment in Egypt." BMC Infectious Diseases 2002, 2:29 [online at <http://www.biomedcentral.com/1471-2334/2/29>]
146. Cumbo, TA, Basnyat B, Lescano A, Edelman R. "Respiratory infections at high altitude." Journal of Respiratory Diseases 2002 (Oct) 23:490-3.
147. Gregson R, Edelman R. "Dengue Virus Infection" (Review). Ped Infect Dis J. 2003 Feb; 22(2):179-81.
148. Sun W, Edelman R, Kanesa-Thanan N, Eckels KH, Putnak JR, King AD, Houg HS, Tang D, Scherer JM, Hoke CH Jr, Innis BL. "Vaccination of Human Volunteers With Monovalent And Tetravalent Live-Attenuated Dengue Vaccine Candidates." Am J Trop Med Hyg. 69 (Suppl 6) December 2003; pp. 24-31.
149. Kanesa-thasan N, Edelman R, Tacket CO, Wasserman SS, Vaughn DW, Coster TS, Kim-Ahn GJ, Dubois DR, Putnak RJ, King AD, Summers PL, Sun W, Innis BL, Eckels KH, Hoke Jr CH. "Phase I Studies of Walter Reed Army Institute of Research Candidate Attenuated Dengue Vaccines: Selection of Safe and Immunogenic Monovalent Vaccines." Am J Trop Med Hyg. 69 (Suppl 6) December 2003; pp.17-23.
150. Kanesa-thasan N, Sun W, Ludwig GV, Rossi C, Putnak JR, Mangiafico JA, Innis BL, Edelman, R. "Atypical Antibody Responses in Dengue Vaccine Recipients." Am J Trop Med Hyg. 69 (Suppl 6) December 2003; pp. 32-38.
151. Edelman R, Wasserman SS., Bodison SA, Putnak RJ, Eckels KH, Tang D, Kanesa-Thanan N, Vaughn DW, Innis BL, Sun W. "Phase I Trial Of 16 Formulations Of A Tetravalent Live-Attenuated Dengue Vaccine." Am J Trop Med Hyg. 69 (Suppl 6) December 2003; pp.48-60.
152. Edelman R, Wasserman SS, Bodison SA, Perry JG, O'Donnoghue M, Detolla L, Perry J. "Phase II safety and immunogenicity study of type F botulinum toxoid in adult volunteers." Vaccine. October 2003, 21:4335-4347.
153. Roghmann MC, Ball K, Erdman D, Lovchik J, Anderson LJ, and Edelman R. "Active Surveillance for Respiratory Syncytial Virus and other Respiratory Viruses in Adults who have undergone Bone Marrow and Peripheral Blood Stem Cell Transplantation." Bone Marrow Transplantation 32 (11): 1085-1088; Dec 2003.
154. Kenney RT, Edelman R. "Survey of Human-Use Adjuvants." Expert Rev. Vaccines April, 2003, 2(2), 167-188.
155. Hanson MS, Edelman R. "Progress and Controversy Surrounding Vaccines against Lyme disease." Expert Rev Vaccines. 2003 Oct; 2(5): 683-703.
156. Gregson AL, Edelman R. "Does Antigenic Overload Exist? The Role Multiple Immunizations in Infants." Immunology and Allergy Clinics of North America, Vaccines of the 21st Century. Volume 23, November 2003, pp. 649-664.
157. Le T, J Cherry, SJ Chang, MD Knoll, ML Lee, S Barenkamp, D Bernstein, R Edelman, KM Edwards, D Greenberg, W Keitel, J Treanor, JI Ward. "Immune Responses and Antibody Decay after Immunization of Adolescents and Adults with an Acellular Pertussis Vaccine: The APERT Study." Aug 1, 2004, J. Infect. Dis., 190:535-544.
158. Cherry JD, SJ Chang, D Klein, M Lee, S Barenkamp, D Bernstein, R Edelman, MD Decker, DP Greenberg, W Keitel, J Treanor, JI Ward. "Prevalence of Antibody to *Bordetella pertussis* Antigens in Serum specimens obtained from 1,793 Adolescents and Adults." Clin Infect Dis 2004 (December 1); 39:1715-18.
159. KA Kumar, GA Oliveira, R Edelman, E Nardin, V Nussenzweig. "Quantitative Plasmodium Sporozoite neutralization assay (TN-SNA)." J Immunol Methods 2004, Sept. 292 (1-2): 157-164.
160. Roghmann M, Taylor KL, Gupte A, Zhan M, Johnson JA, Cross A, Edelman R and Fattom A. "Epidemiology of Capsular and Surface Polysaccharide in Staphylococcus aureus Infections Complicated by Bacteraemia." J Hosp Infect. January 2005: 59:27-32.
161. Tacket CO, Pasetti MF, Edelman R, Howard JA, Streatfield S. "Immunogenicity of recombinant LT-B delivered orally to humans in transgenic corn." Vaccine, 2004, 22, 4385-4389.
162. Dowling TC, PA Chavaille, DG Young, A Melton-Celss, A O'Brien, C Thuning-Roberson, R Edelman, CO Tacket. "Phase 1 safety and pharmacokinetic study of a chimeric murine-human monoclonal antibody cαStx2 administered intravenously to healthy adult volunteers." Antimicrobial Agents and Chemotherapy. May 2005, 49, No.5, 1808-12.
163. JI Ward, JD Cherry, S-J Chang, S Partridge, H Lee, J Treanor, D Greenberg, W Keitel, S Barenkamp, D Bernstein, R Edelman, K Edwards, D Klein and the APERT Study Group. "Efficacy of an Acellular Pertussis Vaccine Among Adolescents and Adults." New Engl J Med, October 13, 2005, 353, No. 15, 1555-63.

164. AP Rapoport, EA Stadtmauer, N Aqui, A Badros, J Cotte, L Chrisley, E Veloso, Z Zheng, S Westphal, R Mair, N Chi, B Ratterree, MF Pochran, S Natt, J Hinkle, C Sickles, D Porter, S Luger, A Sohal, K Ruehle, C Lynch, L Zhang, C Guo, H Fang, W Blackwelder, K Hankey, D Mann, R Edelman, C Frasch, BL Levine, A Cross, and CH June. "Restoration of Immunity in Lymphopenic Individuals with Cancer by Vaccination and Adoptive T Cell Transfer." Nature Medicine, November, 2005, Volume 11, No. 11, 1230-1237.
165. J.I. Ward, JD Cherry, S-J Chang, S Partridge, W Keitel, K Edwards, M Lee, J Treanor, DP Greenberg, S Barenkamp, D Bernstein, R Edelman, and the APERT study group. "*Bordetella Pertussis* Infections in Vaccinated and Unvaccinated Adolescents and Adults, as Assessed in a National Prospective Randomized Acellular Pertussis Vaccine Trial (APERT)." Clin Infect Dis, 15 July 2006; 43:151-7.
166. R Edelman. "Dengue vaccines approach the finish line." Tribute to Ted Woodward, Clin Infect Dis. July, 2007; 45:S56-S60.
167. Cross AS, Calia FM, Edelman R. "From Rabbits to Humans: The contributions of Dr. Theodore E. Woodward to Tularemia Research." Tribute to Ted Woodward, Clin Infect Dis. July, 2007; 45:S61-S67.
168. RB Couch, P Winokur, R Brady, R Belshe, WH Chen, TR Cate, B Sigurdardottir, A Hooper, IL Graham, R Edelman, F He, D Nino, J Capellan, FL Ruben. "Safety and Immunogenicity of a New High Dosage Trivalent Influenza Vaccine among Elderly Subjects." Vaccine, October 2007; 25: 7656-7663.
169. AL Gregson, G Oliveira, CO Watta, JM Calvo-Calle, GB Thorton, E Nardin, R Edelman. "Phase I Trial of an Alhydrogel Adjuvanted Hepatitis B Core virus like Particle Containing Epitopes of *Plasmodium falciparum* Circumsporozoite Protein." Feb 6, 2008. PLoS ONE. Available online at: <http://www.plosone.org/doi/pone.0001556>.
170. R Edelman, J Hombach, "Guidelines for the Clinical Evaluation of Dengue Vaccines in Endemic Areas: Summary of a World Health Organization Steering Committee Report." Vaccine 26 (2008) 4113-4119.
171. AR Falsey, EE Walsh, M Zambon, J Capellan, S Gravenstein, M Zambon, E Yau, GJ Gorse, R Edelman, FG Hayden, JE McElhaney, KM Neuzil, KL Nichol, AF Simoes, PF Wright, VMP Sales. Comparison of the Safety and Immunogenicity of 2 Respiratory Syncytial Virus (RSV) Vaccines - Non-Adjuvanted Vaccine or Vaccine Adjuvanted with Alum - Given Concomitantly with Influenza Vaccine to High-Risk Elderly Individuals. J Infect Dis., 2008; 198:1317-1326.
172. Sun W, Cunningham D, Wasserman SS, Perry J, Putnak JR, Eckels KH, Vaughn DW, Thomas SJ, Kanesa-Thanan N, Innis BL, Edelman R. "Phase 2 Clinical Trial of Three Formulations of Tetravalent Live-attenuated Dengue Vaccine in Flavivirus-Naive Adults," Human Vaccines, 2009 January-February;5(1):33-40.
173. WH Chen, BF Kozlovsky, RB Effros, B Grubeck-Loebenstein, R Edelman, MB Sztein. "Vaccination in the elderly: an immunological perspective." Trends in Immunology, 2009 Jul;30(7):351-9.
174. RC Brady, JJ Treanor, RL Atmar, W Keitel, R Edelman, WH Chen, P Winokur, R Belshe, IL Graham, DL Noah, K Guo, H Hill. "Safety and immunogenicity of a subvirion inactivated influenza A/H5N1 vaccine with or without aluminum hydroxide among healthy elderly subjects." Vaccine, 2009 13 Aug; 27:5091-5095.
175. SL Hoffman, PF Billingsley, E James, A Richman, M Loyevsky, T Li, S Chakravarty, A Gunasekera, R Chattopadhyay, M Li, R Stafford, A Ahumada, JE Epstein, M Sedegah, S Reyes, TL Richie, KE Lyke, R Edelman, MB Laurens, CV Plowe, and B Kim Lee Sim. "Development of a metabolically active, non-replicating sporozoite Vaccine to Prevent *Plasmodium falciparum* Malaria." Human Vaccines 6 (1), 97-106; Jan 2010.
176. GW Letson, P Singhasivanon, E Fernandez, N Abeysinghe, JJ Amador, HS Margolis, R Edelman. "Dengue Vaccine Trial Guidelines and the Role of Large-Scale, Post Proof-of-Concept Demonstration Projects in Bringing a Dengue Vaccine to Use in Dengue Endemic Areas." Human Vaccines, 6:10, 1-8; October 2010.
177. KE Lyke, M Laurens, M Adams, P Billingsley, A Richman, M Loyevsky, S Chakravarty, CV Plowe, BK Lee Sim, R Edelman, SL Hoffman. "*Plasmodium falciparum* Malaria Challenge by the Bite of Aseptic *Anopheles stephensi* Mosquitoes: Results of a Randomized Infectivity Trial. PLoS ONE, Vol 5 (10); 1-10; October 2010.
178. D Trent, J Shin, J Hombach, P Minor (*lead writers*), A Barrett, D Bleijs, F Denamur, A Durbin, K Eckels, R Edelman, *et al*, (*Working Group Advisors and peer reviewers*). "Conference Report: WHO Working Group on technical specifications for manufacture and evaluation of dengue vaccines, Geneva, Switzerland, 11-12 May 2009." Vaccine 2010, 28: 8246-8255.
179. WH Chen, AS Cross, R Edelman, MB Sztein, WC Blackwelder, MF Pasetti. Antibody and Th1-type cell-mediated immune responses in elderly and young adults immunized with the standard or a high dose influenza vaccine. Vaccine 2011, 29:2865-2873.
180. KB Anderson, RV Gibbons, R Edelman, KH Eckels, RJ Putnak, BL Innis, W Sun." Interference and Facilitation between Dengue Serotypes in a Tetravalent Live Dengue Virus Vaccine Candidate." Journal of Infectious Diseases 2011 (1 August), 204: 442-450
181. S.S. El-Kamary, M Billington, S Deitz, E Colby, H Rhinehart, Y Wu, W Blackwelder, R Edelman, A Lee, A King. Safety and tolerability of the Easy Vax™ Clinical Epidermal Electroporation System in Healthy Adults. Molecular

- Therapy 2012 January;20(1):214-220
182. Epstein JE, Tewari K, Lyke KE, Sim BK, Billingsley P, Laurens MB, Gunasekera A, Chakravarty S, James ER, Sedegah M, Richman A, Velmurugan S, Reyes S, Li M, Tucker K, Ahumada A, Ruben AJ, Li T, Stafford R, Eappen AG, Tamminga C, Bennett JW, Ockenhouse CF, Murphy JR, Komisar J, Thomas N, Loyevsky M, Birkett A, Plowe CV, Loucq C, Edelman R, Richie TL, Seder RA, Hoffman SL. Live Attenuated Malaria Vaccine Designed to Protect through Hepatic CD8+ T Cell Immunity. Science 28 Oct 2011: Volume 334, No. 6055, pp. 475-480. (Published 8 September 2011 on Science Express DOI: 10.1126/science.1211548)
 183. AD Bentsi-Enchilla, J Schmitz, R Edelman, A Durbin, JT. Roehrig, PG. Smith, J Hombach, J Farrar. "Long-term safety assessment of live attenuated tetravalent dengue vaccines: Deliberations from a WHO technical consultation." Vaccine (Published 6 April 2013, DOI: <http://dx.doi.org/10.1016/j.vaccine.2013.03.038>).
 184. MB Laurens; PF Billingsley; A Richman; AG Eappen; M Adams; T Li; S Chakravarty; A Gunasekera; CG Jacob; B. Kim Lee Sim; R Edelman; CV Plowe; SL Hoffman; KE. Lyke. (07/17/2013) "Successful Human Infection with *P. falciparum* using Three Aseptic *Anopheles stephensi* Mosquitoes: A New Model for Controlled Human Malaria Infection". PLoS ONE 8(7): e68969. doi:10.1371/journal.pone.0068969.
 185. Monica A McArthur, Marcelo B Sztejn, and Robert Edelman. Dengue vaccines: recent developments, ongoing challenges and current candidates. Expert Review of Vaccines, August 2013, Vol. 12, No. 8, Pages 933-953 (doi: 10.1586/14760584.2013.815412)
 186. KE Lyke, MB Laurens, K Strauss, M Adams, PF Billingsley, E James, A Manoj, S Chakravarty, CV Plowe, ML Li, A Ruben, R Edelman, M Green, TJ Dube, B Kim Lee Sim, and SL Hoffman. "Optimizing Intradermal Administration of Cryopreserved Plasmodium falciparum Sporozoites in Controlled Human Malaria Infection." (Published online September 28, 2015; at <http://ajtmh.org/cgl/dol/10.4269/ajtmh.15341>); AJTMH 2015; Vol 93, No.2, 1274-1284

NON-REFEREED ARTICLES

1. Kunin, C.M., and Edelman, R. "The impact of infections on medical care in the United States. Problems and priorities for future research." Annals of Internal Medicine. 1978, 89:737-866.
2. Levine M.M., and Edelman, R. "Acute diarrheal infections in infants. I. Epidemiology, treatment, and prospects for immunoprophylaxis." Hospital Practice 1979; 14:89-100.
3. Edelman, R., and Levine, M.M. "Acute diarrheal infections in infants. II. Bacterial and Viral causes." Hospital Practice 1980, 15:97-104.
4. Edelman, R., and Callaway, C.W. "Proceedings of the NIH workshop on the nutritional support of the patient: Research directions for the 1980's." American Journal of Clinical Nutrition 1981, 34:1181-1259.
5. Edelman, R., and Jordan, W.S., Jr. "Vaccines for the future." Chronicles/Hospital Corporation of America, Nashville Tennessee 1983, 3:15-17.
6. Gorbach, S.L., and Edelman, R. "Travelers' diarrhea: National Institute of Health consensus development conference." Reviews of Infectious Diseases 1986, 8:S109-S233.
7. Edelman, R. "Acute Diarrheal Infection in Infants." SANDORAMA. Sandoz LTD, Basle, Switzerland. 1989/11
8. Dupont, H.L., Edelman, R, Kimmey, M. "Infectious diarrhea: From *E. coli* to *Vibrio*." Patient Care, May 30, 1991.
9. Edelman, R. "The Hidden Dangers of Eating Seafood". Healthwatch. Published by The University of Maryland at Baltimore. Summer, 1992.
10. Edelman, R. "The Mystery of Ebola. A Natural Born Killer." The Baltimore Sun Perspectives. Sunday, June 4, 1995.
11. Edelman R. "Lyme Disease." Baltimore Sun, Health Section, June 7, 2007.
12. Edelman R. "The Central Task of the IRB" Newsletter, Human Research Protections Office, University of Maryland, Baltimore, September / October, 2007.

BOOKS

1. Clinical Research and the Law. Patricia M. Tereskerz, JD, PhD; Consulting Clinical Editors: Robert Edelman, MD, FACP and Ross McKinney, Jr. MD. Wiley-Blackwell Publisher, Oxford, UK, May, 2012.

BOOK CHAPTERS AND OTHER PUBLICATIONS

1. Hartroft P.M., and Edelman R. Renal juxtaglomerular cells in sodium deficiency; Effect of hypophysectomy; Localization of renin by fluorescent antibody technique. In: Moyer and Fuchs, (Ed.), Edema. Philadelphia: Saunders Publishing Co., 1963.

2. Edelman R. Treatment of typhoid fever. In: H.F. (Ed), Current Therapy. W.B. Saunders Co., 1974.
3. Sirisinha, S., Suskind, R., Edelman, R., Asvapaka, C., and Olson, R.E. Secretary and serum IgA in children with protein-calorie malnutrition. In: J. Mestecky and A.R. Lawton, (Ed.), The Immunoglobulin A System. New York: Plenum Press, III, pp. 384-398, 1974.
4. Edelman R. Cell mediated immunity in protein-calorie malnutrition. In: R.E. Olson (Ed.), Protein-Calorie Malnutrition. New York: Academic Press, Inc., pp. 377-381, 1975.
5. Edelman, R. Cell-mediated immune response in malnutrition: A review of the world's literature. In: R. Suskind, (Ed.), Malnutrition and the Immune Response. New York: Raven Press, 1977.
6. Suskind R.M., Sirisinha S., Edelman R., Vithayasai V., Kulapongs P., Leitzmann L. and Olson R.E. Host defenses in protein-caloric malnutrition. In: J.F. Burke and G.Y. Hildack-Smith, (Ed.), The Infection Prone Hospital Patient. Boston: Little Brown & Co., 1978.
7. Edelman R. Obesity: Does it modulate infectious disease and immunity? In: N. Selvey and P.L. White, (Ed.), Nutrition in the 1980's: Constraints on our knowledge. New York: Alan R. Liss, Inc., pp. 327-337, 1981.
8. Edelman, R. Prevention of acute diarrhea in children: An overview. In: J.A. Bellanti, Nestle Nutrition Workshop Series, (Ed.), Proceedings of the International Nutrition Workshop: Acute Diarrhea: Its Nutritional Consequences in Children. New York: Raven Press, pp. 201-212, 1983.
9. Beisel, W., and Edelman, R. Infections and Immunity (PHS). Chapter 11 in the Surgeon General's Report on Nutrition and Health. U.S. Department of Health and Human Services DHHS (PHS). Publication No. 88-50210, U.S. Govt. Printing Office, Washington, D.C., 1988.
10. Edelman, R., Flores, J., and Kapikian, A.Z. Immunity to Rotaviruses. In: J. Mestecky and J. McGhee, (Ed.), Proceedings of the Symposium on Oral Immunization. Birmingham, Alabama, March 21 and 22, 1988. Heidelberg, New York: Springer-Verlag, pp. 123-136, 1989.
11. Haverkos, H.W. and Edelman, R. Heterosexual transmission of HIV. In: Epidemiology of AIDS: Expression, Occurrence, and Control of Human Immunodeficiency Virus type 1 Infection. New York, Oxford University Press, R.A. Kaslow and D.P. Francis, editors pp. 136-152, 1989.
12. Levine, M.M., and Edelman, R. Future Vaccines Against Enteric Pathogens. In: Infectious Disease Clinics of North America. W. Schaffner, (Ed.) Immunization in Adults I, Vol. 4, No 1, March, 1990. Philadelphia, Pennsylvania: W.B. Saunders Co. p. 105-121.
13. Edelman, R., and Tacket, C.O. Adjuvants for AIDS Vaccines. In: Development of AIDS Vaccines. International Reviews of Immunology. W.C. Koff and R.C. Kennedy (Ed.), Harwood Academic Publishers GmbH, 1990; vol. 7, p. 51-66.
14. Scott, D.A., and Edelman, R. Treatment of Gastrointestinal Infections. In: Bailliere's Clinical Gastroenterology. International Practice and Research Vol 7, No2, June 1993. M. Gracey and I. Bouchiere (eds.) London, Bailliere Tindall, W. B. Saunders Co. London.
15. Edelman, R. Vaccines Against Lyme Disease. In: New Generation Vaccines, 2nd Edition, Levine MM, Woodrow GC, Kaper JP, Coban GS (Eds.) Marcel Dekker, Inc., New York, 1997, p. 897-912.
16. Edelman, R. Adjuvants for the Future. In: New Generation Vaccines, 2nd Edition, Levine MM, Woodrow GC, Kaper JP, Coban GS (Eds.) Marcel Dekker, Inc., New York, 1997, p. 173-192.
17. Sarwari AR, Edelman R. Typhoid Fever. In: Conn's Current Therapy, 31st Edition, RE Rakel (Ed.) W. B. Saunders Company, Philadelphia, 1999, p. 163-165.
18. Edelman R. An Overview of Adjuvant Use. In: Vaccine Adjuvants: Preparation Methods and Research Protocols, O'Hagen D, (Ed), From the series on Methods in Molecular Medicine, Volume 42:1-27, 2000, Humana Press, Inc., Totowa, NJ.
19. Samandari T, Edelman R. Future Nonenteric Nonmalarial Vaccines for Travelers. In: Textbook of Travel Medicine and Health, 2nd Edition, HL Dupont and R Steffen, (Eds.), B.C. Decker Inc., Hamilton, Ontario, 2001, p. 263-268.
20. Edelman R. The Development and Use of Vaccine Adjuvants. In: "Reviews in Molecular Biology and Biotechnology", published in Molecular Biotechnology. Walker, JM, (Ed), Humana Press, Inc., Totowa, NJ, 2002, p. 129-148.
21. Hanson MS, Edelman R. Vaccines against Lyme Disease. In: New Generation Vaccines, 3rd Edition, Levine MM, Kaper JB, Rappuoli R, Lui M, Good M (Eds.) Marcel Dekker, Inc., New York, 2004.
22. Kenny R, Edelman R. Adjuvants for the future. In: New Generation Vaccines, 3rd Edition, Levine MM, Kaper JB, Rappuoli R, Lui M, Good M (Eds.) Marcel Dekker, Inc., New York, 2004.
23. Basnyat B, Cumbo T, Edelman R. Infections at High Altitude. In: Infections of Leisure, 3rd Edition, D Schlossberg, (Ed), ASM Press, Washington, D.C., 2004.
24. Simon J, Edelman R. Clinical Evaluation of Adjuvants. In: Immunopotentiators in Modern Vaccines. Schijns EJC and O'Hagan DT (Eds.). Elsevier Academic Press, Amsterdam, pages 319-342, 2006.

25. Edelman R, Whitehead SS, Vaughn DW. Vaccine Strategies to Prevent Dengue. In New Generation Vaccines, 4th Edition, MM Levine, G Dougan, MF Good, MA Liu, GJ Nable, JP Nataro, and R Rappuoli. (Eds.) Informa healthcare, New York, 2009.
26. R Edelman. "Guidelines for the Clinical Evaluation of Dengue Vaccines in Endemic areas." Who Initiative for Vaccine Research (IVR). World Health Organization, Geneva, Switzerland, September 2008. www.who.int/vaccines-documents/ ordering code: WHO/IVB/08.12.
27. Basnyat B, Cumbo T, Edelman R. Infections at High Altitude. In: Infections of Leisure, 4th Edition, D Schlossberg, (Ed), ASM Press, Washington, D.C., 2009.
28. E Harris, J Hombach, J Lazdins-Held (*lead writers*), B Canard, A Durbin, R Edelman, M Guzman, J Roehrig, S Vasudevan (*Advisors and peer reviewers*). Chapter 6, New Avenues, In: DENGUE: Guidelines for Diagnosis, Treatment, Prevention and Control. New edition, 2009, TDR, World Health Organization, Geneva, Switzerland.
29. McArthur MA, Szein MB, Edelman R. Prospects for controlling dengue spread: vaccines and vector control, In E book entitled '*Dengue: Transmission, Diagnosis & Surveillance*,' Future Medicine Ltd., doi:10.2217/EBO.13.692, pp 103-119. February, 2014

BOOK REVIEWS

1. Edelman R. Clinical manual of infectious disease. Stephen A. Berger, editor. In: ASM News 48, 449-450 1982
2. Edelman R. Food Allergy. R.K. Chandra, editor. In: American Journal of Clinical Nutrition , 48, 1346 1988
3. Edelman R. *Scientific Integrity, Third edition. Text and Cases in Responsible Conduct of Research*. By Francis L. Macrina. 2005. Washington D.C: ASM Press. 402 pages. In: Am J Trop Med Hyg. 75(3), 573, Sept 2006.

ABSTRACTS

1. Labowskie, R.J., Edelman, R., Biundo, M.D., and Bellanti, J.A., "A new test of delayed hypersensitivity to measles virus *in vitro*." Pediatric Research 1971, 5:380-381.
2. Acher, M.S., and Edelman, R., "Immunologic and clinical evaluation of an inactivated Venezuelan equine encephalomyelitis virus vaccine in man." Clinical Research 1977, 25:371A.
3. Edelman, R., Felsburg, P.J., Gilman, R.N. and Hornick, R. "Lymphocyte Subpopulations in volunteers challenged with *Salmonella typhi*." Clinical Research 1977, 25:388A.
4. Edelman R. "A perspective on the development and deployment of rotavirus vaccines." 1987 Meeting on Modern Approaches to New Vaccines Including Prevention of AIDS, Cold Spring Harbor, 1987, Conference Abstract Book, p.52.
5. Davis, J.R., Cortese, J.C., Herrington, D.A., Murphy, J.R., Clyde, D.F., Smith, G., Cochran, M.A., Edelman, R., Levine, M.M. "In vitro characterization and human infectivity of a cloned line of plasmodium falciparum." 39th Annual Meeting of the American Society of Tropical Medicine and Hygiene, November 4-8, 1990, Conference Abstract Book, pg.103.
6. Herrington, D.A., Losonsky, G.A., Smith, G.E., Cochran, M.A., Jackson, K.M., Hoffman, S., Gordon, D.M., Seguin, M., Edelman, R., Levine, M.M. "Safety and immunogenicity of a recombinant plasmodium falciparum sporozoite vaccine in volunteers." 39th Annual Meeting of the American Society of Tropical Medicine and Hygiene, November 4-8, 1990, Conference Abstract Book, pg. 110.
7. Tacket, C.O., Binion, S.B. Bostwick, E., Losonsky, G., Roy, M.J., Edelman, R. "Efficacy of bovine milk immunoglobulin concentrate in preventing illness after *Shigella flexneri* challenge." Fourth Annual Joint Israeli Defense force - U.S. Army Conference on Infectious Diseases and Vaccines of Military Importance. Conference Abstract Book, October 7-8, 1991, Herzlia, Israel.
8. Hoffman, S.L., Edelman, R., Bryan, J., Schneider, I., Davis, J., Sedegah, M., Gordon, D.M., Hollingdale, M.R., Gross, M., Paparello, S., Jones, T. "Malaria sporozoite vaccine provides minimal protection despite induction of high levels of antibodies." 40th Annual Meeting of the American Society of Tropical Medicine and Hygiene. Conference Abstract Book , December 1-5, 1991, pg. 26.
9. Davis, J.R., Beier, M.S., Beier, J.B., Clyde, D.F. Edelman, R. "Evaluation of ingested human anti-sporozoite sera on *Plasmodium falciparum* sporogony in *Anopheles stephensi*." 40th Annual Meeting of the American Society of Tropical Medicine and Hygiene. Conference Abstract Book, December 1-5, 1991, pg. 137.
10. Moreno, A., Clavijo, P., Edelman, R., Davis, J. Szein, M., Herrington, D.A., Nardin, E., Nussenzweig, R.S. "Cytotoxic CD4+ T cells from a sporozoite-immunized volunteer recognizes the *Plasmodium falciparum* CS protein." 40th Annual Meeting of the American Society of Tropical Medicine and Hygiene. Conference Abstract Book, December 1-5, 1991, pg. 220.
11. Boedeker, E., Reid, R., McQueen, C., Tseng, Y.L., Bhagat, H., Nellore, R., Tacket, C.O., Edelman, R. Immunogenicity of enterotoxigenic *E. coli* (ETEC) Colonization Factor Antigens (CFA/II) encapsulated in

- biodegradable polymer microspheres. American Society for Microbiology General Meeting, New Orleans, Louisiana. Conference Abstract Book, May 1992.
12. Church, P., Bryan, J.P., Edelman, R., Davis, J.R., Schmuklarsky, M.J., Herrington, D.A., Ballou, W.R., Gordon, D.G., and Hoffman, S.L. "Clinical and Laboratory Evaluation of Experimentally Induced Falciparum Malaria." 41st Annual Meeting of the American Society of Tropical Medicine and Hygiene. Seattle, Washington, November, 1992, Conference Abstract Book, pg. 220.
 13. Harpaz, R., Davis, J., Levine, M.M., Edelman, R., and Sztein, M.B. "Stimulatin of Peripheral Blood Mononuclear Cells by Soluble *Plasmodium Falciparum* Antigens and Its Potential Role in Experimental Human Malaria." 41st Annual Meeting of the American Society of Tropical Medicine and Hygiene. Seattle, Washington, Conference Abstract Book, November, 1992.
 14. Edelman, R., Tacket, C.O., Vaughn, D.W., Eckels, K.H., Dubois, D.R., Summers, P.L., Rice, R.M., and Hoke, C.H. "Phase I Trial of Dengue-1 Live-Attenuated Vaccines (Strain 45AZ5)." 41st Annual Meeting of the American Society of Tropical Medicine and Hygiene. Seattle, Washington, Conference Abstract Book, November, 1992.
 15. Vaughn, D.W., Eckels, K.H., Dubois, D.R., Edelman, R., Tacket, C.O., Summers, P.L., Rice, R., Kreiselbird, E., and Hoke, C.H. "Derivation of an attenuated Dengue 1 Vaccine Candidate." XIII International Congress for Tropical Medicine and Malaria, Jomtien, Pattaya, Thailand. Conference Abstract Book, November, 1992.
 16. Green, S., Kurane, I., Zivny, J., Tacket, C.O., Edelman, R., Eckels, K.H., Vaughn, D.W., Coke, C.H., Ennis, F.A. "Dengue Virus-Specific Human T Lymphocyte Responses in a Recipient of an Experimental Live-Attenuated Dengue-1 Vaccine." Third International Positive Strand RNA Symposium, Clearwater, Florida. Conference Abstract Book, September, 1992.
 17. Boedeker, E., Reid, R., Bhagat, H., Dalal, P., Tackett, C., Losonsky, G., Nataro, J., Edelman, R., Levine, M. "Safety, Immunogenicity and Efficacy in Human Volunteers of Biodegradable, Biocompatible Microspheres Containing Colonization Factor Antigen/II (CFA/II) as an Enteral Vaccine Against Enterotoxigenic *E. coli* (ETEC)." International Conference on Vaccines: New Technology & Applications." Cambridge Healthtech Institute, Washington, D.C. March 22-24, 1993.
 18. Tacket, C.O., Losonsky G.A., Bhagat, H., Edelman, R., Reid, R., Boedeker, E.C., Levine, M.M. "Phase I Study of an ETEC Vaccine Consisting of CFA/II in Biodegradable Polymer Microspheres." 93rd General Meeting, American Society for Microbiology, Atlanta, Georgia. May 16-20, 1993. Conference Abstract Book.
 19. Green, S., Kurane, I., Edelman, R., Tacket, C.O., Zeng, L., Brinton, M., Pincus, S., Paoletti, E., Ennis, F.A. "An Analysis of Dengue Virus-Specific CVD4+ Cytotoxic T Cell Clones Derived from a Recipient of an Experimental Live Attenuated Dengue 1 Vaccine." The Joint Annual Meeting of The Tropical Medicine and Hygiene and The American Society of Parasitologists, Atlanta, Georgia, October 31-November 4, 1993. Conference Abstract Book.
 20. Darwish, M., Raouf, T., Rushdy, P., Constantine, N., Rao, M., Edelman, R. "Schistosomiasis is a Risk Factor Associated with a High Seroprevalence of Hepatitis C Virus Infection in Egyptian Blood Donors." The Joint Annual Meeting of The American Society of Tropical Medicine and Hygiene and The American Society of Parasitologists, Atlanta, Georgia, October 31 - November 4, 1993. Conference Abstract Book.
 21. Edelman, R., Taylor, D., McClain, J., Cross, A., Sadoff, J., Wasserman, S., Que, J., Cryz, S. "Absence of Antigenic Interference in Adult Volunteers Immunized with a 24-valent *Klebsiella* Capsular Polysaccharide Vaccine and an 8-valent *Pseudomonas* O-Polysaccharide Vaccine." 33rd Interscience Conference on Antimicrobial Agents and Chemotherapy, New Orleans, LA, October 17-20, 1993. Conference Abstract Book.
 22. Kotloff, K., Edelman, R., Fattom, A., Bashan, L., Hawwari, A., Baker, C., Kasper, D. "Safety and Immunogenicity of a tetravalent Polysaccharide (PS) Group B Streptococcus (GBS) Vaccine." 33rd Interscience Conference on Antimicrobial Agents and Chemotherapy, New Orleans, LA, October 17-20, 1993. Conference Abstract Book.
 23. Fattom, A., Schwalbe R., Campbell, W., Hawwari, A., Patel, A., Hendrix, E., Hebden, J., Martin, M., Naso, R., Edelman, R. "Staphylococcus aureus Nasal Carriage and Infections in Intensive Care Patients: Capsular Polysaccharide Types and Epidemiology." 33rd Interscience Conference on Antimicrobial Agents and Chemotherapy, New Orleans, LA, October 17-20, 1993.
 24. Tacket, C.O., Losonsky, G., Nataro, J.P., Cryz, S.J., Edelman, R., Fasano, A., Michalski, J., Kaper, J.B., Levine, M.M. "Safety, Immunogenicity, and Transmissibility of Live Oral Cholera Strain CVD 110, a Δ ctxA Δ zot Δ ace Derivative of El Tor Ogawa *Vibrio cholerae*." 33rd Interscience Conference on Antimicrobial Agents and Chemotherapy, New Orleans, LA, October 17-20, 1993. Conference Abstract Book.
 25. Na'Was, T., Hawwari, A., Patel, A., Edelman, R., Campbell, W., Naso, R., Schwalbe, R., Fattom, A. "Types of Methicillin Resistant *Staphylococcus aureus* in isolates from University of Maryland Shock Trauma Center Patients." 93rd General Meeting, American Society for Microbiology, Las Vegas, Nevada, May 23, 1994. Conference Abstract Book.
 26. Tann, M., Sarov, B., Glazerman, M., Katz, M., Cutzen, C.C., Mushahwar, I.K., Shemer, Y., Edelman, R., Naggan, L. "Prevalence of various viral hepatitis markers of infection in women at delivery in the Negev." Annual Meeting of the

- Israel Epidemiology Association, Hadassah Medical Center, Jerusalem, Israel, April 5, 1994. Conference Abstract Book.
27. Sarov, B., Alkrinawi, S., Katz, M., Glezerman, M., Orgel, M., Tann, M., Kyrk, C.R., Mushuhwar, I., Margalith, M., Edelman, R., Naggan, L. "High prevalence rate of anti-HEV detected in the native Bedovin population in Southern Israel." Poster presentation. Joint meeting of the European Group for Rapid Viral Diagnosis and the Society Against Virus Diseases, Stockholm, Sweden, August, 1994. Conference Abstract Book.
 28. Tacket, C.O., Losonsky, G., Nataro, J.P., Edelman, R., Curtiss, R. III, Kelly, S., Schödel, F. "Phase I Study of attenuated *Salmonella typhi* expressing hepatitis B antigens." 34th Interscience Conference on Antimicrobial Agents and Chemotherapy. Orlando, Florida, October 4-7, 1994. Conference Abstract Book.
 29. Tacket, C.O., Edelman, R., Losonsky, G., Nataro, J.P., Wasserman, S.S., Cryz, S.J., Levine, M.M. "Extension of the volunteer challenge model to study South American Cholera in a population of volunteers with predominately blood group O." 43rd Annual Meeting of the American Society of Tropical Medicine and Hygiene. The Hyatt Regency, Cincinnati, Ohio. November 13-17, 1994. Conference Abstract Book.
 30. Sarov, B., Karakis, I., Bar-Shany, S., Gilon, E., Sikuler, E., Orgel, M., Margalith, A.M., Shemer-Avni, Y., Elsana, S., Yaari, A., Edelman, R., Naggan, L. "Natural History of Chronic HbsAg Carriers: A historical prospective study of blood donors." Abstract for poster session. 4th International Conference on Current Trends in Chronically Evolving Viral Hepatitis, Perugia, Italy, March 30, 1995. Conference Abstract Book. Abstract S37, pg. 39.
 31. Tacket, C.O., Losonsky, G., Szein, M.B., Nataro, J.P., Edelman, R., Chatfield, S., Levine, M.M. "Safety and immunogenicity of a live oral *Salmonella typhi* vaccine candidate deleted in *htrA* and *aroC aroD*." U.S.-Japan Joint Conference on Cholera, Kiawah Island, S. Carolina, December, 1995. Conference Abstract Book.
 32. Fattom, A., Na'awas T., Hawwari, A., Schwalbe, R., Campbell, W., Hendrix, E., Hebden, J., Edelman, R., Naso, R. "*Staphylococcus Aureus* Nasal Carriage as A Risk Factor for Pneumonia but not Bacteremia Infections in Shock Trauma Patients." Abstract for poster session. 95th General Meeting of the American Society for Microbiology, Washington, DC, May 24, 1996. Conference Abstract Book.
 33. Edelman, R., Faris, F., Clemens, J.D., Rao, M.R., Darwish, M. "High seroprevalence of hepatitis A, B, C and E viruses in an Egyptian village in the Nile Delta." Abstract for poster session, Keystone Symposia on Molecular & Cellular Biology. "Hepatitis C and Beyond," Burlington, Vermont, January 23-29, 1996. Conference Abstract Book.
 34. Abdel-Hamid, M., Constantine, N.T., Bassyouni, M., Edelman, R., Gray, S.R., Zhang, X. "Genotyping of Hepatitis C virus from Egypt using restriction enzymes and a rapid-direct RT-PCR." Abstract for poster session, Keystone Symposia on Molecular and Cellular Biology, "Hepatitis C and Beyond," Burlington, Vermont, January 23-29, 1996.
 35. Sarov, B., Karakis, I., Orgel, M., Bar-Shany, S., Gilon, E., Sikuler, E., Yaari, A., Edelman, R., Naggan, L. "Low Transmission of HBV Infection Among Family Members of Blood Donors Detected as Chronic HBsAg Carriers in Israel." Abstract for poster session. IX Triennial International Symposium on Viral Hepatitis and Liver Disease, Rome, Italy, April 21-25, 1996.
 36. Karakis, I., Sarov B., Orgel, M., Bar-Shany, E., Gilon, E., Sikuler, S., Orgel, M., Yaari, I., Edelman, R., Naggan, L. "Natural History of Chronic HBsAg Carriers: A Historical Perspective Study of Blood Donors." Abstract for poster session. 7th International Congress for Infectious Diseases. Hong Kong, June 9-13, 1996.
 37. Sarov B., Karakis, I., Orgel, M., Bar-Shany, E., Sikuler, S., Gilon, E., Edelman, R., Naggan, L. "low prevalence of HCV in HBsAg Positive Blood Donors Retested 20 years Later." Abstract for poster session. European Association for the Study of Liver Disease, 31st Annual meeting, Jerusalem, Israel, August 25-29, 1996.
 38. Levine, M.M., Kaper, J.B., Noriega, F., Tacket, C.O., Kotloff, K., Losonsky, G., Nataro, J., Edelman, R., Fasano, A., Lagos, R., Xu, J.G., Wu, S. "Engineered *Vibrio cholerae* and *Shigella* strains as live oral vaccines and as live vectors to deliver foreign antigens by mucosal immunization." Abstract for poster session. 10th International Biotechnology Symposium, Sydney, Australia, August, 1996
 39. Tacket, C.O., Losonsky, G., Nataro, J.P., Kaper, J.B., Wasserman, S.S., Edelman, R., Cryz, S.J., Levine, M.M. "Safety and immunogenicity of bivalent cholera vaccine CVD 103-HgR/CVD 111." U.S.-Japan Joint Conference on Cholera, Nagasaki, Japan, November, 1996. Conference Abstract Book.
 40. Kanesa-thasan, N., Edelman, R., Tacket, C.O., Wasserman, S., Vaughn, D.W., Coster, T.S., Kim-Ahn, G.J., King, A., Innis, B.L., Hoke, Jr., C.H. "Comparison of dengue 2 S16803 live-attenuated vaccines: Association with virus replication." 45th Annual Meeting, American Society for Tropical Medicine and Biology, Baltimore, MD, December 1-5, 1996, Conference Abstract Book. Abst #359, p. 218.
 41. Edelman, R., Wasserman S, DeTolla L, O'Donnoghue M. "An update on the phase II trial of a purified type F botulinum toxoid in healthy adult volunteers." 1997 Meeting of the Interagency Botulism Research Coordinating Committee. The Bethesda Ramada, Bethesda, MD; 12-14 November 1997. Conference Abstract Book.
 42. Edelman, R., Tacket CO, Wasserman SS, Kanesa-Thasan N, Putnak R, King A, Sun W, Tang D, Van Albert SA, Hoke CH, Eckels KH, Vaughn DW, Klein M, Turell M, Sardelis M, Innis BL. "Expanded phase I trial of four

- monovalent dengue virus vaccine candidates.” International Conference on Emerging Infectious Diseases. Atlanta Marriott Marquis, Atlanta, GA. March 8-11, 1998. Conference Abstract Book.
43. Edelman R, “An overview of vaccine adjuvants. ”Proceedings of the Third National Symposium, Basic Aspects of Vaccines, Sheraton Washington Hotel, Washington, D.C., April 29-May 1, 1998. Conference Abstract Book.
 44. Sardelis MR, Turell MJ, Jones JW, Edelman R, Putnak JR, Sun W, Innis BL, Klein TA. “Evaluation of transmission of four monovalent dengue vaccine candidates from vaccinees to mosquito vectors, *aedes, aegypti* and *ae. albopictus*.” Program and abstracts of the 47th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Caribe Hilton Hotel, San Juan, Puerto Rico, October 18-22, 1998, page 123.
 45. Nardin EH, de Oliveira GA, Calvo-Calle JM, Castro ZR, Nussenzweig RS, Schmeckpeper B, Badison S, Edelman R. “A synthetic CS-based peptide vaccine elicits high levels of antibodies to *Plasmodium falciparum* sporozoites in vaccinees of defined HLA genotype.” Program and abstracts of the 47th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Caribe Hilton Hotel, San Juan, Puerto Rico, October 18-22, 1998, page 234.
 46. Edelman R, Bodison SA, Schmeckpeper BJ, Hamilton RG, Diggs CL, Nussenzweig RS, Ansari S, Calvo-Calle JM, de Oliveira GA, Nardin EH. “Phase I trial of a *P. falciparum* map vaccine in adult volunteers: immediate-type and delayed-type hypersensitivity skin test reactions to the MAP vaccine.” Program and abstracts of the 47th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Caribe Hilton Hotel, San Juan, Puerto Rico, October 18-22, 1998, late breaker session.
 47. Edelman R, Wasserman S, DeTolla L, O’Donnoghue M. “An update on the phase II trial of a purified type F botulinum toxoid in healthy adult volunteers.” 1998 Meeting of the Interagency Botulism Research Coordinating Committee. The Holiday Inn, Port Washington, PA, 2 November 1998.
 48. Edelman R, Tacket C., Wasserman S., Kanesa-thasan N., Putnak R., King A., Sun W., Tang D., Van Albert S., Hoke C., Eckels K., Vaughn D., Klein T., Turell M., Sardelis M., Innis B. “Phase 1 trials of four monovalent attenuated dengue vaccine candidates.” Conference Abstract Book, International Meeting on Vaccines, Salvadore, Bahia, Brazil, November 29-December 2, 1998. Abstract #S7.3, p. 27.
 49. Edelman R. “An overview of vaccine adjuvants”. Conference Abstract Book, International Meeting on Vaccines, Salvadore, Bahia, Brazil, November 29-December 2, 1998.
 50. Sun WS, Edelman R, Eckels K, Putnak R, King A, Kanesa-thasan N, Innis B. “A study of live-attenuated tetravalent dengue vaccine by factorial design.” Conference Abstract Book, The Second Annual Conference on Vaccine Research. Hyatt Regency Bethesda, Bethesda, MD. March 28-30, 1999.
 51. Kanesa-thasan N, Sun W, Ludwig G, Rossi C, Putnak JR, Mangiafico JA, Edelman R, Innis B. “Atypical immune responses among dengue vaccine recipients attributable to occult yellow fever exposure.” Conference Abstract Book, The Second Annual Conference on Vaccine Research. Hyatt Regency Bethesda, Bethesda, MD. March 28-30, 1999.
 52. Oliveira GA, Calvo-Calle JM, Nussenzweig RS, Kublin J, Edelman R, Nardin E. “Genetic restriction of the serological and cellular responses in volunteers immunized with a *plasmodium falciparum* synthetic peptide vaccine.” Program and Abstracts of the 48th Annual Meeting of the American Society of Tropical Medicine and Hygiene. Washington Hilton Towers, Washington, D.C. November 28-December 2, 1999. Abstract #381, pg. 306.
 53. Kublin JG, Edelman R, Bodison SA, Schmeckpeper BJ, Hamilton RG, Diggs CL, Nussenzweig RS, Calvo-Calle JM, Oliveira GA, Nardin EH. “Phase I trial of a *plasmodium falciparum* map vaccine: delayed-type hypersensitivity skin test reactions to the map vaccine.” Program and Abstracts of the 48th Annual Meeting of the American Society of Tropical Medicine and Hygiene”. Washington Hilton Towers, Washington, D.C. November 28-December 2, 1999. Abstract #382, pg. 306.
 54. Edelman R, Kublin JG, Bodison SA, Schmeckpeper BJ, Hamilton RG, Kashala O, Diggs CL, Nussenzweig RS, Ansari S, Calvo-Calle JM, Oliveira GA, Nardin EH. “Phase II safety phase I trial of a plasmodium falciparum map vaccine in adult volunteers: immediate-type hypersensitivity reactions to the map vaccine.” Program and Abstracts of the 48th Annual Meeting of the American Society of Tropical Medicine and Hygiene. Washington Hilton Towers, Washington, D.C. November 28-December 2, 1999. Abstract #383, pg. 307.
 55. Edelman R, Tacket CO, Wasserman SS, Bodison SA, Perry JG, and Mangiafico J. “Phase II safety and immunogenicity study of live chikungunya virus vaccine TSI-GSD-218.” Program and Abstracts of the 48th Annual Meeting of the American Society of Tropical Medicine and Hygiene. Washington Hilton Towers, Washington, D.C. November 28-December 2, 1999. Abstract #442, pg. 95.
 56. Sun W, Houg H-S, Kanesa-thasan N, Verdier-Pinard D, Edelman R, Putnak R, Barvir D, Olson R, Eckels KH, Innis BL. “Potency of tetravalent live-attenuated dengue vaccines determined by serotype-specific fluorogenic RT-PCR.” Program and Abstracts of the 48th Annual Meeting of the American Society of Tropical Medicine and Hygiene. Washington Hilton Towers, Washington, D.C. November 28-December 2, 1999. Abstract #445, pg. 95.

57. Cunningham D, Sun W, Eckels KH, Putnak R, Vaughn DW, Wasserman S, Edelman R. "Phase I/II Trial of Three Tetravalent live-attenuated Dengue Vaccines." Program and Abstracts of the 50th Annual Meeting of the American Society of Tropical Medicine and Hygiene. Hilton Atlanta Hotel & Towers, Atlanta, Georgia, November 11-15, 2001. Abstract #693, pg. 387.
58. Girma M, Houg H-S, Edelman R, Cunningham D, Bailey S, Barvir D, Bisbing J, Vaughn DW, Sun W. "Delayed Plaque amplification and taqman RT-PCR for detecting vaccine viremia in human volunteers given live-attenuated tetravalent dengue vaccine." Program and Abstracts of the 50th Annual Meeting of the American Society of Tropical Medicine and Hygiene. Hilton Atlanta Hotel & Towers, Atlanta, Georgia, November 11-15, 2001. Abstract #713, pg. 394.
59. Gupte A., Wu Y., Fiore C., Roghmann M., Johnson J., Edelman R., Taylor K., Fattom A. *In vitro* Opsonophagocytosis of *S. aureus* Human Bacteremia Isolates is Mediated by Antibodies Specific to Type 5, Type 8 and 336 Polysaccharides. The 42nd Interscience Conference on Antimicrobial Agents and Chemotherapy, San Diego, CA. September 2002. (Poster Presentation).
60. Edelman R., Kublin JG, Lowitt MH, Wasserman SW, Hamilton RG, Oliveira GA, Nussenzweig RS, Schmeckpeper BJ, Diggs CL, Kashala OL, Bodison SA, Nardin EH. A Synthetic, Circumsporozoite (CS) Multi-antigen Peptide (MAP) Vaccine Against *Plasmodium falciparum* Elicits High Levels of Sporozoite Antibodies, and Cutaneous Delayed-type (DTH) and Immediate-type Hypersensitivity (ITH) to MAP in Adult Volunteers of Defined HLA Genotypes. Proceedings of the Third MIM Pan-African Malaria Conference, Arusha, Tanzania, November 21, 2002. Abstract #253, pg. 160
61. Edelman R, Plowe C. "Ethics in Clinical Trials. Perspectives of a U.S. IRB Chairman and U.S. Investigator in Africa". Proceedings of the Third MIM Pan-African Malaria Conference, Arusha, Tanzania, November 22, 2002. Program supplement on Vaccine theme abstracts, pg. 22.
62. Heuser MD, Chrisley L, Barnes R, Cerny J, Sztein M, Wasserman S, Edelman R. Placement of Hepatitis B Vaccine in Muscle Compared to Subcutaneous Fat of Older Adults Improves Antibody Response by Three-fold. American Geriatric Society National Meeting, Baltimore, MD, May 2003.
63. Cunningham R., Sun W, Edelman R. "Phase I/II Trial of Three Tetravalent Attenuated Dengue Vaccines," Seventh Annual Conference on Vaccine Research, sponsored by the National Foundation for Infectious Diseases. Crystal Gateway Marriott, Arlington, VA. May 26, 2004.
64. AG Gregson, E Nardin, G Oliveria, CO Watta, M Calvo-Calle, A Burkett, R Edelman. Phase I trial of Malarivax, a recombinant hepatitis B virus core particle containing repeat and T cell epitopes of the Plasmodium falciparum circumsporozoite protein. Abstracts of the 53rd Annual Meeting of the Am Soc Trop Med Hyg, Foutainebleau Hilton, Miami Beach Florida, Nov 7-11, 2004. Supplement to the *Am J Trop Med Hyg* volume 71, Oct 2004, #4. Abstract 922, page 273.
65. KB Anderson, RV Gibbons, R Putnak, K Eckels, R Edelman, W Sun. Interaction analyses of live, attenuated tetravalent dengue vaccines - Evidence of interference and complementation. Abstracts of the 53rd Annual Meeting of the Am Soc Trop Med Hyg, Foutainebleau Hilton, Miami Beach Florida, Nov 7-11, 2004. Supplement to the *Am J Trop Med Hyg* volume 71, Oct 2004, #4. Abstract 644, page 191.
66. Cross A, Rapoport AP, Levine BL, Stadtmauer EA, CH June, D Mann, C Frasch, C Lynch, A Badros, L Chrisley, J Cotte, Z Zheng, R Mair, N Chi, J Hinkle, L Zhang, R Edelman. Results of a Phase I/II Randomized Trial Testing Adoptive Transfer of Co-stimulated Autologous T Cells and Pneumococcal Conjugate Vaccine (PCV) After Autotransplantation for Myeloma (MM). Am Soc Hematology Annual Meeting, Dec 4-7, 2004, San Diego, CA
67. Watta CO, GA Oliveira, M Calvo-Calle, G Boehmer, PG Kremsner, GB Thornton, R Edelman, A Gregson, EH Nardin. "Human malaria-specific INF- γ T cell responses induced by virus like particles, comprised of hepatitis B virus core antigen and P. falciparum circumsporozoite protein T and B cell epitopes (ICC-1132), adjuvanted with alum as compared to ISA 720." Abstract Book #1101, page 318, *Am J Trop Med Hyg*, Vol 75, #5, November 2006. 55th Annual Meeting of the Am Soc Trop Med Hyg, Atlanta Marriott Marquis Hotel, 16 Nov 2006.
68. Epstein JE, Lyke K, Regis D, Reyes S, Williams F, Parekh F, Sim KL, Edelman R, Richie TL, Hoffman SL. Plans for Clinical Trials of a Metabolically Active, Radiation Attenuated *Plasmodium faciparum* Sporozoite Vaccine. African Malaria Network Trust AMANET Meeting. Feb 26, 2007. Zanzibar, Tanzania.
69. R. Edelman, M. Heuser, L. Crisley, R. Barnes, S. Wasserman, J. Cerny, B. Handwerger, M. Pasetti, K. Siddiqui, Y. Elbert, W. Blackwelder, M. Sztein. "Immunosenescence Among Healthy Elderly Adults Vaccinated With Recombivax-HB[®] Hepatitis B Vaccine." Final program and abstracts book, Abstract S1, Page 53, the 10th Annual Conference on Vaccine Research, sponsored by the National Foundation for Infectious Diseases, April 30-May 2, 2007, Baltimore Marriott Waterfront Hotel, Baltimore, MD.
70. RB Couch, P Winokur, R Brady, R Belshe, R Edelman, TR Cate, B Sigurdardottir, A Hoeper, I Graham, W Chen, F Ha, D Nino, J Capellan, F Ruben. "Reactogenicity and Immunogenicity of high dosage trivalent influenza vaccine among elderly subjects." Poster presentation, Abstract 57, page 38, the 10th Annual Conference on

- Vaccine Research, sponsored by the National Foundation for Infectious Diseases, April 30-May 2, 2007, Baltimore Marriott Waterfront Hotel, Baltimore, MD.
71. RC Brady, JT Treanor, RL Atmar, R Edelman, P Winokur, R Belshe. "A phase I-II randomized, controlled, dose-ranging study of the safety, reactogenicity and immunogenicity of intramuscular inactivated influenza A/H5N1 vaccine given alone or with aluminum hydroxide to healthy elderly adults." Program abstracts, "Options for the Control Influenza VI Meeting," Toronto, Canada, June 2007.
 72. Epstein JE, Lyke KE, Regis D, Reyes S, Williams F, Mendoza-Silveiras J, Parekh F, Lee Sim K, Lemiale L, Edelman R, Richie TL, Hoffman SL. A Metabolically Active, Non-Replicating *Plasmodium falciparum* Sporozoite Vaccine: The First Phase 1/2a Clinical Trial and Beyond. Poster presentation: Malaria Vaccines for the World, Royal Society of Medicine, London, UK, Sept. 17-19.
 73. Chen WH, Bowen S, Cross, AS, Edelman R, Hayes M, Lim Y, Reymann M, Ruslanove, Wu S, Sztejn, Pasetti MF. "Cellular and humoral immune response of elderly adults who received a high dose or low dose influenza vaccine." 15 minute oral presentation, 11th Annual Conference on Vaccine Research, Baltimore Marriott Waterfront Hotel, May 6, 2008.
 74. M Sztejn, M Heuser, W Chen, M Pasetti, A Cross and R Edelman, "Immunosenescence In Healthy Elderly Adults Immunized With Hepatitis B And Influenza Vaccines". 30 minute presentation. U.S.-Japan Cooperative Medical Science Program, Immunology Board: Immunosenescence Workshop, San Francisco, CA, June 18-21, 2008
 75. SL Hoffman, PF Billingsley, E James, A Richman, M Loyevsky, T Li, S Chakravarty, A Gunasekera, M Li, R Stafford, A Ahumada, JE Epstein, S Reyes, TL Richie, KE Lyke, R Edelman, MB Laurens, C Loucq, CV Plowe, B. Kim Lee Sim. "Development of an Attenuated Sporozoite Vaccine to Prevent *Plasmodium falciparum* Malaria." 5th Multilateral Initiative on Malaria Pan-African Malaria Conference. Kenyatta International Conference Center, Nairobi, Kenya. 2-6 November, 2009.
 76. Lyke K, M Laurens, M Adams, P Billingsley, A Richman, M Loyevsky, S Chakravarty, CV Plowe, KL Sim, R Edelman, S Hoffman, "A New Malaria Challenge System: Infection of Volunteers by the Bite of Aseptic *Anopheles Stephensi* Mosquitoes Infected with *Plasmodium Falciparum* (NF-54) Sporozoites" Abstract Book #897, page 186, Am J Trop Med Hyg, Vol 81, #5, November 2009. 58th Annual Meeting of the Am Soc Trop Med Hyg, Marriott Wyman Park Hotel, 22 Nov 2009.
 77. KE Lyke, C Anderson, MB Laurens, M Li, M Adams, P Billingsley, A Richman, M Loyevsky, S Chakravarty, CV Plowe, R Edelman, KL Sim, S Hoffman. "Merozoite Surface Protein 1 IgG Antibody Response to Infection of Volunteers by the Bite of Aseptic *Anopheles stephensi* Mosquitoes Infected with *Plasmodium falciparum* Sporozoites." The 13th Annual Conference on Vaccine Research. Bethesda North Marriott Hotel and Conference Center, North Bethesda, MD. April 27, 2010.
 78. Epstein JE, Lyke KE, Laurens MB, Reyes S, Tamminga C, Sedegah M, Thomas N, Murphy J, Billingsley PF, James E, Gunasekera A, Anderson C, Chakravarty S, Richman A, Li M, Ahumada A, Komisar J, Bennett J, Brandt W, Plowe CV, Ockenhouse CF, Kim Lee Sim B, Edelman R, Richie TL, Hoffman SL. "The first phase 1/2a trial of the metabolically-active, whole organism *Plasmodium falciparum* sporozoite (PfSPZ) vaccine." Abstract 807, Scientific Session 104. Malaria –Vaccines: Strategies for Improved Response. 59th Annual Meeting of the American Society for Tropical Medicine and Hygiene, Marriott Atlanta Marquis Hotel, Atlanta, Georgia. Nov 5, 2010.
 79. Matthew BL, P Billingsley, A Richman, AG Eappen, M Adams, T Li, S Chakravarty, CV Plowe, B Kim Lee Sim, R Edelman, SL Hoffman, KE Lyke. "A new malaria experimental challenge system: infection of volunteers by the bites of aseptic *Anopheles stephensi* mosquitoes infected with *Plasmodium falciparum* (NF54) sporozoites." Abstract 1217, Annual Meeting Program, Am J Trop Med Hyg, Vol 85, #6 supplement, page 222. 60th Annual Meeting of the Am Soc Trop Med Hyg, Philadelphia Marriott Downtown, Dec 4-8, 2011.
 80. Edelman, R., Heuser, M.D., Chrisley, L., Barnes, R., Blackwelder, W., Handwerger, B., Cerny, J., Pasetti, M., Siddiqui, K.M., and Sztejn, M.B. The Effect of Vaccination Route, Age and Gender on the Immune Response of Healthy Elderly Adults to a Recombinant Hepatitis B Surface Antigen Vaccine (Recombivax-HB®). 14th International Symposium on Viral Hepatitis and Liver Disease (ISVHLD). June 22-25, 2012. Shanghai, China.

LETTERS TO THE EDITOR

1. Edelman, R. Cutaneous hypersensitivity in protein-calorie malnutrition. Lancet 1973, 1:1244-1245.
2. Edelman, R. Interferon production. American Journal of Clinical Nutrition 1977, 30:1327.
3. Haverkos, H.W., Edelman, R., Killen, B.Y., and Gottlieb, M.S., Herpes zoster and the classification of HTLV-III/LAV-related diseases - reply. Journal of Infectious Diseases 1986, 154:190.
4. Edelman, R., and Haverkos, H.W., The suitability of HIV-positive individuals for marriage and pregnancy. JAMA 1989, 261:993.

5. Tacket, C.O., Edelman, R., Ethical issues involving volunteers in AIDS vaccine trials. J. Infect. Dis. 1990, 161:356.
6. Darwish, M., Faris, R., Clemens, J., Rao, M., Edelman, R. Hepatitis C Virus. Lancet 1995, 345:190-191.
7. Edelman, R. Hepatitis virus infections in Egypt. Am J Trop Med Hyg 1997, 57:251

EDITORIALS

1. Edelman, R., Enteric infections. Guest Editorial Prepared for Newspaper, Infectious Diseases. March, 1982.
2. Edelman, R., This Week's Citation Classic. Commentary on Circulation Research 9:109-1077, 1961. Current Contents 29: 14, 1986
3. Edelman, R. Progress on the development of Lyme disease vaccines. Vaccine. 13:135, 1995.
4. Edelman R. Dengue and Dengue Vaccines. J Infect Dis. 2005 (March 1); 191:650-653
5. Edelman R. Unique Challenges Faced by the Clinical Evaluation of Dengue Vaccines. Expert Rev Vaccines 10(2), 133-36, Feb 2011.
6. McArthur, M. and Edelman, R. A Promising, Single-dose, Live Attenuated Tetravalent Dengue Vaccine Candidate. J. Infect Dis. 2015;212:681-3. (1 September)

VISITING PROFESSOR

- 11/25/96 - 1/6/97 Dozor Visiting Professor of Medicine, Faculty of Health Sciences, Ben-Gurion University of the Negev, Beer-sheva, Israel
- 4/21/10-4/22/10 Visiting Professor, Canadian Center for Vaccinology, Dalhousie University and IWK Health Centre, Halifax, Nova Scotia, Canada

PRESENTATIONS AT NATIONAL AND INTERNATIONAL SCIENTIFIC MEETINGS

1. Edelman, R., Hartroft, P.M., "Localization of renin in juxtaglomerular cells of rabbit and dog kidneys.@ International Congress of Anatomy, New York, City, May, 1960
2. Edelman, R., Wheelock, E.F., "Enhancement of vesicular stomatitis virus replication in human leukocyte cultures." Annual Meeting, American Society for Microbiology, California, May, 1966.
3. Edelman, R., Wheelock, E.F. "Enhancement of virus replication of human lymphocyte cultures treated with heterologous antilymphocyte serum." 52nd Annual Meeting, Federation of American Societies for Experimental Biology, New Jersey, April, 1968.
4. Edelman, R., Wheelock, E.F. "Replication of vesicular stomatitis virus in normal and phytohemagglutinin treated human lymphocyte culture." Annual Meeting, American Society for Microbiology, Michigan, May, 1968.
5. Wheelock, E.F., Edelman, R. "Virus replication and interferon production in human leukocyte types inoculated with the 17D strain of yellow fever virus." Annual Meeting, American Society for Microbiology, Michigan, May, 1968.
6. Edelman, R., Pariyanonda, A., Grossman, R.A. "Human IgM antibody in the serodiagnosis of Japanese encephalitis virus infections." Annual Meeting, American Society for Tropical Medicine and Hygiene, Massachusetts, December, 1971.
7. Grossman, R.A., Edelman, R., Gould, D.J., Johnson, D.O. "A study of Japanese encephalitis virus in the Chiangmai Valley, Thailand." Annual Meeting, American Society for Tropical Medicine and Hygiene, Massachusetts, December, 1971.
8. Gould, D.J., Edelman, R., Grossman, R.A. "Vector studies in the Chiangmai Valley, Thailand." Annual Meeting, American Society for Tropical Medicine and Hygiene, Massachusetts, December, 1971.
9. Edelman, R., Suskind, R., Sirisinha, S., Olson, R.E. "Cell-mediated immune function in malnutrition." 9th International Congress of Nutrition, Mexico, September, 1972.
10. Suskind, R., Sirisinha, S., Edelman, R., Charupatana, C., Pariyanonda A., Olson, R.E. "Serum complement and immunoglobulins in malnutrition." 9th International Congress of Nutrition, Mexico, September 1972.
11. Top, F.H., Jr., Karivapan, C., Grossman, R.A., Edelman, R., Gould, D.J., Johnson, D.O. "Studies of Ingwavuma virus in Thailand." Annual Meeting American Society of Tropical Medicine and Hygiene, Florida, November, 1972.
12. Edelman, R. "Cell-mediated immunity in children with protein-calorie malnutrition." International Symposium on Protein-calorie Malnutrition, Thailand, January, 1973.
13. Sirisinha, S., Edelman, R., Suskind, R., Olson, R.E. "Serum and secretory IgA in protein-calorie malnutrition." International Conference on IgA Systems, Alabama, October, 1973.

14. Edelman, R., Nimmannitya, S., Colman, R.W., Talamo, R.C., Top, F.H., Jr. "Plasma kinin system in dengue hemorrhagic fever." Eastern Section, American Federation for Clinical Research, Massachusetts, January, 1974.
15. Edelman, R., Schneider, R.J., Chiewanich, P., Pornipibul, R., Voodhikul, P. "The effect of dengue virus infection on the clinical sequelae of Japanese encephalitis." National Meeting, American Federation for Clinical Research, New Jersey, May, 1975.
16. Edelman, R., Kulapongs, P., Suskind, R., Olson, R.E. "Cell-mediated immune function in malnutrition: A review of the world's literature," presented by R. Edelman, and "II. Defective leukocyte mobilization in children with kwashiorkor." Workshop on Malnutrition and Immunity sponsored by the Subcommittee on Nutrition and Infection, National Academy of Science, the Malnutrition Panel of the U.S.-Japan Cooperative Medical Science Program, and the Kroc Foundation, California, May 19-23, 1975.
17. Felsburg, P.J., Edelman, R. "The active E-rosette test: A sensitive test for delayed hypersensitivity." 15th Interscience conference on Antimicrobial Agents and Chemotherapy, Washington, September, 1975.
18. Edelman, R. "Long-term persistence of IgM antibody after Japanese encephalitis: Search for persistent viral infection." 4th Asian, Oceanian and Australasian Congress of Neurology and Neurological Surgery, Thailand, November, 1975.
19. Burke, D.S., Edelman, R. "The attenuated Venezuelan equine encephalomyelitis vaccines: Limitations of their use in man." 24th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Louisiana, November 1975.
20. Edelman, R., Burke, S.D. "The attenuated VEE vaccines: Their antigenic potency in man." 24th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Louisiana, November 1975.
21. Levitt, N.H., Miller, H.V., Edelman, R., Eddy, G.A. "Interaction of Venezuelan equine encephalomyelitis vaccine virus with human peripheral leukocytes." American Society for Microbiology, 77th Annual Meeting, Louisiana, May, 1976.
22. Edelman, R. "Sequential immunization of laboratory personnel with split and whole virus A/Swine influenza vaccines." Conference on the 1976 Influenza Vaccine Test Program, NIAID, NIH, January, 1977.
23. Wise, T.G., Dolin, R., Mazur, M., Top, F., Edelman, R., Ennis, F. "Clinical reactions and serological responses to vaccination with influenza vaccines containing bivalent A/New Jersey/76 and A/Victoria/75 antigens and monovalent B/Hong Kong/7 antigen." Conference on the 1976 Influenza Vaccine Test Program, NIAID, NIH, January, 1977.
24. Edelman, R. "Cell-mediated immunity and complement studies in pediatric protein-calorie malnutrition: A critique." Workshop on Nutrition and Immunology, sponsored by the Nutrition Study Section Division of Research Grants, NIH, Maryland, February, 1977.
25. Colman, R.W., Edelman, R., Scott, C.F., Gilman, R.H. "Plasma killikrein and C1 inhibitor form an in vivo complex during typhoid fever." Federation of American Societies for Experimental Biology and Medicine, 61st Annual Meeting, Illinois, March, 1977.
26. Edelman, R., Felsburg, P.J. "The active E-rosette lymphocyte test: A sensitive in vivo and in vitro correlate of delayed-type hypersensitivity in humans." Engineering Foundation Conference on Clinical Immunology, New Hampshire, August, 1977.
27. Edelman, R. "Malnutrition and leprosy." Joint Indo-U.S. Conference on Leprosy Research. Sponsored by the Indian Council of Medical Research. Central Jalma Institute for Leprosy, India, October, 1977.
28. Jahrling, P.B., Edelman, R. "Characterization of virulent Venezuelan encephalitis viruses isolated from throat with fluids obtained from TC-83 vaccine reactors." 26th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Colorado, November, 1977.
29. Edelman, R., Ascher, M.S., Oster, C.N., Ramsburg, H.H., Eddy, G.A. "Further immunologic evaluation of inactivated Venezuelan equine encephalomyelitis (VEE) vaccine in man." 26th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Colorado, November, 1977.
30. Edelman, R. "Introduction to the symposium on the impact of infections on Medical care in the U.S." NIH, Maryland, May, 1978.
31. Edelman, R., Felsburg P.J. "The active-E rosette test: A sensitive assay for human delayed-type hypersensitivity to microbial antigens." 12th International Leukocyte Culture Conference, Israel, June, 1978.
32. Edelman, R., Jordan, W.S. "The interface of basic research and clinical studies in medical mycology." 44th Annual Scientific Assembly, American College of Chest Physicians, Committee on Fungus Diseases, Washington, D.C., October, 1978.
33. Edelman, R. "Nutrition, infection and immunity. 30 minute lecture." 27th Annual Convention, Pediatric Section of Puerto Rico Medical Association, San Juan, February, 1980.
34. Edelman, R. "Progress in rapid viral diagnosis." 30 minute lecture, *ibid*, February, 1980.
35. Edelman, R. "Prospects on antiviral chemotherapy." 30 minute lecture, *ibid*, February, 1980.
36. Edelman, R. "Obesity: Does it modulate infectious disease and immunity?" Symposium on Effect of Diet on Immunosuppression and Disease, Western Hemisphere Nutrition Congress VI, California, August, 1980.

37. Edelman, R. "Immunization against diarrheal disease caused by bacteria." 25 minute lecture. Advances in the Practice and Teaching of Disease Prevention, Fourth Annual Spring Conference and Workshops. Association of Teachers of Preventive Medicine, Masur Auditorium, NIH, Maryland, April, 1982.
38. Edelman, R. "Prevention of acute diarrhea in children." 30 minute paper. Nestle International Nutrition Workshop: Acute Diarrhea: Its Nutritional Consequences in Children, Washington, D.C., May, 1982.
39. Edelman, R. "The immunology and etiology of AIDS." 45 minute lecture. PAHO Regional Meeting on the Acquired Immunodeficiency Syndrome, Washington, D.C., August 1983.
40. Edelman, R. "Summary of epidemiological research on AIDS supported by the NIH." 20 minute lecture. NIH Research Workshop on the Epidemiology of AIDS, Maryland, September, 1983.
41. Edelman, R. "The prevention and treatment of infectious diarrhea: Speculations on the next ten years." 20 minute lecture. SK&F/FSK 1984 Conference on Infectious Disease: Emerging Perspectives in Management and Prevention, Florida, September 1984.
42. Edelman, R. "Priorities for new vaccines." 45 minute lecture Physician Program, Health Care Expo' 85. Washington, August, 1985.
43. Edelman, R. "The AIDS epidemic in North America: Implications for South American." 1 hour lecture. Hospital Roberto Del Rio, University of Chile, Santiago, Chile, November, 1985.
44. Edelman, R. "Update on research at the NIAID: AIDS and New Vaccines." 1 hour lecture followed by panel discussions. South Florida Hospital Consortium for Infection Control Seminar, the Good Samaritan Hospital., West Palm Beach, Florida. February 7, 1986.
45. Edelman, R. "Update on research on enteric diseases." 1 hour faculty lecture. Hebrew University-Hadassah Medical School, Ein Karem Campus, Jerusalem, Israel, April, 1986.
46. Godsey, M.S., Jr., Amundson, T.E., Burgess, E.C., Schell, W.L., Davis, J.P., Kaslow, R., Edelman, R. "Lyme disease in Wisconsin: Distribution and host preference of Ixodes dammini ticks, and prevalence of antibodies to Borrelia burgdorferi in small mammals." 35th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Colorado, December, 1986.
47. Edelman, R. "Early Fort Detrick experience with TC-83 vaccine." 30 minute lecture. Conference on VEE Vaccines for man. USAMRIID, Maryland, December, 1986.
48. Edelman, R. "Lyme Disease." 1 hour faculty lecture. School of Medicine, Ben Gurion University of the Negev, Israel, March, 1987.
49. Edelman, R. "Development and deployment of rotavirus vaccines. Poster presentation." Fifth Conference on Modern Approaches to New Vaccines Including Prevention of AIDS, Cold Spring Harbor Laboratory, New York, September, 1987.
50. Edelman, R., Kapikian, A.Z. "Immunity to Rotavirus." 20 minute talk. Oral Immunization Symposium. The Tutwiler Hotel, Birmingham, Alabama, March 21, 1988.
51. Edelman, R. "Clinical Aspects of Vaccine Adjuvants, Forum Chairman." NATO Advanced Studies Institution of Immunological Adjuvants and Vaccines. Cape Sounion Beach, Greece, June-July, 1988.
52. Edelman, R. "An Update on Vaccines and Vaccinations." 1 hour lecture. Annual Invited Family Practice Lecture Series. Frederick Memorial Hospital, Frederick, Maryland, January 13, 1989.
53. Edelman, R. "Session Chairman's Overview". 10 Minutes. Session On Infant Nutrition and Immunity, Safety and Future Research. New York Academy of Sciences Conference on Micronutrients and Immune Functions. May 31 - June 2, 1989. The Sheraton Centre Hotel, New York, N.Y.
54. Edelman, R. "Vaccine Update". Two Hour Seminar. Department of Epidemiology, Ministry of Health, State of Israel. Jerusalem, Israel, March 11, 1990.
55. Edelman, R. "ETEC CFA/I vaccine fed to rabbits in biodegradable microspheres." One hour talk. Microsphere/adjuvant workshop, Naval Medical Research Institute, Bethesda, MD, October 30, 1990.
56. Edelman, R., Herrington, D.A., Losonsky, G.A., et. al. "Safety and immunogenicity of a recombinant Plasmodium falciparum sporozoite vaccine in volunteers". Poster session. 39th Annual Meeting of the American Society of Tropical Medicine and Hygiene. New Orleans Marriott Hotel, LA. November 6, 1990
57. Edelman, R. "Lyme Disease. The New Impersonator". 45 minute lecture. CME Conference on Infectious Diseases in everyday practice. Sponsored by the Division of Infectious Diseases, Dept of Medicine, University of Maryland Medical School, Baltimore Convention Center, Inner Harbor, Baltimore, Maryland, April 23, 1991.
58. Edelman, R. "Update on Vaccine Adjuvants used in Man". 20 minute lecture. U.S. Public Health Service AIDS Vaccine Research & Development Subgroup meeting. NIH, Bethesda, Maryland, April 17, 1991.
59. Edelman, R., Russell, R., Tall, B., Losonsky, G.A., Tacket, C., Levine, M.M., Lewis, D. "Immunization of rabbits with enterotoxigenic *E. coli* Colonization Factor Antigen (CFA/I) encapsulated in biodegradable microspheres of poly (lactide-co-glycolide)." Poster session. Conference on New Developments in Immunization Strategies. U.S. Army Medical Research Institute of Infectious Diseases. Ft. Detrick, Frederick, MD. September 5 and 6, 1991.

60. Edelman, R. "Recent human trials." 30 minute lecture. Annual Meeting, Malaria Vaccine Development Program. U.S. Agency for International Development. Omni Shoreham Hotel, Washington, D.C. October 8, 1991.
61. Edelman, R. "Adjuvants in clinical trials." 30 minute lecture. Presented at Session VII, Critical Issues on Adjuvants for HIV Vaccines. International Conference on Advances in AIDS Vaccine Development. NIAID, Marco Island Marriott, Florida. October 15-19, 1991.
62. Reid, R., Edelman, R., Tacket, C.O., Losonsky, G.A., Russell, R., Bhagat, H., Levine, M.M., Lewis, D., Boedeker, E. "Safety and immunogenicity of enterotoxigenic *E. coli* colonization factor antigens encapsulated in biodegradable polymer microspheres." 15 minute paper. Conference on "Vaccines for enteric diseases." University of Cambridge, United Kingdom. April 14, 1992.
63. Tacket, C.O., Hone, D.M., Losonsky, G.A., Guers, L., Edelman, R., Levine, M.M. "Clinical acceptability and immunogenicity of CVD 908 *Salmonella typhi* vaccine carrier strain." 25 minute paper. Conference on "Vaccines for enteric diseases." University of Cambridge, United Kingdom. April 13, 1992.
64. Boedeker, E., Reid, R., McQueen, C., Tseng, Y.L., Bhagat, H., Nellore, R., Tacket, C.O., Edelman, R. Immunogenicity of enterotoxigenic *E. coli* (ETEC) Colonization Factor Antigens (CFA/II) encapsulated in biodegradable polymer microspheres. American Society for Microbiology General Meeting, New Orleans, Louisiana. May 1992.
65. Edelman, R. "Lyme Disease Vaccines." Science Writers, Briefing V International Conference on Lyme Borreliosis, Hyatt Regency Hotel, Arlington, VA. June 1, 1992.
66. Church, P., Bryan, J.P., Edelman, R., Davis, J.R., Schmuklarsky, M.J., Herrington, D.A., Ballou, W.R., Gordon, D.G., and Hoffman, S.L. "Clinical and Laboratory Evaluation of Experimentally Induced Falciparum Malaria." 41st Annual Meeting of the American Society of Tropical Medicine & Hygiene. Sheraton Hotel, Seattle, Washington. November, 1992.
67. Edelman, R., Tacket, C.O., Vaughn, D.W., Eckels, K.H., Dubois, D.R., Summers, P.L., Rice, R.M., and Hoke, C.H. "Phase I Trial of Dengue-1 Live-Attenuated Vaccines (Strain 45AZ5)." 15 minute paper. 41st Annual Meeting of the American Society of Tropical Medicine & Hygiene. Sheraton Hotel, Seattle, Washington. November, 1992.
68. Harpaz, R., Davis, J., Levine, M.M., Edelman, R., and Sztein, M.B. "Stimulation of Peripheral Blood Mononuclear Cells by Soluble *Plasmodium Falciparum* Antigens and Its Potential Role in Experimental Human Malaria." Poster. 41st Annual Meeting of the American Society of Tropical Medicine & Hygiene. Sheraton Hotel, Seattle, Washington. November, 1992.
69. Moreno, A., Clavijo, P., Edelman, R., Davis, J., Sztein, M., Herrington, D.A., Nardin, E., Nussenzweig, R.S. "Cytotoxic CD4+ T cells from a sporozoite-immunized volunteer recognizes the *Plasmodium falciparum* CS protein." 41th Annual Meeting of the American Society of Tropical Medicine and Hygiene. December 1-5, 1991, pg. 220.
70. Vaughn, D.W., Eckels, K.H., Dubois, D.R., Edelman, R., Tacket, C.O., Summers, P.L., Rice, R., Kreiselbird, E., and Hoke, C.H. "Derivation of an attenuated Dengue 1 Vaccine Candidate." XIII International Congress for Tropical Medicine and Malaria, Jomtien, Pattaya, Thailand. November, 1992.
71. Edelman, R. "Hepatitis C and Its Significance." 1 hour lecture. CME conference on Infectious Diseases in Everyday Practice. Sponsored by the Division of Infectious Diseases, Department of Medicine, University of Maryland Medical School, Baltimore Convention Center, Inner Harbor, Baltimore, Maryland. April 20, 1993.
72. Edelman, R. "Clinical trials of an oral attenuated cholera vaccine: CVD 103-HgR." Second Annual Meeting NIAID International Centers for Tropical Disease Research, NIH, Bethesda, Maryland. April 29, 1993.
73. Tacket, C.O., Losonsky, G.A., Bhagat, H., Edelman, R., Reid, R., Boedeker, E.C., Levine, M.M. "Phase 1 study of an ETEC vaccine consisting of CFA/II in biodegradable polymer microsphere." 93rd General Meeting, American Society for Microbiology, Atlanta, Georgia, May 16-20, 1993.
74. Edelman, R. "Adult Immunizations." 1 hour lecture. CME Course, North Atlantic Region Spring Conference, Planned Parenthood, Harrisburg Hilton Hotel, Harrisburg, PA, May 23, 1993.
75. Edelman, R. "An Overview of Vaccine Adjuvants." 30 minute talk. Vaccine Advisory Board Meeting, Shering-Plough Research Institute, Plaza Hotel, New York City. July 15-17, 1993.
76. Edelman, R., Reed, G. "The design of Lyme disease vaccine field trials for protective efficacy." 15 minute talk. NIAID Scientific Workshop on Lyme Disease Vaccine Development. NIH, Bethesda, MD, July 1, 1993.
77. Edelman, R. "Summary of a NIAID workshop on Lyme Disease Vaccines." 20 minute talk. Microbiology and Infectious Diseases Subcommittee, National Advisory Allergy and Infectious Diseases Council, NIAID, NIH, Bethesda, MD. September 24, 1993.
78. Edelman, R., Taylor, D., McClain, J., et al. Absence of Antigenic interference in adult volunteers immunized with a 24-valent *Klebsiella* capsular polysaccharide vaccine and an 8-valent *Pseudomonas* O-polysaccharide vaccine. Poster Presentation. 33rd ICAAC, New Orleans, LA. October 18, 1993.
79. Darwish, M., and R. Edelman. Schistosomiasis is a risk factor associated with a high seroprevalence of hepatitis C virus infection in Egyptian blood donors. Poster. Joint Annual Meeting of the American Society of Tropical Medicine

- and Hygiene and the American Society for Parasitologists. Hyatt Regency Hotel, Atlanta, Georgia. November 4, 1993.
80. Edelman, R. "Lyme Disease". 1 hour invited Faculty Lecture. Soroka Medical Center, Ben Gurion University School of Medicine, Beersheva, Israel, December 14, 1993.
 81. Edelman, R. "Issues surrounding Lyme disease vaccine development." 20 minute plenary session lecture. Sixth International Conference on Lyme Borreliosis. Bologna, Italy, June 20, 1994.
 82. Tacket, C.O., Losonsky, G., Nataro, J.P., Edelman, R., Curtiss, R. III, Kelly, S., Schödel, F. "Phase I study of attenuated *Salmonella typhi* expressing hepatitis B antigen." 34th ICAAC, Orlando, Florida, October 7, 1994.
 83. Tacket, C.O., Edelman, R., Losonsky, G., Nataro, J.P., Wasserman, S.S., Cryz, S.J., Levine, M.M. "Extension of the volunteer challenge model to study South American Cholera in a population of volunteers with predominately blood group O." 43rd Annual Meeting of the American Society of Tropical Medicine and Hygiene. Hyatt Regency Hotel, Cincinnati, Ohio, November 16, 1994.
 84. Edelman, R. "Cholera and Vaccination." 1 hour invited lecture. Shifa Hospital, Gaza City, Gaza Strip. December 28, 1994.
 85. Edelman, R. "Cholera outbreaks and cholera vaccination." 1 hour Faculty lecture. Ben Gurion University of the Negev and Soroka Medical Center, Beersheva, Israel, December 29, 1994.
 86. Sarov, B., Karakis, Bar-Shany, S., Gilon, E., Sikuler, E., Orgel, M., Yaari, A., Edelman, R., Naggan, L. "Natural history of chronic HBsAg carriers: a historical prospective study of blood donors" 20 minute paper. Fourth International Conference on Current Trends on Chronically Evolving Viral Hepatitis." Perugia, Italy, March 31, 1995.
 87. Sarov, B., Alkrinawi, S., Katz, M., Glezerman, M., Orgel, M., Tann, M., Cyrk, C.R., Mushahwar, K., Margalith, M., Edelman, R., Naggan, L. "High prevalence rate of anti-HEV detected in the native Bedouin population in Southern Israel." Presented at the joint meeting of Progress in Clinical Virology, Stockholm, Sweden, August 1994.
 88. Sarov, B., Alkrinawi, S., Katz, M., Glezerman, M., Orgel, M., Tann, M., Kyrk, C.R., Mushahwar, K., Edelman, R., Naggan, L. "High prevalence of water-borne viral hepatitis type E infectious detected among the Arab Bedouins in the Negev (Southern Israel)." First Israeli-Arab Scientific Meeting held in Paris, France, April 3-7, 1995.
 89. Tann, M., Sarov, B., Glezerman, M., Katz, M., Butzen, C., Mushahwar, I., Shemer, Y., Edelman, R., Naggan, L. "Prevalence of various viral hepatitis markers of infection in women at delivery in the Negev." Israel Epidemiology Association Meeting, Jerusalem, April 5, 1994.
 90. Edelman, R. "Dengue Virus and Dengue Vaccines." 1 hour faculty lecture. Ben Gurion University of the Negev and Soroka Medical Center, Beersheva, Israel, June 19, 1995.
 91. Edelman, R. "Phase I/II domestic trials of malaria vaccine." 45 minute lecture. Presented at the conference, "Planning and Implementing Clinical Trials of Vaccines for Parasitic Disease of Humans." Lipsett Auditorium, Clinical Center, NIAID, NIH, Bethesda, MD, September 19, 1995.
 92. Edelman, R. "Position paper on revising DMID, NIAID policy for filing INDs for clinical research involving challenge products." 20 minute talk. Solar Bldg, NIH, Rockville, MD, October 24, 1995.
 93. Edelman, R. "Adult vaccinations." 1 hour faculty lecture. Ben-Gurion University of the Negev Faculty of Health Sciences, Beersheva, Israel, December 19, 1995.
 94. Edelman, R., Faris, R., Clemens, J., Rao, M., Darwish, M. "High seroprevalence of hepatitis A, B, C and E viruses in residents of an Egyptian village in the Nile Delta." Poster. Keystone Symposium on Molecular and Cell Biology, "Hepatitis C and Beyond," Sheraton Hotel and Conference Center, Burlington, Vermont, January 23-28, 1996.
 95. Sarov, B., Karakis, I., Orgel, M., Bar-Shany, S., Sikuler, E., Gilon, E., Edelman, R., Naggan, L. "Low prevalence of HCV in HBsAg positive blood donors retested 20 years later." European Association for the Study of Liver Disease, 31st Annual Meeting, Jerusalem, August 25-29, 1996.
 96. Sarov, B., Karakis, I., Orgel, M., Bar-Shany, S., Gilon, E., Sikuler, E., Yari, A., Edelman, R., Naggan, L. "Low transmission of HBV infection among family members of blood donors detected as chronic HBsAg carriers in Israel." Poster presentation, IX Triennial International Symposium on Viral Hepatitis and Liver Disease, Rome, Italy, April 21-25, 1996.
 97. Karakis, I., Sarov, B., Bar-Shany, S., Gilon, E., Sikuler, E., Orgel, M., Yaari, A., Edelman, R., Naggan, L. "Natural history of chronic HBsAg carriers: a historical prospective study of blood donors." Poster presentation, 7th International Congress for Infectious Diseases, Hong Kong, June 9-13, 1996.
 98. Edelman, R. "Phase II trial of a purified type F botulinum toxoid in healthy adult volunteers". 30 minute oral presentation. 1996 meeting of the Interagency Botulism Research Coordinating Committee. Frederick, Maryland. November 6-8, 1996.
 99. Edelman, R. Mini-course in Tropical Medicine. Faculty of Health Science, Ben Gurion University of the Negev, and Soroka Medical Center, Beer-sheva, Israel. Six, one-hour lectures as follows: (1) Travelers' Health and Travelers' Diarrhea, 11/26/96; (2) Tropical Dermatology, 12/2/96; (3) Malaria, 12/3/96; (4) Lyme Disease and Ehrlichiosis, 12/9/96; (5) Cholera, 12/17/96; (6) Dengue Fever and Japanese Encephalitis, 12/31/96.

100. Edelman, R. "Diagnosis and Surveillance for Lyme Borreliosis and Ehrlichiosis in the U.S. and Israel" 15 minute invited lecture. Conference on the Surveillance of Emerging and Re-emerging Infectious Diseases in Israel. Israel Center for Disease Control. Kfar Hamaccabia Resort, Ramat Gan, Israel; December 23, 1996.
101. Edelman, R. "Medical research cooperative projects among Israeli and Arabic countries of the Middle East". 30 minute talk. The Washington Institute for Israel Health Policy Research. Beth El Synagogue, Bethesda, MD. January 28, 1997.
102. Edelman, R. "Cholera and the New Cholera Vaccine". One hour talk. Occupational Safety and Health Physicians Group Meeting, sponsored by the American College of Occupational and Environmental Medicine and Organization Resources Counselors, Park Hyatt Hotel, Washington, DC, February 4, 1997.
103. Edelman, R. "Testimony of the American Society of Tropical Medicine and Hygiene". 5 minute presentation to the Subcommittee on National Security, Committee on Appropriations, United States House of Representatives, U.S. Congress. Washington, DC, April 17, 1997.
104. Edelman, R., Tacket, C.O., Russ, K., Secrest, H., Becker, J., Bodison, S., Perry, J., Sills, A., Stover, C.K., Burlein, J., Bansal, G., Connor, E., Koenig, S. "Safety and Immunogenicity in Adult Volunteers of Recombinant Bacille Calmette-Guerin(rBCG) Expressing *Borrelia burgdorferi* Outer Surface Protein A (OspA) Lipoprotein: A Candidate Lyme Disease Vaccine." Poster presentation. Second National Symposium on Basic Aspects of Vaccines, Uniformed Services University of the Health Sciences (USUHS), Bethesda, MD, April 30th - May 2nd, 1997.
105. Edelman, R. "Travel Medicine". Invited 30 minute CME talk. Scientific Program, Washington University Medical Center Alumni Association Reunion >97. Eric P. Newman Education Center, Washington University Medical Center. St. Louis, MO. May 8, 1997.
106. Edelman R, Wasserman S, DeTolla L, O'Donnoghue M. "An update on the phase II trial of a purified type F botulinum toxoid in healthy adult volunteers." 30 minute oral presentation. 1997 Meeting of the Interagency Botulism Research Coordinating Committee. The Bethesda Ramada, Bethesda, MD; 12-14 November 1997.
107. Edelman R, Tacket CO, Wasserman SS, Kanesa-Thanan N, Putnak R, King A, Sun W, Tang D, Van Albert SA, Hoke CH, Eckels KH, Vaughn DW, Klein M, Turell M, Sardelis M, Innis BL. "Expanded phase I trial of four monovalent dengue virus vaccine candidates." 15 minute presentation. International Conference on Emerging Infectious Diseases. Atlanta Marriott Marquis, Atlanta, GA. March 9, 1998.
108. Edelman R. "An overview of vaccine adjuvants." 30 minute talk. Third National Symposium, Basic Aspects of Vaccines, Sheraton Washington Hotel, Washington, D.C., April 29-May 1, 1998.
109. Nardin, E and Edelman, R. "Preliminary findings in a phase I trial of a synthetic malaria vaccine: HLA restrictions of immunologic responses to defined epitopes". 1 hour seminar, Extramural Program, DMID, DAIDS, DAIT, NIAID, NIH, Solar Bldg., Rockville MD, May 7, 1998.
110. Edelman, R. "Clinical response and DTH skin tests in malaria MAP vaccinees". 30 minute report. Meeting of the Scientific Consultants Group, USAID Malaria Vaccine Development Program, Rosslyn, VA. July 9, 1998.
111. Nardin EH, de Oliveira GA, Calvo-Calle JM, Castro ZR, Nussenszweig RS, Schmeckpeper B, Hall BF, Edelman R. "Phase I trials of a *P. falciparum* MAP vaccine in volunteers of defined HLA type". The Gordon Conference on Malaria, Oxford, England. July 28, 1998.
112. Edelman R, Wasserman S, DeTolla L, O'Donnoghue M. "An update on the phase II trial of a purified type F botulinum toxoid in healthy adult volunteers." 30 minute oral presentation. 1998 Meeting of the Interagency Botulism Research Coordinating Committee. The Holiday Inn, Port Washington, PA; 2 November 1998.
113. Edelman, R. "An overview of vaccine adjuvants". 30 minute oral presentation, plenary session, International Meeting on Vaccines, Le Meridien Hotel, International Meeting on Vaccines, Salvadore, Bahia, Brazil, November 30, 1998.
114. Edelman, R., Tacket, C., Wasserman, S., Kanesa-thasan, N., Putnak, R., King, A., Sun, W., Tang, D., Van Albert, S., Hoke, C., Eckels, K., Vaughn, D., Klein, T., Turell, M., Sardelis, M., Innis, B. "Phase 1 trials of four monovalent attenuated dengue vaccine candidates". 30 minute oral presentation, plenary session, International Meeting on Vaccines, Le Meridien Hotel, Salvadore, Bahia, Brazil, December 1, 1998.
115. Edelman, R. "Adverse event evaluation and vaccine development strategies". 20 minute oral presentation, NIAID-VTEU Investigator's Meeting. Pooks Hill Marriott, Bethesda, MD; 21 January 1999.
116. Edelman, R. "Testimony of the American Society of Tropical Medicine and Hygiene". 5 minute presentation to the Committee on Appropriations, Subcommittee on Defense, United States House of Representatives, U.S. Congress. Washington, DC, March 25, 1999.
117. Sun WS, Edelman R, Eckels K, Putnak R, King A, Kanesa-thasan N, Innis B. "A study of live-attenuated tetravalent dengue vaccine by factorial design." 10 minute oral presentation. The Second Annual Conference on Vaccine Research. Hyatt Regency Bethesda, Bethesda, MD. March 28-30, 1999.

118. Kanesa-thasan N, Sun W, Ludwig G, Rossi C, Putnak JR, Mangiafico JA, Edelman R, Innis B. "Atypical immune responses among dengue vaccine recipients attributable to occult yellow fever exposure." Poster session, The Second Annual Conference on Vaccine Research. Hyatt Regency Bethesda, Bethesda, MD. March 28-30, 1999.
119. Edelman R., "Criteria of the ideal anti-secretory drug for treatment of infectious diarrhea". 15 minute oral presentation. Expert group on Diarrhoeal Diseases Management", SmithKline Beecham International, Oakley Court Hotel, Windsor, Berkshire, U.K. April 22, 1999.
120. Edelman R. "Clinical evaluation of Pre-erythrocytic vaccines". 20 minute talk. US-Italy Workshop on Collaborative Research in Malaria. NIAID, NIH, Solar Bldg, room 1A1, Rockville, MD., April 29, 1999.
121. Edelman R. "Future Clinical Trial of SPf66/QS-21 Malaria Vaccine". 15 minute talk. Steering Committee on Vaccine Discovery Research, Malaria Program, Programme for Research and Training in Tropical Diseases, World Health Organization, Geneva, Switzerland. 15 June 1999.
122. Edelman R. "Hepatitis C Studies in Egypt." 1 hour seminar, Current topics in Child Health and Human Development, Division of Epidemiology, Statistics and Prevention Research, NICHD, NIH, 6100 Executive Blvd. Rockville, MD. 22 Oct 1999.
123. Edelman R. "A Typhoid Fever Vaccines." 45 minute talk, Am Soc Trop Med Hyg, CME Course on Travel-related Vaccine Preventable Diseases. Washington Hilton and Towers, Washington, D.C., Nov 28, 1999.
124. Edelman R. "A Phase I trial of a Plasmodium falciparum MAP vaccine in adult volunteers: Immediate-type hypersensitivity reactions to the MAP vaccine". 15 minute talk. Session on Malaria Vaccines, 48th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Washington Hilton Towers, Nov 30, 1999.
125. Edelman R. "Phase II safety and immunogenicity study of live Chikungunya virus vaccine TSI-GSD-218". 15 minute talk. Session on Virus Vaccines, 48th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Washington Hilton Towers, Nov 30, 1999.
126. Edelman, R. "Systematic evaluation of type 1 hypersensitivity in malaria vaccine volunteers". 30 minute oral presentation, NIAID-VTEU Investigator's Meeting. Pooks Hill Marriott, Bethesda, MD; December 7, 1999.
127. Edelman, R. "Update on the activities of the Maryland Immunosenescence\immunosuppression Research Group". 30 minute oral presentation, NIAID-VTEU Investigator's Meeting. Pooks Hill Marriott, Bethesda, MD; December 8, 1999.
128. Edelman R. "A Phase I Trial of a Synthetic, Multi-antigen Peptide (MAP) Malaria Vaccine in Healthy Adult Volunteers : (1) Genetic Restriction of the Serological and Cellular Responses; (2) Cutaneous Delayed- and Immediate-type Hypersensitivity Reactions. International Workshop, A Novel Approaches For Immunization Against Infectious Agents." 45 minute oral talk, sponsored by The Israel Science Foundation. The Belgium House, Hebrew University, Givat Ram Campus, Jerusalem, September 17-19, 2000.
129. Szebeni J, Savay S, Baranyi, Alving CR, Edelman R. "Mechanism of hypersensitivity reactions to malaria vaccine CVD 15000: The possible role of complement activation by multiantigenic peptide (MAP)." 45 minute oral talk, sponsored by The Israel Science Foundation. The Belgium House, Hebrew University, Givat Ram Campus, Jerusalem, September 17-19, 2000.
130. Edelman, R. "Testimony of the American Society of Tropical Medicine and Hygiene in Support of the Department of Defense Infectious Diseases Research Program". 5 minute presentation to the Committee on Appropriations, Subcommittee on Defense, United States House of Representatives, U.S. Congress. Washington, DC, March 25, 2001.
131. Edelman, R. "A Testimony of the American Society of Tropical Medicine and Hygiene in Support of USAID's Child Survival Programs." 5 minute presentation to the Committee on Appropriations, Subcommittee on Foreign Operations, United States House of Representatives, U.S. Congress. Washington, DC, March 25, 2001.
132. Edelman R. "Bioterrorism in the United States and current smallpox vaccine trials." 45 minute talk. First International Meeting on Hospital Preparedness for Emergency Scenarios. Sponsored by the Israeli Defense Force Home Front Command, Tel Hoshomer Hospital, Tel Aviv, Israel. December 7, 2001.
133. Edelman R. "A Synthetic, Circumsporozoite (CS) Multi-antigen Peptide (MAP) Vaccine Against *Plasmodium falciparum* Elicits High Levels of Sporozoite Antibodies, and Cutaneous Delayed-type (DTH) and Immediate-type Hypersensitivity (ITH) to MAP in Adult Volunteers of Defined HLA Genotypes." 25 minute talk, Nov. 21, 2002, The Third MIM Pan-African Malaria Conference, Arusha, Tanzania, November 17-22, 2002.
134. Edelman R and C. Plowe. "Ethics in Clinical Trials: Perspectives of U.S. IRB Chairman and U.S. Investigator in Africa." 30 minute talk and panel discussion, Nov. 22, 2002. The Third MIM Pan-African Malaria Conference, Arusha, Tanzania, November 17-22, 2002.
135. Edelman R. "An Update on The Development of a Live-Attenuated Tetravalent Dengue Virus Vaccine". 60 minute talk. Dept of Epidemiology & Preventive Medicine, Sackler School of Medicine. Tel Aviv University, Tel Aviv, Israel. Monday, January 5, 2004.

136. Edelman R. "Interactions among viral serotypes in volunteers immunized with the WRAIR-Attenuated, PDK-passaged tetravalent dengue vaccine." Capital Area Dengue Research Group. 60 min talk. Walter Reed Army Institute of Research. Silver Spring, MD. Wednesday, 24 Feb 2005.
137. Edelman R. "Avian Influenza." 75 minute seminar, Infectious Diseases Rounds, Department of Clinical Microbiology and Infectious Diseases, Hadassah Ein Karem Medical Center, Hebrew University, Jerusalem Israel. Monday, January 2, 2006.
138. Edelman R. "Epidemiology of Avian Influenza." 45 minute seminar, Department of Epidemiology, School of Health Sciences, Ben Gurion University, Beer Sheva, Israel. Thursday, January 5, 2006.
139. Edelman R. "Overview: Immunosenescence among healthy elderly adults vaccinated with Recombivax-HB vaccine." 30 minute talk, "Symposium on Mechanisms of Human Immunosenescence: Immune Responses of Healthy Elderly Adults Vaccinated with Recombinant-HB, a Licensed Recombinant Hepatitis B Surface Antigen Vaccine." Sponsored by the Intramural Research Program, National Institute on Aging. Harbor Hospital Center, Baum Auditorium, Baltimore, MD, 9 am – 12 noon, January 26, 2006.
140. Edelman R. "Revision of the 2002, WHO, TDR, IVI Guidelines for the Evaluation of Dengue Vaccines in Populations Exposed to Natural Infection," one hour talk and discussion, Meeting of the WHO Steering Committee on Dengue and Other Flavivirus Vaccines, World Health Organization, Geneva, Switzerland. May 16-17, 2006.
141. Watta CO, GA Oliveira, M Calvo-Calle, G Boehmer, PG Kremsner, GB Thornton, R Edelman, A Gregson, EH Nardin. "Human malaria-specific INF- γ T cell responses induced by virus like particles, comprised of hepatitis B virus core antigen and P. falciparum circumsporozoite protein T and B cell epitopes (ICC-1132), adjuvanted with alum as compared to ISA 720." 15 minute oral presentation, 55th Annual Meeting of the Am Soc Trop Med Hyg, Atlanta Marriott Marquis Hotel, Atlanta Georgia, 16 Nov 2006.
142. Edelman R. "Update on Dengue and Dengue Vaccines." 75 minute seminar, Infectious Diseases Rounds, Department of Clinical Microbiology and Infectious Diseases, Hadassah Ein Karem Medical Center, Hebrew University, Jerusalem Israel. Wednesday, January 3, 2007.
143. R. Edelman, "Summary status of the revision of "WHO Guidelines for Clinical Evaluation of Dengue Vaccines in Endemic Areas." 30 minute oral presentation and discussion. Meeting of the WHO Steering Committee on Dengue and Other Flavivirus Vaccines, World Health Organization, April 24, 2007. Hotel Rex, Ho Chi Minh City, Viet Nam.
144. R. Edelman, M. Heuser, L. Crisley, R. Barnes, S. Wasserman, J. Cerny, B. Handwerger, M. Pasetti, K. Siddiqui, Y. Elbert, W. Blackwelder, M. Szein. "Immunosenescence Among Healthy Elderly Adults Vaccinated With Recombivax-HB[®] Hepatitis B Vaccine." 10 minute oral presentation, April 30, 2007. 10th Annual Conference on Vaccine Research sponsored by the National Foundation for Infectious Diseases, Baltimore Marriott Waterfront Hotel, Baltimore, MD.
145. Edelman R. "Revision of the WHO Guidelines for the Evaluation of Dengue Vaccines in Endemic areas," one hour talk and discussion, Meeting of the WHO Expert Committee on Biological Standardization, World Health Organization, Geneva, Switzerland. 9 October 2007.
146. R. Edelman. "Ethical Issues Surrounding Vaccine Trials in Humans." 2 hour lecture and discussion. Pfizer 2007 Vaccinology Seminar Series. Fetzer Center, Western Michigan University, Kalamazoo, Michigan, 29 October 2007.
147. R. Edelman. "The prospects for treatment of influenza and dengue illness with human immune globulin." 2 hour seminar and discussion. OMRIX Biopharmaceuticals LTD, Weizmann Science Park, Nes-Ziona, Israel. 12 Feb 2008.
148. R. Edelman and Susan Buskirk. "The roles of the American and local IRBs in approval and oversight of international clinical research." 4 hour seminar and discussion, University of Florida Institutional Review Board, Gainesville FL 15 April 2008.
149. R. Edelman. "Dengue and Dengue Vaccines." 1 hour seminar. Emerging Pathogens Institute, University of Florida Gainesville, Florida. 15 April 2008.
150. R. Edelman. "WHO guidelines for the clinical evaluation of vaccines." 30 minute lecture. WHO Dengue Vaccine Scientific Forum, Hotel Sagres, Belem, Brazil. 23-24 April 2008.
151. R. Edelman. "Introduction to Symposium #97, Status of Phase 1 and Phase 2 Clinical Trials of Dengue Vaccines," 10 minute lecture, 57th Annual meeting, American Society for Tropical Medicine and Hygiene, Sheraton New Orleans, Gallery Room, 3:45pm - 5:30pm, December 9, 2008.
152. G. Poland, R. Edelman, M. Santosham: "Expanding protection against pneumococcal disease: Implications of the updated ACIP Guideline." 25-minute Panel discussion, Medscape Spotlight CME video program. Marriott Inner Harbor Hotel, Baltimore MD, 27 April 2009.
153. R Edelman. "Disease and Epidemiology of Dengue." 15 minute lecture. Meeting of the Working Group on Technical Specifications for Manufacturing and Evaluating Dengue Vaccines. World Health Organization, Geneva Switzerland. 11 May 2009.

154. R Edelman. "Introductory Presentation of the IVR Dengue Vaccine Guidelines for Clinical Evaluation of Dengue Vaccines in Endemic Areas." 15 minute lecture. Meeting of the Working Group on Technical Specifications for Manufacturing and Evaluating Dengue Vaccines. World Health Organization, Geneva, Switzerland. 12 May 2009.
155. R. Edelman and M. Laurens. "Malaria vaccine safety signals from non-RTS,S malaria vaccine trials." 15 minute lecture and discussion (via telecom). WHO Global Advisory Committee on Vaccine Safety. Geneva, Switzerland. June 17, 2009
156. R. Edelman. "Travel Medicine, a tutorial." Invited seminar, Second Annual Symposium, Canadian Center for Vaccinology, Dalhousie University, IWK Health Centre, Halifax NS Canada. 21 April 2010
157. R. Edelman. "Experimental Challenge of Healthy Volunteers with Virulent *Plasmodium falciparum*: Safety and Efficacy Trials of an Attenuated Malaria Vaccine." Invited Lecture, Second Annual Symposium, Canadian Center for Vaccinology, Dalhousie University, IWK Health Centre, Halifax NS Canada. 22 April 2010
158. R. Edelman. "Ethical Issues Related to Clinical Trials." A 1.5 hour national webcast presentation. UMB Summer Intensive Course on Bioethics, Research Ethics, and Health Disparities. HSF1, Room 516, UMB, 19 July 2010
159. R. Edelman. "Is it ethical to vaccinate healthy volunteers with a live attenuated PfSPZ vaccine administered by the intravenous route? Remarks by an IRB Chairman" 10 minute talk, Data analysis meeting, Sanaria-Malaria Vaccine Initiative, Bethesda Doubletree Hotel and Conference Center. Bethesda, MD, July 28, 2010.
160. R. Edelman. "What have we learned from advanced dengue vaccine candidates?" 15 minute talk. Meeting on the Next Generation Dengue Vaccines and Diagnostics, held in conjunction with the WHO Advisory Committee on Dengue and other Flavivirus Vaccines", Sheraton Hotel. Atlanta, Georgia, 2 November 2010.
161. R. Edelman. "Mathematical Modeling of Dengue Epidemiology and Impact of Dengue Vaccination: Report of a WHO workshop on Dengue Modeling, held at WHO Geneva, August 25-26, 2010." 15 minute talk. WHO Advisory Committee on Dengue and other Flavivirus Vaccines, Sheraton Hotel. Atlanta, Georgia, 3 November 2010.
162. R Edelman. "Current WHO guidelines on safety assessment." 30 minute talk. Technical Consultation on long term safety assessment of live attenuated dengue vaccines. Advisory Committee on Dengue and other Flavivirus Vaccines, Initiative for Vaccine Research, WHO, Geneva. International Conference Centre Geneva, Switzerland. 25 October 2011.
163. R. Edelman. "IRB oversight of vaccine trials." 1.5 hour seminar and talk. Division of Vaccines and Related Product Applications, Office of Vaccines Research and Review, Center for Biologics Evaluation and Research, FDA, 1451 Rockville Pike, Rm 2330, MD 20852, 11 September 2012.
164. Henry Silverman, R Edelman, Myaing Nyunt. "Ethics research committee (IRB) function and practice," Research Ethics Workshop, Defense Services Medical Research Centre, and Department of Medical Research, Ministry of Health, Republic of the Union of Myanmar, Amora Hotel, Nay Pyi Taw, Myanmar, January 26-27, 2014.
165. Henry Silverman, Myaing Nyunt, R Edelman, "Workshop: Faculty Development on Bioethics and Professionalism," University of Medicine I and II, Medical Science Centre, Pyae Campus, Pyae road, Yangon, Myanmar, January 28, 29, 30, 2014.
166. R Edelman, "WHO Guidelines for the clinical evaluation of dengue vaccines in endemic areas." 20 minute invited introductory talk. And Discussion leader, Session III: "Vaccine post-marketing surveillance – what should it look like?" NIAID/FDA Workshop on Regulatory Issues Related to Dengue Vaccines. Fisher's Lane Conference Center, Terrace Level, Meeting Rooms 508/509/510, Rockville MD 20825. Friday, April 4, 2014.
167. R Edelman. "Outcomes Endpoint for Dengue Vaccine Trials." 30 minute invited lecture, presented at the workshop, "Principles for the Evaluation of Effectiveness of Dengue Vaccines." Sponsored by the CDC, Pan American Health Organization, and the Sabin Vaccine Institute. Pan American Health Organization Bldg, Washington D.C., room 1017, June 13, 2014.
168. R Edelman & Stephen Thomas. 50 minute invited talk and discussion, "Defining dengue severity markers: Acute febrile illness (AFI)". Workshop on Dengue Clinical Case Classification for Clinical Research, sponsored by the NIH, WHO, and the Partnership for Dengue Control. Fishers Lane Conference Center, room 1D13, 5601 Fishers Lane, Rockville, MD 20852, April 27-28, 2015.
169. S. Thomas & R. Edelman, 15 minute invited talk and discussion, "The Role of the Dengue Severity Index," presented at the "Workshop on Clinical Trial Endpoints to Measure the Efficacy of Dengue Interventions on Disease Severity", sponsored by the NIH, WHO, and the Partnership for Dengue Control. Hampton Inn in Philadelphia (Liberty Room), 1301 Race Street, Philadelphia, PA 19107, Thursday, October 29, 2015

LOCAL PRESENTATIONS and UNDERGRADUATE AND POST- GRADUATE TEACHING ACTIVITIES

1. Edelman, R. "Studies of human leukocyte types in a model virus infection." Seminar, University of Pittsburg, School of Medicine, Pennsylvania, March 1967.

2. Edelman, R., Wheelock E.F. "Enhancement of vesicular stomatitis virus replication in human leukocyte cultures." Annual Meeting, Commission on Viral Infections, Armed Forces Epidemiological Board, Washington, D.C. October 1967.
3. Edelman, R. "Studies of Japanese encephalitis virus in Thailand." Seminar, University of Hawaii, School of Medicine, Hawaii, December 1971.
4. Edelman, R. "Japanese encephalitis in Thailand." Seminar, U.S. Army Hospital, Bangkok, July 1971.
5. Edelman, R. "Studies of immune function in Thai children with protein-calorie malnutrition." Lecture to the faculty, School of Public Health, Mahidol University, July 1972.
6. Edelman, R. "Protein-calorie malnutrition and immune function." Seminar, U.S. Army Hospital, Bangkok, August 1972.
7. Edelman, R. "Studies of immune function in malnourished children." Lecture, U.S. Army Medical Research Institute of Infectious Disease, Maryland, September 1972.
8. Edelman, R. "Studies of Japanese encephalitis in Chiangmai Valley, Thailand." Seminar, Faculty of Science, Mahidol University, April 1973.
9. Edelman, R. "Japanese encephalitis." Lecture, Walter Reed Army Institute of Research, Washington, September 1973.
10. Edelman, R. "Immune function in children with protein-calorie malnutrition." Seminar, Department of Pathobiology, Johns Hopkins School of Hygiene and Public Health, Baltimore, September 1974.
11. Edelman, R. "Infection and Immunity in Malnutrition." Lecture sponsored by the Department of Microbiology, Jefferson Medical College. Philadelphia, PA, May 1975.
12. Edelman, R. "The E-Rosette lymphocyte test." Seminar, Walter Reed Army Institute of Research, Washington, D.C., October 1975.
13. Edelman, R. Evaluation of attenuated Venezuelan equine encephalomyelitis vaccines in man. USAMRIID Professional Staff Conference, October 1975.
14. Edelman, R. The active E-Rosette test as a measure of cell-mediated immunity. USAMRIID Planning Session, November 1975.
15. Edelman, R. Attenuated VEE vaccine: Review of its effectiveness and long-term consequences. Meeting of the U.S. Army Medical Research and Development Advisory Panel. January 1976.
16. Edelman, R. Tropical malnutrition. Two, one-hour lectures. Tropical Medicine Course, Walter Reed Army Institute of Research, August 1976.
17. Edelman, R. "Development and use of Venezuelan equine encephalitis virus vaccine." Seminar, Global Epidemiology Working Group, 31st Monthly Meeting, Forrestal Building, Washington, D.C., August 1976.
18. Edelman, R. "The immunology of human malnutrition." Seminar, Laboratory of Clinical Investigation Grand Rounds, NIAID, NIH. September 1976.
19. Edelman, R. "Sequential immunizations of "at-risk" personnel with split and whole virus A/Swine influenza vaccine." 1976 USAMRIID Planning Session, November 1976.
20. Edelman, R. Annual Guest Lecturer, Mid-Maryland Lung Association. Since 1977 to present.
21. Edelman, R. "Immunology of human malnutrition." Seminar, Johns Hopkins University Immunology Council. Johns Hopkins University, Homewood Campus, April 1977.
22. Edelman, R. "Nutrition, infection and immunity." Lecture to sophomore class, Medical School, Uniformed Services University of the Health Sciences, Bethesda, Md., May 1978.
23. Edelman, R. "Nutrition, infection and immunity." Lecture to Infectious Disease Division, Walter Reed General Hospital, October 1978.
24. Edelman, R. "Nutrition, infection and immunity in children." Lecture, The Department of Pediatrics, Walter Reed General Hospital, December 1978.
25. Edelman, R. "Nutrition, infection and immunity." One hour lecture. Tropical Medicine Course, Walter Reed Army Institute of Research, August 1979.
26. Edelman, R. "An account of project site visit to Harvard and Cornell ICIDRs in Salvador, Brazil." 30 minutes lecture. Advisory Council, NIAID, NIH, Bethesda, MD., September 1983.
27. Edelman, R. "Lyme disease." 30 minutes lecture. Advisory Council, NIAID, NIH, Bethesda, Md., May 1983.
28. Edelman, R. "Pathogenesis of Diarrhea", "Viral Diarrhea", "Bacterial Diarrheas." Three, one-hour lectures, Geographic and Tropical Medicine Course, George Washington University School of Medicine, Washington, D.C., January 20 & 21, 1987.
29. Edelman, R. "Pathogenesis of Diarrhea," "Viral Diarrhea". Two, one-hour lectures, Geographic and Tropical Medicine Course, George Washington University School of Medicine, Washington, D.C., January 13, 1988.
30. Edelman, R. Co-moderator of session on "Prevention and Vaccines". Scientific Workshop on Lyme Disease. Sponsored by NIAID and NIAMS, Hyatt Regency Hotel, Bethesda, MD. 13-15 December, 1988

31. Edelman, R. "Critique of Pepto-Bismol as Therapy for Diarrhea". Scientific Advisory Group, Procter & Gamble Co., Henley Park Hotel, Washington, D.C. December 19, 1988
32. Edelman, R. "Vaccines-Issues and Updates." 1 hour lecture. Infectious Disease Core Conference Series, University of Maryland Medical School, Baltimore, MD. February 3, 1989
33. Edelman, R. "The Use and Non-Use of Licensed Vaccines in the United States." 1 hour lecture. Center for Vaccine Development, University of Maryland Medical School, February 10, 1989.
34. Edelman, R. "Lyme Disease, a Growing Public Health Problem". 1 hour seminar. Dept. of Microbiology & Immunology, University of Maryland Medical School, February 23, 1989.
35. Edelman, R. "Lyme Disease" 1 hour lecture. Center for Vaccine Development, University of Maryland Medical School, February 24, 1989.
36. Edelman, R. "Update on Lyme Disease" 1 hour lecture. Infectious Diseases Core Conference Series. University of Maryland Medical School, March 17, 1989.
37. Edelman, R. "Update on Campylobacter pylori". 1 hour lecture. Center for Vaccine Development, University of Maryland Medical School, September 15, 1989.
38. Edelman, R. "Vaccine Updates". 1 hour lecture, Medical Grand Rounds, Franklin Square Hospital, Balto., Md., October 19, 1989.
39. Edelman, R. "Plans for Vaccine Studies at the Center for Vaccine Development, 1990-1991". 15 minute talk. NIAID, DMID, Vaccine and Treatment Evaluation Unit Contractor's Meeting, Trans Potomac Plaza Conference Center, Alexandria, VA. Nov. 3, 1989.
40. Edelman, R. "Giardiasis". 20 minute lecture. Medical Grand Rounds, University of Maryland Hospital. November 22, 1989.
41. Edelman, R. "Lyme disease." One hour lecture. Infectious Diseases Core Conference Series. University of Maryland Medical School. September 28, 1990.
42. Edelman, R. "Update on International Vaccine Development Programs." One hour lecture. Center for Vaccine Development, University of Maryland Medical School, November 2, 1990.
43. Edelman, R. "Vaccine Principles". 1 hour lecture. Infectious Diseases Board Review Course. Univ. of Maryland Medical School, March 1, 1991.
44. Edelman, R., "Lyme Disease". 45 minute lecture. Communicable Disease Update, Sponsored by the Center for Clinical Epidemiology, Department of Health and Mental Hygiene, State of Maryland. Anne Arundel County Board of Education Building, Annapolis, Maryland. June 6, 1991.
45. Edelman, R., "Hepatitis C". 20 Minute Lecture. Medical Grand Rounds. University of Maryland Hospital. May 15, 1991.
46. Edelman, R. "Genetic Analysis of Hepatitis C Virus Infection". 1 hour Lecture. Center for Vaccine Development, University of Maryland Medical School, May 31, 1991.
47. Edelman, R. "Lyme Disease." three, 1 hour lectures. Dept. of Clinical Pathology, University of Maryland Hospital. June 10 and 13, 1991.
48. Edelman, R. "Viral hepatitis B and C." 1 hour lecture. Junior class, University of Maryland Dental School. September 12, 1991.
49. Edelman, R. "Hepatitis C and E." 1 hour lecture. Infectious Diseases Core Conference Series. University of Maryland School of Medicine. September 20, 1991.
50. Edelman, R. "Highlights of the Fourth International Conference on Advances in AIDS Vaccine Development, Marco Island, Florida, October 15-19, 1991." 1 hour lecture. Center for Vaccine Development, University of Maryland, School of Medicine. November 1, 1991.
51. Edelman, R. "Clinical Research at the Center for Vaccine Development." One hour lecture. Medical Grand Rounds, University of Maryland Hospital. November 27, 1991.
52. Edelman, R. "Malaria." One hour lecture. Medical Grand Rounds. Baltimore Veterans Administration Hospital. December 10, 1991.
53. Edelman, R. Discussion of Cholera. International Television Series, "Beyond 2000". February, 1992.
54. Edelman, R. "Malaria." One hour lecture. Pediatric Grand Rounds. University of Maryland Hospital. February 6, 1992.
55. Edelman, R. "Malaria: Hematological Manifestations." One hour lecture. Hematology Oncology Weekly Seminar, University of Maryland Hospital. February 10, 1992.
56. Edelman, R. "Malaria vaccines." One hour lecture. Hematology-Oncology Weekly Seminar, University of Maryland Hospital. April 27, 1992.
57. Edelman, R. "Malaria." One hour lecture. University of Maryland Health Center. College Park, Maryland. April 30, 1992.
58. Edelman, R. "Dengue Fever and Japanese Encephalitis." One hour lecture. University of Maryland Health Center. College Park, May 14, 1992.

59. Edelman, R. "Hepatitis update - C, D, & E. Topics in International Travel & Tropical Medicine." A course in conjunction with the Johns Hopkins Travel Clinic and the Corporate Council on International Health. 30 minutes lecture. Johns Hopkins University School of Hygiene and Public Health. Baltimore, MD October 1, 1992.
60. Edelman, R. "Viral Hepatitis A, B, C, D, and E." 2 hour lecture. Junior Class, University of Maryland Dental School, October 22, 1992.
61. Edelman, R. "Epidemiology and Transmission of Bloodborne Pathogens." 40 minute lecture. Bloodborne Pathogen Standard Training Course. University of Maryland at Baltimore, MSTF Auditorium, Baltimore, MD 12/1/92, 12/2/92, 2/9/93, 2/16/93, 4/17/93, 6/1/93, 8/9/93.
62. Edelman, R. "Epidemiology and Transmission of Bloodborne Pathogens." 1 hour lecture. Univax Biologics, Inc. Rockville, MD December 16, 1992.
63. Edelman, R. "Adult Vaccination, Current and Future Perspectives." 45 minute lecture. Medical Grand Rounds, Greater Baltimore Medical Center, Baltimore, MD. March 4, 1993.
64. Edelman, R. "Staphylococcus aureus." 1 hour lecture. UniVax Biologics, Inc, Rockville, MD. March 11, 1993.
65. Edelman, R. "Dengue Virus Vaccine Development." 1 hour research Seminar. Center for Vaccine Development. University of Maryland, Baltimore. March 17, 1993.
66. Edelman, R. "Uses and Limitations of Adult Vaccination in the U.S." Univax Biologics, Inc., Rockville, Maryland. April 22, 1993.
67. Edelman, R. "Cryptosporidiosis." 1 hour lecture. Univax Biologics, Inc., Rockville, Maryland. May 13, 1993.
68. Edelman, R. Conference Report: "Vaccines: New Technologies and Applications." 1 hour lecture. Center for Vaccine Development, University of Maryland, School of Medicine. May 7, 1993.
69. Edelman, R. "Epidemiology and Transmission of Bloodborne Pathogens." 1 hour lecture. Department of Orthopedic Surgery Grand Rounds, University of Maryland Hospital, September 24, 1993.
70. Edelman, R., Tacket, C., Noriega, F. "Leishmanias, field, clinic, laboratory experience." 1 hour lecture. Center for Vaccine Development, University of Maryland, School of Medicine, November 19, 1993.
71. Edelman, R. "Hepatitis C." 1 hour lecture. University of Maryland Student Health Center. CME lecture series, College Park, November 23, 1993.
72. Edelman, R. "Hepatitis C Virus Infection in Egypt." 1 hour lecture. Epidemiology and Virology Units. Ben Gurion University of the Negev School of Medicine, Beersheva, Israel, December 16, 1993.
73. Edelman, R. "Dengue and dengue virus vaccine development." 1 hour lecture. Division of Infectious Diseases Research Seminar. University of Maryland School of Medicine, Baltimore, MD, January 13, 1994.
74. Edelman, R. Hepatitis C in Egypt. 1 hour lecture. Center for Vaccine Development, University of Maryland, School of Medicine, March 11, 1994.
75. Edelman, R., and Davis, J. "Malaria: Public health impact and clinical evaluation" and "Experimental malaria in man." 30 minute lectures. Department of Medicine Grand Rounds, University of Maryland Hospital, April 20, 1994.
76. Edelman, R. "Control of Blood Borne Pathogens and Tuberculosis." 1 hour lecture. Department of Orthopedic Surgery Grand Rounds, University of Maryland Hospital, September 23, 1994.
77. Edelman, R. "Lyme Disease." 1 hour lecture. Visiting Professor Lecture. Eastern Shore Hospital Center. Cambridge, MD, October 12, 1994.
78. Edelman, R. 1 hour case presentation. "Opportunistic Infection in AIDS patients." Sophomore Medical Student class in Microbiology. October 25, 1994.
79. Edelman, R. "Lyme Disease." Division of Infectious Diseases Core Conference Series. University of Maryland School of Medicine. University of Maryland Hospital. November 11, 1994.
80. Edelman, R. "A live-attenuated dengue 1 vaccine candidate (45A25) passaged in primary dog kidney cell culture is attenuated and immunogenic for humans". Poster Session. Department of Medicine Research Retreat. University of Maryland School of Medicine. Marriott Inner Harbor, Baltimore. November 7, 1994.
81. Edelman, R. "Management Problems in the Departing Travelers". Division of Infectious Diseases Weekly Rounds. 1 hour lecture on November 29, 1994 & December 13, 1994. University of Maryland Hospital.
82. Edelman, R. "Summary of the 43rd Annual Meeting of the American Society of Tropical Medicine & Hygiene; Malaria, dengue and hepatitis." CVD / Infectious Diseases Bagel Club Seminar. University of Maryland School of Medicine. December 9, 1994.
83. Edelman, R. "Risk of overseas travel while pregnant." 5 minute Radio Talk Show, "Health Watch," radio 1090AM, January 9, 1995.
84. Edelman, R. "Hepatitis C in Egypt." 1 hour Seminar, Hepatitis C Study Group, UMAB, January 13, 1995.
85. Edelman, R. "Dengue & dengue vaccines." 2 hour Seminar UniVax Biologics, Inc. Rockville, MD, February 16, 1995.
86. Edelman, R. "Schistosoma hematobium in an African bay with hematuria." 20 minute Case Presentation, Tropical Medicine Dinner Club of Baltimore. Johns Hopkins Club, Homewood Campus, Baltimore, March 22, 1995.

87. Edelman, R. "Adult Immunizations." Division of Infectious Diseases Core Conference Series. University of Maryland School of Medicine, University of Maryland Hospital. April 7, 1995.
88. Edelman, R. "Vaccine Development" and "Cholera." Two, one-hour lectures. Tropical Medicine and International Health Course for 3rd & 4th year medical students from Johns Hopkins and the University of Maryland. Center for Vaccine Development, University of Maryland School of Medicine. May 2, 1995.
89. Edelman, R. "Adult Immunization." 1 hour Medical Grand Rounds. Harbor Hospital Center. Baltimore, MD, August 18, 1995.
90. Edelman, R. "Hepatitis A." 1 hour seminar. Center for Vaccine Development. University of Maryland Medical School. September 1, 1995.
91. Edelman, R. "Vaccine studies at the UMCP Student Health Service: rBCG-Lyme (OspA) and Botulinum F toxoid." 1 hour lecturer. University of Maryland Student Health Center. CME Lecture Series, College Park, MD, October 3, 1995.
92. Edelman, R. "Tropical Dermatology." 1 hour Residents' Rounds, Department of Dermatology, University of Maryland Medical School, Frenbil Bldg., 16 S. Eutaw St., Baltimore, MD, November 8, 1995.
93. Edelman, R. "Hepatitis C." 1 hour lecture. Department of Pediatric Grand Rounds, University of Maryland Hospital, November 30, 1995.
94. Edelman, R. "Travel Medicine." 1 hour CME lecture, Doctors Community Hospital, Lanham, Maryland, January 4, 1996.
95. Edelman, R. "High seroprevalence of hepatitis A, B, C and E viruses in residents of an Egyptian Village in the Nile Delta." Department of Medicine Research Retreat, Marriott Inner Harbor Hotel, Baltimore, January 29, 1996.
96. Edelman, R. "Hepatitis A." 30 minute lecture. Medical Grand Rounds, University of Maryland Hospital, February 14, 1996.
97. Edelman, R. "Vaccine Development." Immunology Course, School of Pharmacy, UMAB, April 30, 1996.
98. Edelman, R. "Lyme Disease." One hour lecture. Division of Infectious Diseases Core Course. University of Maryland Hospital, Baltimore, May 31, 1996.
99. Edelman, R. "Travel Vaccines." One hour lecture. Department of Family Medicine Grand Rounds. 29 South Paca Street, Baltimore, June 5, 1996.
100. Edelman, R. "Traveler's Medicine." One hour lecture. Division of Infectious Diseases Core Course. University of Maryland Hospital, Baltimore, June 25, 1996.
101. Edelman, R. Discussion leader, year 2 medical student small group sessions in Microbiology and Immunology, 9/11/96 - endocarditis, 9/20/96 - meningitis, 10/17/96 - cryptosporidiosis and cyclospora. Two hours per session.
102. Edelman, R. "Vaccine development and the use of vaccines in the community@." Integrated Science and Therapeutics Course, 3rd year students, School of Pharmacy, University of Maryland at Baltimore. Two, one-hour lectures. October 21, 1996.
103. Edelman, R. "Travelers' Medicine". Emergency Medicine Grand Rounds, University of Maryland Medical Center, Shock Trauma Auditorium. January 29, 1997.
104. Edelman, R. "Update on CVD Vaccine Trials at College Park". One hour CME talk, University Health Service, University of Maryland, College Park. April 15, 1997.
105. Edelman, R. "Studies of Hepatitis Virus in Egypt, Israel, and Gaza: Politics and Science." 12 hour talk. The Tropical Medicine Dinner Club of Baltimore. The Johns Hopkins Club, Baltimore, MD, April 16, 1997.
106. Edelman, R. Discussion leader, year 2 medical student small group sessions in Microbiology and Immunology, 9/8/97 - Spread of Antibiotic Resistance, 9/12/97 - Infection of Foreign Bodies. Two hours per session.
107. Edelman, R. "Hepatitis A-G". 1 hour CME lecture, Doctors Community Hospital, Lanham, Maryland, September 8, 1997.
108. Edelman, R. "Biological Warfare and the Botulinum F Toxoid Vaccine Trials at the CVD". 1 hour seminar. Center for Vaccine Development, University of Maryland Medical School. October 8, 1997.
109. Edelman, R. "Vaccine Development and Utilization". Integrated Science and Therapeutics Course, 3rd year students, School of Pharmacy, University of Maryland at Baltimore. Two, one-hour lectures. October 27, 1997.
110. Edelman, R. "Traveler's Medicine." One hour lecture. Division of Infectious Diseases Core Course. University of Maryland Hospital, Baltimore, October 31, 1997.
111. Edelman, R. "Traveler's Diarrhea". One hour lecture. Division of Gastroenterology, Department of Medicine, Weekly Rounds. University of Maryland Hospital, Baltimore, November 12, 1997.
112. Edelman, R. "A Lyme Disease@." One hour lecture. Division of Infectious Diseases, Infectious Diseases Boards Review Course. University of Maryland Hospital, Baltimore, December 5, 1997.
113. Edelman, R. "Evaluation of the International Traveler". One hour lecture. Ambulatory Care Seminar, Department of Medicine, University of Maryland Hospital, Baltimore, January 5, 1998.

114. Edelman, R. 20 minute case presentation, "A woman with malaria who developed myoclonic fits after treatment with mefloquine." Division of Infectious Diseases weekly teaching conference, University of Maryland Hospital, March 2, 1998.
115. Edelman, R. "Recognition and management of travelers infections". 45 minute lecture. 50th Anniversary Annual Meeting and Scientific Sessions, Maryland Academy of Family Physicians, Roland E. Powell Convention Center, Ocean City, MD, June 12, 1998.
116. Edelman R. "Travel Medicine". 60 minute lecture. Department of Family Medicine Resident Core Lecture Series., University of Maryland School of Medicine, Marlboro Bldg, September 2, 1998.
117. Edelman R. "An Overview of Vaccine Adjuvants." 60 minute lecture. Introduction to Vaccinology, Epidemiology 598; 2 credits. U. of MD Sch. of Med., HSF, Seminar Room 418, September 23, 1998.
118. Edelman R. "Vaccine Development and Vaccine Utilization". Integrated Science and Therapeutics Course, 3rd year students, School of Pharmacy, University of Maryland at Baltimore. Two, 45 minute lectures. October 19, 1998.
119. Edelman, R. Discussion leader, year 2 medical student small group sessions in Microbiology and Immunology, 10/9/98 - meningitis, 10/26/98 - Viral hepatitis. Two hours per session.
120. Edelman, R. Speaker, "Some Bioethical problems Experienced while Conducting Clinical Research in Developing Countries", Law and Biomedical Sciences Seminar: Medical Research. University of Maryland School of Law, Baltimore, 29 October 1998.
121. Edelman R. "Hepatitis Vaccines." 60 minute lecture. Introduction to Vaccinology, Epidemiology 598; 2 credits. U. of MD Sch. of Medicine, HSF, Seminar Room 418, November 4, 1998.
122. Edelman R. "An Update on hepatitis virus vaccines." 60 minute lecture. Division of Gastroenterology Seminar Series, Dept. Of Medicine, University of Maryland School of Medicine, Borges Conference Room, December 9, 1998.
123. Edelman R. "Travel Medicine." 1 hour talk. Ambulatory Care Conference, Depts. of Medicine and Family Medicine, University of Maryland School of Medicine, Borges Conference Room, February 22, 1999.
124. Edelman, R. Discussion leader, 2nd year medical student small group sessions in Microbiology and Immunology, 10/15/99 - respiratory infections, 10/21/99 - Viral hepatitis, 10/25/99 - encephalitis. Two hours per session.
125. Edelman R. "Clinical Trials with BCG live vector expressing OspA". 10 minute talk. CVD Vaccinology Seminar, HSF I bldg, room 418, U. of Maryland School of Medicine, Nov 9, 1999.
126. Edelman R. "Phase I Trials of a Plasmodium falciparum multi-antigen peptide vaccine". 10 minute talk. CVD Vaccinology Seminar, HSF I bldg, room 418, U. of Maryland School of Medicine, Nov 9, 1999.
127. Edelman, R. "Update on CVD Vaccine Trials at College Park, part 1". One hour CME talk, University Health Service, University of Maryland, College Park. November 16, 1999.
128. Edelman R. "Hepatitis A-E". Post-graduate course on "Clinical Aspects of Tropical Diseases", Johns Hopkins School of Hygiene and Public Health, Baltimore, MD. December 14, 1999.
129. Edelman, R. "Update on CVD Vaccine Trials at College Park, Part 2". 90 minute CME talk, Stamp Student Union Building, University of Maryland, College Park. January 6, 2000.
130. Edelman, R. "Travel Medicine." 1 hour CME lecture, Frederick County Medical Society, Dutch's Daughter Restaurant, Frederick , Maryland. January 18, 2000.
131. Edelman R. "Cutaneous manifestations of tropical diseases." 45 minute talk, Morning Report, Department of Medicine Housestaff, University of Maryland Hospital. February 3, 2000.
132. Edelman, R. "Chaga's disease". 30 minute talk, Division of Infectious Diseases Conference, Department of Medicine, University of Maryland Hospital, February 7, 2000.
133. Edelman, R. "Phase I studies of a *Plasmodium falciparum* sporozoite multi-antigen synthetic peptide vaccine in adult volunteers". 1 hour talk, Center for Vaccine Development Research Seminar, Health Sciences Facility Bldg., U of Maryland School of Medicine. February 10, 2000.
134. Edelman R. "A primer on Travel Medicine." 45 minute talk, Department of Medicine Weekly Grand Rounds, Shock Trauma Auditorium, University of Maryland Hospital, Baltimore, March 22, 2000.
135. Edelman R. "Instructive cases in returning Travelers." 45 minute talk. Weekly Ambulatory Medicine Conference, Dept of Medicine, Borges Conference Room, University of Maryland Hospital, Baltimore, April 10, 2000.
136. Edelman R. "Ethical Principles for the protection of human subjects." 15 minute talk. New IRB member orientation, Dean's office, Bressler 14033, U of Maryland School of Medicine, June 20, 2000.
137. Edelman R. "Research Opportunities involving the Maryland Immunosenescence/Immunosuppression Research Group". 60 minute talk. Division of Infectious Diseases weekly Conference. Woodward Conference Room, University of Maryland Hospital, Baltimore, August 8, 2000.
138. Edelman, R. Discussion leader, year 2 medical student small group sessions in Microbiology and Immunology, 9/22/00 - soft tissue infections, 10/4/00 - meningitis. Two hours per session.

139. Edelman R. "Agents of Syphilis and Lyme disease." 50 minute lecture. Year two, U. of MD Medical School course on Host Defenses and Infectious Diseases, Dept of Microbiology and Immunology. Oct 3, 2000.
140. Edelman R. "Hepatitis A, B, C, E." 90 minute lecture. Post-graduate course on Clinical Aspects of Tropical Diseases. Johns Hopkins School of Hygiene and Public Health, Baltimore, MD. November 9, 2000.
141. Edelman R. "Travel Medicine and Prevention of Travelers' Diarrhea". 45 minute CME lecture, Laurel Regional Hospital, Laurel, Maryland, January 4, 2001.
142. Edelman R. "Travel Medicine". 45 minute CME lecture, UniversityCARE, Edmondson Village Health Center, Baltimore, MD. January 24, 2001.
143. Edelman R. Case Discussion, "37 year old man with abrupt fever, encephalitis, rash, death". 10 minute talk. The Tropical Medicine Dinner Club of Baltimore. The Johns Hopkins Club, Baltimore, MD, January 24, 2001.
144. Edelman R. "Hepatitis Vaccines/Adjuvants." 60 minute lecture. Introduction to Vaccinology, Epidemiology 598; 2 credits. Univ. of MD Sch. of Medicine, HSF, Seminar Room 418, April 4, 2001
145. Edelman R. "Arbovirus and Filovirus Vaccines." 60 minute lecture. Introduction to Vaccinology, Epidemiology 598; 2 credits. Univ. of MD Sch. of Medicine, HSF, Seminar Room 418, April 11, 2001.
146. Edelman R. "Travel Medicine." 60 minute lecture. Infectious Disease Specialty Board Core Conference Series, Woodward Conference Room, University of Maryland Hospital, Baltimore, April 13, 2001.
147. Edelman R, and G. Losonsky. "Ethical considerations; regulatory issues." 60 minute lecture. Introduction to Vaccinology, Epidemiology 598; 2 credits. Univ. of MD Sch. of Medicine, HSF, Seminar Room 418, May 2, 2001
148. "Ethical and regulatory issues surrounding clinical research" 2 hour lecture and in-house tutorial, Research nurses and fellows, Center for Vaccine Development, Univ. of MD Sch. of Medicine, HSF, Seminar Room 418, June 5, 2001.
149. Edelman R. "The Future of Vaccines" 50 minute lecture, 3rd year pharmacy students, University of Maryland School of Pharmacy, Baltimore. September 11, 2001
150. Edelman R. "Smallpox and anthrax vaccine trials at the CVD, and Bioterrorism." 15 minute talk and discussion, Meeting of the Department Chiefs, University of Maryland Medical Center, October 23, 2001
151. Edelman, R. Discussion leader, year 2 medical student small group sessions in Microbiology and Immunology, October 26, 2001 - encephalitis. Two hour session.
152. Edelman, R. "Anthrax." 60 minute CME talk, University Health Service, University of Maryland, College Park. October 30, 2001.
153. Edelman R. "Bioterrorism and smallpox and anthrax vaccine trials at the CVD". 20 minute talk and discussion, University of Maryland Medical Center, General Medical Staff Meeting, Shock Trauma Center Auditorium, October 30, 2001.
154. Edelman R. "Botulinum F toxoid vaccine trials." 10 minute talk. Vaccinology seminar, CVD, November 1, 2001.
155. Edelman R. "Hepatitis A, B, C, D, E." 90 minute lecture. Post-graduate course on Clinical Aspects of Tropical Diseases. Johns Hopkins School of Hygiene and Public Health, Baltimore, MD. November 6, 2001.
156. Edelman R. "Bioterrorism" Medical Grand Rounds, Department of Medicine at Mercy Medical Center, Baltimore MD. November 7, 2001.
157. Edelman R. "Bioterrorism, What every clinician needs to know" One hour lecture. Sponsored by the Maimonides Society of Baltimore and the University of Maryland School of Medicine, CME postgraduate lecture, Beth El Synagogue, Baltimore, MD. November 8, 2001.
158. Edelman R. "Bioterrorism Update" 20 minute lecture. University of Maryland School of Medicine, Board of Visitors Meeting, Baltimore, MD. November 29, 2001.
159. Edelman, R. "Smallpox" 60 minute CME talk, University Health Service, University of Maryland, College Park. December 18, 2001.
160. Facilitator, Problem Based Learning session on "substance abuse" in medical students, 2 hours, U of MD Medical students - year 2, January 7 and 14, 2002.
161. Edelman, R. "Bioterrorism/Anthrax." 60 minute talk, Grand Rounds, Kent & Queen Anne's Hospital, Chestertown, MD. January 23, 2002.
162. Edelman, R. "Biological and Chemical Terrorism." Four, 90 minute talks, United States Department of State Primary Care Continuing education Medical Conference, University of Maryland School of Nursing, Conference Room 140, Baltimore MD. March 4, 13, 18, & 25, 2002.
163. Edelman R. "Chemical Warfare and Chemical Terrorism." 45 minute talk. Medical Grand Rounds, Department of Medicine, University of Maryland School of Medicine, Baltimore MD. March 20, 2002.
164. Edelman R. "Chemical Terrorism, Managing the Threat." 15 minute talk. Baltimore-Washington Business Partnership Monthly meeting, Comfort Inn, 6921 Baltimore Annapolis Blvd, Baltimore MD. April 24, 2002.

165. Edelman, R. "Bioterrorism." 30 minute talk. Update in Internal Medicine, sponsored by the Department of Internal Medicine, School of Medicine, University of Maryland, Hyatt Inner Harbor Hotel, Baltimore MD. June 4, 2002.
166. Edelman, R. "Adult Vaccines." 60 minute talk. Division of Infectious Diseases, Fellows' Didactic Conferences. University of Maryland Hospital. June 21, 2002.
167. Edelman R. "The Future of Vaccines" 50 minute lecture, 3rd year pharmacy students, University of Maryland School of Pharmacy, Baltimore. September 17, 2002.
168. Edelman R. "Responsibilities of Clinical Investigators at the University of Maryland." 15 minute talk. Department of Medicine Faculty meeting. Baltimore VAH auditorium, October 7, 2002.
169. Edelman, R. Discussion leader, UM SOM medical student II Small Group Sessions in Microbiology and Immunology, October 23, 2002 - Hepatitis; October 25, 2002 - encephalitis. Two, two hour session.
170. Edelman, R. "Travel Medicine", 60 minute talk. Division of Infectious Diseases, Fellows' Didactic Conferences. University of Maryland Hospital. October 25, 2002.
171. Edelman R. "Issues facing institutional review boards for ethical conduct of clinical trials." 10 minute talk. CVD Vaccinology mini-seminar, 2002 Frontiers in Vaccinology, November 7, 2002
172. Edelman, R. "Malaria Multi-antigen peptide vaccine trial." 60 minute talk. Division of Infectious Diseases, Weekly Conference, University of Maryland Hospital, December 8, 2002.
173. Edelman, R. "Malaria." 60 minute CME talk, University Health Service, University of Maryland, College Park. December 17, 2002.
174. Edelman, R. "Travel Medicine." 1 hour CME lecture, Doctors' Community Hospital, Lanham, Maryland, January 2, 2003.
175. Edelman, R. "Bioterrorism." 30 minute CME lecture, Annual Scientific Meeting of the Maryland Chapter, American College of Physicians-American Society of Internal Medicine, Turf Valley Resort and Conference Center, Ellicott City, Maryland, February 7, 2003.
176. Edelman, R. "Bioterrorism." 45 minute lecture, Medical Grand Rounds, St. Agnes Hospital, Baltimore Md., March 6, 2003.
177. Edelman R. "Hepatitis Vaccines/Adjuvants." 60 minute lecture. Introduction to Vaccinology, Epidemiology 598; 2 credits. Univ. of MD Sch. of Medicine, HSF, Seminar Room 418, April 7, 2003.
178. Edelman R. "Arbovirus and Filovirus Vaccines." 60 minute lecture. Introduction to Vaccinology, Epidemiology 598; 2 credits. Univ. of MD Sch. of Medicine, HSF, Seminar Room 418, April 14, 2003.
179. Edelman R. "Clinical Research: Ethics and Regulatory Considerations." 60 minute lecture. Introduction to Vaccinology, Epidemiology 598; 2 credits. Univ. of MD Sch. of Medicine, HSF, Seminar Room 418, May 5, 2003.
180. Edelman, R. "Bioterrorism." 30 minute talk. Update in Internal Medicine, sponsored by the Department of Internal Medicine, School of Medicine, University of Maryland, Harbor Court Hotel, Baltimore MD. May 6, 2003.
181. Edelman, R. "Travel Medicine", 50 minute talk. Dept of Medicine Ambulatory Conference, Borges Conference Room, University of Maryland Hospital. June 30, 2003.
182. Edelman R. "The Development and Future of Vaccines" 50 minute lecture, 3rd year pharmacy students, University of Maryland School of Pharmacy, Baltimore. September 10, 2003.
183. Edelman R. "Malaria and Malaria Vaccines". 60 minute talk. Infectious Disease Physicians, Inc. Annandale, VA. October 3, 2003.
184. R. Edelman. "Trials of the WRAIR, Attenuated, tetravalent dengue vaccine," 15 minute lecture; and "Pediatric Dengue Vaccine Initiative (PDVI) funded by the Gates Foundation," 15 minute lecture. Workshop on Potential Collaborative Research, Mahidol University Faculty of Tropical Medicine, Bangkok, Thailand and Division of International Health, Dept of Epidemiology and Preventive Medicine, School of Medicine, University of Maryland, Baltimore. October 8, 2003.
185. R. Edelman. "Good clinical practice in research by University of Maryland investigators." 15 minute talk. Day-long seminar on research ethics and good clinical practice for principal investigators and research coordinators. Sponsored by the Center for Clinical Trials and the Office for Research Subjects, University of Maryland School of Medicine, HSF II auditorium, October 10, 2003.
186. R. Edelman. Discussion leader, UM SOM medical student II Small Group Sessions in Microbiology and Immunology, October 21, 2003 - Hepatitis; October 24, 2003 - encephalitis. Two, two-hour sessions.
187. Edelman R. "Clinical Trials with candidate dengue fever vaccines." 10 minute talk. CVD Vaccinology Seminar, 2003 Frontiers in Vaccinology, HSF II auditorium, November 13, 2003
188. Edelman R. "Clinical Development of a live-attenuated, tetravalent dengue vaccine" AND "the Pediatric Dengue Vaccine Initiative." 60 minute talk. CVD Research Seminar, HSF II Room 341, February 25, 2004.
189. Edelman, R. "Chemical warfare and terrorism." 60 minute CME talk, University Health Service, University of Maryland, College Park. March 2, 2004.

190. Edelman R. "Overview of Smallpox and Smallpox Vaccination." 40 minute CME talk, "Biopreparedness for Health Professionals Course", Sponsored by the Middle Atlantic Regional Centers of Excellence, University of Maryland School of Medicine, HSF II Auditorium, April 1, 2004.
191. Edelman, R. "Future vaccines and their impact on Southeast Asia". 45 minute talk, Southeast Asia Business Forum hosted by the UMB, HSF II Conference Room. April 28, 2004.
192. Edelman R. "Tropical Medicine in SE Asia." 60 minute talk. American Student Association for International Health. Univ of MD School of Medicine, May 11, 2004
193. Edelman, R. "Bioterrorism." 30 minute talk. 4th Annual Update in Internal Medicine, sponsored by the Department of Internal Medicine, School of Medicine, University of Maryland, Sheraton Inner Harbor Hotel, Baltimore MD. June 9, 2004.
194. Edelman, R. 10 minute opening remarks, "Conducting Clinical Research : Foundations Of Good Clinical Practice at the University of Maryland Baltimore." Monthly/Quarterly seminar series conducted by the Center for Clinical Trials, the Human Research Protections Office, and the General Clinical Research Center, University of Maryland, Baltimore. 6/28/02, 9/13/02, 3/28/03, 6/6/03, 10/10/03, 2/20/04, 3/18/04, 6/4/04, 6/18/04, 9/24/04, 11/12/04, 2/5/05, 5/13/05, 3/2/06.
195. Edelman, R. "Future of Vaccines" 30 minute talk. Quarterly meeting, Bureau of Child Health and Immunization, Baltimore City Health Dept., 4 South Frederick St., Baltimore, MD, July 22, 2004.
196. Edelman, R. "Travel Medicine", 60 minute talk. Division of Infectious Diseases, Fellows' Didactic Conferences. University of Maryland Hospital. September 10, 2004.
197. Edelman R. "The Future of Vaccines." 50 minute lecture, 3rd year pharmacy students, University of Maryland School of Pharmacy, Baltimore. September 15, 2004.
198. R. Edelman. Discussion leader, UM SOM medical student II Small Group Sessions in Microbiology and Immunology, September 27, 2004 - endocarditis; October 12, 2004 – respiratory infections. Two, two-hour sessions.
199. Edelman, R. "Dengue and Avian flu." 60 minute CME talk, University Health Service, University of Maryland, College Park. October 12, 2004.
200. Edelman, R. "Human and Avian Influenza," and "Chemical terrorism." 90 minute CME talk, University Health Service, University of Maryland, College Park. January 11, 2005
201. Edelman R. "Ethical Considerations; regulatory issues" 60 minute lecture. Introduction to Vaccinology, Epidemiology 598; 2 credits. Univ. of MD Sch. of Medicine, HSF, Seminar Room 319418, April 14, 2005.
202. Edelman R. "Hepatitis Vaccines/Adjuvants." 60 minute lecture. Introduction to Vaccinology, Epidemiology 598; 2 credits. Univ. of MD Sch. of Medicine, HSF, Seminar Room 319, April 13, 2005.
203. Edelman, R. "Bioterrorism." 30 minute talk. 5th Annual Update in Internal Medicine, sponsored by the Department of Internal Medicine, School of Medicine, University of Maryland, Sheraton Inner Harbor Hotel, Baltimore MD. May 25, 2005.
204. Edelman R. "The Future of Vaccines." 50 minute Annual lecture, 3rd year pharmacy students, University of Maryland School of Pharmacy, Baltimore. September 15, 2005.
205. Edelman, R. Discussion leader, UM SOM medical student II Small Group Sessions in Microbiology and Immunology, September 26, 2005 - Endocarditis. One, two hour session.
206. Edelman, R. "Update on the Human Research Protections Program, UMB", 20 minute lecture, Department of Medicine Divisional Leadership monthly meeting. UM Hospital, Sept 22, 2005.
207. Edelman, R. "Opening remarks: Foundations for Conducting Clinical Research at UMB: A Culture Of Conscience, A Culture Of Compliance", 20 minute lecture, Symposium on Conducting Clinical Research: GCP at the University of Maryland Baltimore, HSF II Auditorium. UMB, November 11, 2005.
208. Edelman, R. "Travel Medicine Update- Fever In The Returning Traveler." 60 minute CME talk, University Health Service, University of Maryland, College Park. November 15, 2005
209. Edelman R. "Immunosenescence among healthy adults vaccinated with Recombivax-HB hepatitis B vaccine." 10 minute talk. CVD Vaccinology Seminar, 2005 Frontiers in Vaccinology, HSF II seminar room 341, November 17, 2005
210. Edelman R. "Immunosenescence in Baltimore Seniors Immunized with a licensed Hepatitis B vaccine." 60 minute talk. CVD Seminar, HSF II seminar room 341, February 8, 2006
211. Edelman R. "Vaccinology and the Center for Vaccine Development, University of Maryland School of Medicine." 15 minute talk, 2- hour Seminar, "Vaccines and Therapeutics-Maryland's Promise and Perspective." UMB and the BioAlliance Network of the Technology Council of Maryland, Westminster Hall, UMB Campus, March 3, 2006.
212. Edelman R. "Biological Terrorism. What Healthcare professionals should know." 45 minute talk, invited Guest Speaker, The Annual Medical Laboratory Expo, Maryland Science Center, April 30, 2006

213. Edelman R. "Frontiers of Vaccine Development." 50 minute Annual lecture, 3rd year pharmacy students, University of Maryland School of Pharmacy, Baltimore. September 13, 2006.
214. Edelman, R. Discussion leader, UM SOM medical student II Small Group Sessions in Microbiology and Immunology, September 22, 2006 – Endocarditis; October 23, 2006 -- Hepatitis. Two, two-hour sessions.
215. Edelman R. "Update on Dengue Vaccine Trials," 10 minute talk. CVD Vaccinology Seminar, 2006 Frontiers in Vaccinology, HSF II 1st floor conference room, December 4, 2006
216. Edelman R. "Bird influenza," 40 minute talk. Beth Jacob Brotherhood Breakfast Lecture series, Beth Jacob Congregation, Baltimore Maryland. February 18, 2007.
217. Edelman R. "Ethical Considerations; regulatory issues." 60 minute lecture. Introduction to Vaccinology, Epidemiology 627; 2 credits. Univ. of MD Sch. of Medicine, HSF-II, room 341, March 5, 2007.
218. Edelman, R. "Travel Medicine: Caring for Patients who Travel the World." 45 minute lecture, Department of Medicine Weekly Grand Rounds, Shock Trauma Auditorium, University of Maryland Hospital, March 7, 2007.
219. Edelman R. and W. Chen. "Immunization of Special Populations: the Elderly." 60 minute lecture. Introduction to Vaccinology, Epidemiology 627; 2 credits. Univ. of MD Sch. of Medicine, HSF-II, room 341, May 7, 2007.
220. Edelman R. "Frontiers of Vaccine Development." 50 minute Annual lecture, 3rd year pharmacy students, University of Maryland School of Pharmacy, Baltimore. September 12, 2007.
221. Edelman, R. Discussion leader, UM SOM medical student II Small Group Sessions in Microbiology and Immunology, September 20, 2007 – Endocarditis; October 22, 2007 – Hepatitis; Oct 23, 2007-Encephalitis. Three, two-hour sessions.
222. Edelman R. "The role of the CVD in response to emerging infections and bioterrorism." One hour lecture, Maimonides Leadership Group, Jewish Students Association, Stamp Student Union Building, Univ of MD College Park, October 31, 2007.
223. Edelman, R. "Vaccine Update." 60 minute CME talk, University Health Service, University of Maryland, College Park. December 4, 2007
224. Edelman R. "Ethical issues Surrounding Clinical Research." 90 minute Seminar, UMB Physician-Scientist Seminar Series. UMB, HSF 241, December 5, 2007.
225. Edelman R. "Introduction to ethical research in humans." 30 minute talk to Pre-Grad students, UMB Graduate School in Life Sciences, CIPP Research Ethics Course 907. UMB HSF II Auditorium, January 8, 2008.
226. B. Jarrell, S. Buskirk, R. Edelman. "The UMB human Research Protections program." 30 minute talk. Meeting of the UMB Deans, UMB President Ramsey's Office, Davidge Hall, UMB. May 7, 2009
227. Edelman R. "Ethical Issues Surrounding Clinical Research," 75 minute talk. Dept of Orthopedic Surgery Grand rounds, University of Maryland Hospital, Conference room S11B, June 19, 2008.
228. B. Jarrell, S. Buskirk, R. Edelman. "The UMB human Research Protections program." 10 minute talk. Dean's Executive Committee Monthly Meeting, School of Medicine, UMB, Executive Conference Room, HSF-II building, July 2, 2008
229. Edelman R. "International Medicine," 60 minute talk. Brown Bag Lunch seminar series for medical students, Univ of MD School of Medicine, Sophomore Conference room, Bressler Bldg. September 5, 2008.
230. Edelman R. "Frontiers of Vaccine Development." 50 minute Annual lecture, 3rd year pharmacy students, University of Maryland School of Pharmacy, Baltimore. September 9, 2008.
231. Edelman, R. Discussion leader, UM SOM medical student II Small Group Sessions in Microbiology and Immunology, September 17, 2008 – Skin and soft tissue infection; September 22, 2008 – Endocarditis. Two, two-hour sessions.
232. B. Jarrell, S. Buskirk, R. Edelman. "Department or Entity Scientific and Feasibility Review of Clinical Research Protocols." 30 minute seminar. UMB Dean and Signatory Meeting, HSF-II Conference room, September 23, 2008.
233. Edelman R. "Ethical and Regulatory Issues Surrounding Clinical Research." 60 minute lecture. 2009 Vaccinology Course. Prev 627; 2 credits. Univ. of MD School of Medicine, HSF-II, room 341, Jan 26, 2009.
234. Edelman R. "Update on Adult Vaccination-2009". 60 minute lecture. Medical Grand Rounds, Sinai Hospital, Zamoiski Auditorium, Baltimore MD, 12 February 2009.
235. Edelman R. "Overseas Travel Risks." 45 minute lecture. UMD SOM Medical students' noon lunch lecture series, Freshman lecture hall, February 26, 2009.
236. Edelman R. "The IRB and Clinical Research in the US and overseas." 60 minute talk and discussion. Fogarty International Clinical researchers from Egypt, Jordan, Saudi Arabia, and Libya. UMD SOM, Howard Hall 107, 7 July 2009
237. Edelman R. "Frontiers of Vaccine Development." 50 minute Annual lecture, 3rd year pharmacy students, University of Maryland School of Pharmacy, Baltimore. September 4, 2009.
238. Edelman R. "The IRB and HPRO Activities at UMB." 5 minute talk, New Faculty Orientation Program, Office of Faculty Affairs and Professional Development, Univ of Maryland School of Medicine. MSTF, Oct 8, 2009.

239. Edelman R. "Travel Medicine." 60 minute seminar and discussion. Med Ped Housestaff and Faculty. University of MD Hospital, Gedulsky 5 conference room. Oct 15, 2009.
240. Edelman, R. Discussion leader, UM SOM medical student II Small Group Sessions in Microbiology and Immunology. Parasites, October 16, 2009; Encephalitis, October 30, 2009. Two, two-hour sessions.
241. Edelman R. "2009 Update on Vaccines for Adolescents and Adults." 60 minute talk and discussion. CVD Seminar Series, HSFII room 431, October 19, 2009
242. Edelman R. "Ethics of Research in Humans." 60 minute talk and discussion. UMB Jewish Student Association Seminar Series, Bressler 229, November 10, 2009
243. Edelman R. "Frontiers of Vaccine Development." 50 minute Annual lecture, 3rd year pharmacy students, University of Maryland School of Pharmacy, Baltimore. August 30, 2010
244. Edelman, R. Discussion leader, UM SOM medical student II Small Group Sessions in Microbiology and Immunology. "Parasites", October 15, 2010; "Respiratory Infections", October 21, 2010. Two, two-hour sessions.
245. Edelman R. "Ethical and Regulatory Issues Surrounding Clinical Research." 60 minute lecture. 2011 Vaccinology Course. Prev 627; 2 credits. Univ. of MD School of Medicine, HSF-II, room 431, Jan 31, 2011.
246. Edelman R. "Ethical and Regulatory Issues Surrounding Clinical Research". 60 minute lecture. Prev 803, Clinical trials and Experimental Epidemiology, Dept Epidemiology and Public Health, Univ. of MD School of Medicine, Bressler 224, March 22, 2011.
247. Edelman R. "Ethical Issues Related to Clinical Trials". 90 minute lecture. The UMSOM National Bioethics Research Center Seminar Series at Bowie State University, "Bioethics, Research Ethics, Clinical Trials, and Health Disparities." Wiseman Center, Bowie State University, Bowie, MD. May 11, 2011.
248. Edelman, R. "The Ethical Conduct of Clinical Research." 45 minute lecture. 2nd Annual Spring Bioethics/Health Disparities Mini-Medical School Program, University of Maryland School of Medicine, MSTF Auditorium, May 18, 2011.
249. Edelman, R. Discussion leader, UM SOM medical student II Small Group Sessions in Host Defenses and Infectious Diseases. "Hepatitis Virus Infections", November 8, 2011; "Viral Respiratory Infections", November 10, 2011. Two, two-hour sessions.
250. Edelman, R. "Preparation for Foreign travel." 45 minute lecture, Department of Medicine Weekly Grand Rounds, Shock Trauma Auditorium, University of Maryland Hospital, February 15, 2012.
251. Edelman R. "Ethical and Regulatory Issues Surrounding Clinical Research". 60 minute lecture. Prev 803, Clinical trials and Experimental Epidemiology, Dept Epidemiology and Public Health, U. of MD School of Medicine, Bressler 224, March 13, 2012.
252. Edelman, R. Discussion leader, UM SOM medical student II Small Group Sessions in Host Defenses and Infectious Diseases: "Meningitis", Oct 17, 2012; "Hepatitis" Nov 6, 2012; Two, two-hour sessions
253. Edelman R. "Ethical and Regulatory Issues Surrounding Clinical Research." 60 minute lecture. 2013 Vaccinology Course. Prev 627, 2 credits. Univ. of MD School of Medicine, HSF-II, room 331, February 4, 2013.
254. Edelman R. "Ethical and Regulatory Issues Surrounding Clinical Research". 60 minute lecture. Prev 803, Clinical trials and Experimental Epidemiology, Dept Epidemiology and Public Health, U. of MD School of Medicine, Bressler 224, February 12, 2013
255. Edelman R. Presentation and discussion of paper, "Ethics and Clinical Research," HK Beecher, *NEJM*, vol 274:1354-1360, 1966. One hour, HRPO staff meeting, 800 west Baltimore Street, Baltimore. April, 2013
256. Edelman R. "Ethical Issues Surrounding Clinical Research". 30 minute lecture and 1 hour Panel Discussion on "Research Ethics and Responsible Conduct in Research" for UMCP undergraduates and UMB graduate students in the Schools of Pharmacy, Medicine, Dentistry, and GPILS. Sponsored by the UMSOM Office of Student Research summer research program, MSTF auditorium, May 30, 2013.
257. Edelman R. "A Primer on Clinical Research Ethics." 1 hour lecture and discussion; senior high school students and teachers, Bnos Yisroel Summer Research program, 6712 Westbrook Road, Baltimore. July 12, 2013
258. Edelman, R. "Preparation for Foreign Travel." Department of Medicine didactic rounds for residents. 1 hour lecture, Woodward Conference room, University of MD Hospital. 24 October 2013.
259. Edelman, R. and McArthur, M. "Recent experience and perspective about closed access publication of research papers." Member, discussion panel on Open Access Publishing, sponsored by the UMB Graduate Student Association and the Health Sciences and Human Services Library. 3:00-4:30 pm., 24 October 2013.
260. Edelman, R. Discussion leader, UM SOM medical student II Small Group Sessions in Host Defenses and Infectious Diseases: "Hepatitis" Nov 11, 2013; One, two-hour session.
261. Edelman R. "Preparation for Foreign Travel." 2 hour lecture and discussion; senior high school students and teachers, Bnos Yisroel School for Girls, Park heights Ave, Baltimore. February 9, 2014

262. Edelman R. "Ethical and Regulatory Issues Surrounding Clinical Research". 60 minute lecture. Prev 803, Clinical trials and Experimental Epidemiology, Dept Epidemiology and Public Health, U. of MD School of Medicine, Bressler 224, February 27, 2014.
263. Edelman R. "A Primer on Clinical Research Ethics." 2 hour lecture and discussion; Junior and senior high school students and teachers, Bnos Yisroel Summer Research program, 6712 Westbrook Road, Baltimore. July 18, 2014
264. Edelman, R. Discussion leader, UM SOM medical student II Small Group Sessions in Host Defenses and Infectious Diseases; "Viral respiratory Infections" Nov 12, 2014; One, two-hour session.
265. Edelman, R. small group Facilitator, for the Foundations of Research and Critical Thinking Small Group on Responsible Conduct of Research. Howard Hall Multidisciplinary Lab, UMSOM, one hour, November 17, 2014.
266. Edelman R. "Ethical and Regulatory Issues Surrounding Clinical Research." 60 minute lecture. 2015 Vaccinology Course. Prev 627, 2 credits. Univ. of MD School of Medicine, HSF-II Auditorium, February 4, 2015.
267. Edelman R. "The Responsibilities of the Principal Investigator in Clinical Research." 90 minute talk and discussion, Research career Development program, UMSOM, Room 14-007, Bressler Research Bldg., February 24, 2015.
268. Edelman R. "Ethical and Regulatory Issues Surrounding Clinical Research". 60 minute lecture. Prev 803, Clinical trials and Experimental Epidemiology, Dept Epidemiology and Public Health, U. of MD School of Medicine, Bressler 224, March 12, 2015.
269. Edelman R. "Biological Terrorism: What Health Care Professionals Should Know". 60 minute Department of Medicine Grand Rounds, Mercy Hospital Medical Center, McAuley Conference Room, Baltimore, MD. 25 March, 2015
270. Edelman R. "Biological Terrorism: What Health Care Professionals Should Know". 60 minute Department of Medicine Grand Rounds, Sinai Hospital Medical Center, Zoimansky Auditorium, Baltimore, MD. 22 October, 2015
271. Edelman R. "Biological Terrorism: What Health Care Professionals Should Know". 60 minute Department of Medicine Grand Rounds, Greater Baltimore Medical Center, Physicians Pavilion East Conference Center, Room A, Baltimore, MD. 18 Dec 2015
272. Edelman R. "Ethical and Regulatory Issues Surrounding Clinical Research". 60 minute lecture. Prev 803, Clinical trials and Experimental Epidemiology, Dept Epidemiology and Public Health, U. of MD School of Medicine, Bressler 224, March 10, 2016.
273. Edelman R. "A Primer on Clinical Research Ethics." 2 hour lecture and discussion; Junior and senior high school students and teachers, Bnos Yisroel Summer Research program, 6712 Westbrook Road, Baltimore. July 15, 2016
274. Edelman R. "Biological Terrorism: What Health Care Professionals Should Know". 60 minute Department of Medicine Grand Rounds, UM St. Joseph Medical Center, Noffsenger Auditorium, Baltimore, MD. September 7, 2016.

MULTIMEDIA

1. Edelman, R. "The Medical Threats to our Troops in Somalia." Channel 2, NBC Television Interview, December 1 1992.
2. Edelman, R. "Travelers' Health." One-hour call-in radio talk show, "Community Health Beat." WEAA FM, Baltimore, January 20, 1994.
3. Edelman, R. "Influenza Vaccines for the Elderly." Channel 11 Television Interview, July 14, 1994.
4. Edelman, R. "Influenza Vaccines and DNA Vaccines." Channel 11 television news report. NBC affiliate, Baltimore, 6pm, May 31, 1995.
5. Edelman R, Heuser M, "Vaccines for the elderly", 4 minute news feature presentation, FOX Television, Channel 45 News, Baltimore, MD., August 26, 1999.
6. Edelman R, Heuser M, Barnes R. "Vaccinations and Vaccination of the Elderly". "Community Health Beat", one-hour interview and call-in talk show, WEAA Jazz FM 88.9, Morgan State University Public Radio, Baltimore, Sept 2, 1999.
7. Edelman R, Heuser M, Barnes R. "Vaccines for the Elderly", 25 minute radio talk show, WLIF 101.9 FM, Baltimore, Sept 8, 1999.
8. Edelman, R. "The Anthrax Scare and Biological Warfare". 20 minute live television interview, Fox-in-Line, Fox News Cable Channel. February 20, 1998.
9. Edelman, R. "The Threat of Bio-terrorism." 20 minute live radio interview, "Hill Reporter", United Broadcasting Network, Washington, D.C., February 23, 1998.
10. Edelman R, "Mosquito Repellents", 2 minute morning news presentation, FOX Television, Channel 45 News, Baltimore, MD., July 3, 2001.
11. Edelman R. "West Nile Virus and mosquito control", 2 minute evening news presentations at 5 pm and 6 pm, Channel 13 News, Baltimore MD. July 12, 2001.
12. Washington Times, October 4, 2001. Topic: Smallpox. R. Edelman, quoted.
13. Edelman, R. Interview, WJLA-TV, Washington, DC, October 8, 2001. Topic: Smallpox.

14. Edelman, R. Interview, WWJZ-TV, Baltimore, MD, October 8, 2001. Topic: Smallpox.
15. Broad WJ. U.S. Acts to Make Vaccines and Drugs Against Smallpox. In: The New York Times, October 9, 2001. R. Edelman, source.
16. Edelman, R. Interview, WWRC-TV, Washington, DC, October 10, 2001. Topic: Smallpox.
17. UM medical school testing smallpox vaccine. In: Baltimore Business Journal, October 11, 2001. R. Edelman, quoted.
18. Buckelew K. Smallpox vaccine tests now a highest priority. In: The Daily Record, October 12, 2001. R. Edelman, quoted.
19. Carpenter J. Stretching smallpox vaccine supplies. ABC NEWS.com, October 12, 2001. R. Edelman, source.
20. Roylance FD. New momentum for biodefense. In: The Baltimore Sun, October 14, 2001. R. Edelman, source.
21. Rubin R. Smallpox science gets new attention. In: USA Today, October 19, 2001. R. Edelman, quoted.
22. Edelman, R. Interview, WWJZ-TV, Baltimore, MD, October 15, 2001. Topic: Smallpox.
23. Edelman, R. Interview, Channel 4, Washington, DC, October 17, 2001. Topic: Smallpox.
24. Edelman, R. Interview, WTTG-TV, Washington, DC, October 20, 2001. Topic: Smallpox.
25. National Trial of Smallpox Vaccine. In: Washington Post Metro Section, October 27, 2001. R. Edelman, quoted.
26. Edelman, R. Interview, Reuters TV, October 22 and November 7, 2001. Topic: Smallpox.
27. Edelman, R. Interview, WBAL-TV, Baltimore, MD, October 23, 2001. Topic: Smallpox.
28. Edelman, R. Interview, Channel 8, Washington, DC, October 24, 2001. Topic: Smallpox.
29. Edelman, R. Interview, WMAR-TV, Baltimore, MD, October 24, 2001. Topic: Smallpox.
30. Edelman, R. Live phone interview, News Talk WRVA, Richmond, VA., October 23, 2001. Topic: Smallpox.
31. Edelman, R. Interview, Radio Health Journal, October 24, 2001. Topic: Smallpox.
32. Edelman, R. Interview, WUSA-TV, Washington, DC, October 26, 2001. Topic: Smallpox.
33. Edelman, R. Interview, Radio France, October 29, 2001. Topic: Smallpox.
34. Edelman, R. Interview, Newhouse News Service, November 1, 2001. Topic: Smallpox.
35. Edelman, R. Interview, WJLA-TV, Washington, DC, November 7, 2001. Topic: Smallpox.
36. Edelman, R. Quote, American Medical News, November 12, 2001. Topic: Smallpox.
37. Edelman, R. Interview, WARD-TV, Germany, November 20, 21, and 28th of 2001. Topic: Smallpox.
38. Edelman, R. Interview, Reuters Television News service, November 26, 2001. Topic: Smallpox
39. Edelman, R. Interview, Ivanhoe Television Health News Service, February 1, 2002. Topic: Smallpox.
40. Edelman, R. Interview, Maryland Public Television, Maryland Health Watch, March 21, 2002. Topic: Vaccines
41. Edelman R. Interview, Channel 13 News, Baltimore, November 7, 2002. Topic: Plague cases in New York
42. Edelman R. Quote, Baltimore Sun, April 12, 2003. Topic: Smallpox vaccine and heart ills
43. Edelman R. Quote, Baltimore Sun, April 19, 2003. Topic: SARS pandemic a worry
44. Edelman R. Quote, Baltimore Sun, April 22, 2003. Topic: An editorial on SARS threat and airline travel.
45. Edelman R. Quote, Baltimore Sun, May 2, 2003. Topic: Research on SARS patients at NIH, Bethesda.
46. Edelman R. Quote, Baltimore Sun, June 3, 2003. Topic: Vaccine Research gains new respect.
47. Edelman R. Interview, Channel 4 News, Washington, D.C. February 3, 2004. Topic: Ricin BW Attack
48. Edelman R. Radio station WBAL, 1090 AM, Baltimore, MD. February 3, 2004. Topic: Ricin BW Attack
49. Edelman R. Radio station WYPR, 88.1 FM, Baltimore, MD. June 4, 2004. "The Mark Steiner Show." Topic: "Epidemics in the U.S."; one hour, panel, call-in talk show.
50. Edelman R. Associated Press Radio, John Belmont Live Talk Show. Topic: "The delayed health effects of the Tsunami disaster in Asia", December 30, 2004
51. Edelman R. Reuters News Service, Topic: "The delayed health effects of the Tsunami disaster in Asia" , December 30, 2004
52. Edelman R. CBS TV Channel 13 Eyewitness News, Baltimore, Topic: "The delayed health effects of the Tsunami disaster in Asia", December 31, 2004
53. Edelman R. WBAL Station 1090 AM, Baltimore, live talk show, Topic: "The delayed health effects of the Tsunami disaster in Asia", 7:55 am, January 4, 2005.
54. Edelman R. ABCNews.com, Internet news interview, Topic: "Health after the Tsunami in Asia", January 25, 2005.
55. Edelman R. Quote, Baltimore Sun, Sept 7, 2005, Topic: "Katrina's Wake, Health Officials focus on Infectious Diseases."
56. Edelman R. Quote, Washington Post, Sept 13, 2005, Topic: "Hurricane Katrina's Effect on Health."
57. Edelman R. Radio Canada International, Live Interview. Topic: "Hurricane Katrina's Effect on Health, Sept 7, 2005.
58. Edelman R. Quote, Baltimore Sun, Sept 18, 2005, Topic: "Protection of participants in Clinical Trials at the UMB."
59. Edelman R. Live video interview, ABC TV Channel 2 Evening News, Baltimore, Topic: "The Avian Flu Treat". October 6, 2005

60. Edelman R. Quote, Baltimore Sun, Topic: "Doctors work to Prevent Avian Flu", January 22, 2006
61. Edelman R. Live interview, "Chikungunya vaccine for control of chikungunya epidemic on Reunion Island." French TV Broadcasting Overseas. January 31, 2006.
62. Edelman R. Quote, Baltimore Sun, Topic: "Vaccines against pandemic avian influenza." April 22, 2006
63. Edelman R. Taped interview, "What is the real threat of pandemic Avian influenza; Separating fact from fiction". Nightline, National ABC News, May 9, 2006.
64. Edelman R. Quote, Baltimore Sun, Topic: "Lab confirms transmission of bird flu between people." June 24, 2006
65. Edelman R. Quote, Baltimore Sun, Topic: "Travelers Facing Diseases Overseas" August 4, 2006
66. Edelman R. Quote, Baltimore Sun, Topic: "Unwelcome souvenir can be part of trip to homeland" September 1, 2006
67. Edelman R. Article and quote, Baltimore Sun, Topic: "lyme Disease." June 7, 2007
68. Edelman R. Live video interview, CBS TV Channel 13 Evening News, Baltimore, Topic: "Lyme Disease Prevention". June 15, 2007
69. Pash, Barbara. Article and quotes, "Human Studies: Ensuring Safety." University of Maryland Medical Bulletin. Winter 2010-2011, Volume 95, No. 3.
70. R. Edelman. Call-in talk show panelist for 'Direct Connection', Maryland Public television Live MPT News, Channel 22, Topic: "Lyme Disease, Under Our Skin: A Health Care Nightmare", 7:30-8:00 pm, June 27, 2011
71. Edelman, R. Call-in talk show radio panelist for "Travel Medicine" discussed during the Medical Hour, 5-6 pm, Sunday, July, 2011, WCBM 680 AM radio, Baltimore.
72. Edelman, R. Call-in talk show radio panelist for "Zoonotic Diseases" discussed during the Medical Hour, 5-6 pm, Sunday, 13 Nov 2011, WCBM 680 AM radio, Baltimore.
73. Edelman, R. Call-in talk show radio panelist for "Dangerous Bugs: Lyme and Chagas Disease" discussed during the Medical Hour, 5-7 pm, Sunday, 10 June 2012, WCBM 680 AM radio, Baltimore
74. Edelman, R. Call-in talk show radio panelist for "Toxoplasmosis and Suicide Risk," discussed during the Medical Hour, 5-7 pm, Sunday, 8 July 2012, WCBM 680 AM radio, Baltimore
75. Edelman, R. Quote, The New York Times, health section, page B1, Title: "In a Setback, Sanofi's Dengue Fever Vaccine Falls Short of Its Goal." September 11, 2012.
76. Edelman, R. Quote, The New York Times, International business section, Title: "Results are Promising in Clinical Trial of Dengue Fever Vaccine, April 28, 2014.

NATIONAL AND INTERNATIONAL CONFERENCES ORGANIZED OR CHAIRED

1. Member, organizing committee. Conference on "Escape From Immune Surveillance: The Interface Between Immune Mechanisms and Disease." 12-14 December 1977, Brook Lodge, Kalamazoo, Michigan. Sponsored by NIAID and NCI.
2. Co-Chairman. Workshop on "New and Useful Methods in Viral Diagnosis." 12-13 January 1978, NIH, Bethesda, Maryland. Sponsored by the National Commission on Digestive Diseases.
3. Member, organizing committee. Workshop on "Research in Digestive Diseases." 16-17 January 1978, NIH, Bethesda, Maryland. Sponsored by the National Commission on Digestive Diseases.,
4. Member, organizing committee. Workshop on "Nutrition in the Prevention of Digestive Disease." 4 February 1978, Holiday Inn-West Loop, Houston, Texas. Sponsored by the National Commission on Digestive Disease.
5. Co-Chairman. Symposium on the "Impact of Infections on Medical Care in the U.S." 30-31 May 1978, NIH, Bethesda, Maryland Sponsored by the NIAID.
6. Co-Chairman. International Symposium on "Potentiation of Immune Response to Vaccines." 20-21 February 1979, NIH, Bethesda, Maryland. Sponsored by NIAID and Bureau of Biologics, FDA.
7. Chairman. NIH Workshop on "Nutritional Support of the Patient: Research Directions for the 1980's." 17-18 September 1979, Dulles Marriott Motel, Virginia. Sponsored by the Nutrition Coordinating Committee, NIH.
8. Co-Chairman. "Workshop on New and Useful Techniques in Rapid Viral Diagnosis." 8-9 May 1980, NIH, Bethesda, Maryland. Sponsored by NIAID and the Pan American Group for Rapid Viral Diagnosis.
9. Co-Chairman. "Discussion Group on Infections and Undernutrition." 16-17 June 1980, NIH, Bethesda, Maryland. Sponsored by the Fogarty International Center, NIH.
10. Co-Organizer. "Workshop on Maternal Genitourinary Infections and the Outcome of Pregnancy." 11-12 May 1981, NIH, Bethesda, Maryland. Sponsored by NIAID and NICHD.
11. Organizer. "17th Joint U.S.-Japan Cholera Conference." 25-28 October 1981, Hyatt Regency Hotel, Baltimore, Maryland. Sponsored by the Microbiology and Infectious Diseases Program, NIAID.
12. Organizer and Moderator. NIAID Workshop on "Enteropathogenic *Escherichia coli*." 20-21 September 1982, NIH, Bethesda, Maryland. Sponsored by the NIAID.

13. Co-Organizer and Chairman. "NIH Research Workshop on the Epidemiology of the Acquired Immunodeficiency Syndrome." 12-13 September 1983, Holiday Inn Crowne Plaza, Rockville, Maryland. Sponsored by the NIAID, NCI, NHLBI.
14. Co-Organizer. "19th Joint U.S.-Japan Cholera Conference." 17-19 October 1983, NIH, Bethesda, Maryland. Sponsored by the Microbiology and Infectious Diseases Program, NIAID.
15. Organizer and Chairman. "NIAID/PAHO/FIC International Workshop on Typhoid Fever." 29-30 November 1984, Pan American Health Organization, Washington, D.C.
16. Chairman, planning committee. "NIH Consensus Development Conference on Traveler's Diarrhea." 28-30 January 1985, NIH, Bethesda, Maryland. Sponsored by NIAID and the Office of the Medical Applications of Research, NIH.
17. Organizer and Chairman. "Rotavirus Vaccine Workshop." 13 March 1985, NIH, Bethesda, Maryland. Sponsored by the NIAID, W.H.O., & USAID
18. Co-Organizer. "Twenty-First Joint U.S. - Japan Cholera Conference." 21-23 October 1985, NIH, Bethesda, Maryland. Sponsored by the Microbiology and Infectious Diseases Program, NIAID.
19. Organizer and Co-Chairman. "Second NIAID Rotavirus Vaccine Workshop." 5 September 1986, NIH, Bethesda, Maryland. Sponsored by the NIAID, USAID, and the W.H.O.
20. Co-Organizer. "Campylobacter pyloric Workshop." 28-31 July 1987, Keystone, Colorado. Sponsored by the NIH and the American Gastroenterological Association.
21. Co-Organizer. "Twenty-Third Joint U.S.-Japan Cholera Conference." 10-12 November 1987, Sheraton Patriot Inn, Williamsburg, Virginia. Sponsored by the Microbiology and Infectious Diseases Program, NIAID.
22. Co-Organizer and Co-Chairman. "NIH Workshop on Chlamydia and Mycoplasma Serology." 14-15 January 1988. NIH, Bethesda, Maryland. Sponsored by NIAID and NICHD, NIH.
23. Chairman, Forum on Clinical Aspects of Vaccine Adjuvants. NATO Advanced Studies Institute, "Immunological Adjuvants and Vaccines." 24 June - 5 July, 1988. Cape Sounion Beach, Greece.
24. Organizer and Chairman. "Third NIH Rotavirus Vaccine Workshop." NIH, Bethesda, Maryland. September 8-9, 1988. Sponsored by the NIAID, USAID, and the W.H.O.
25. Organizer. Weekly Wednesday Morning Vaccinology Seminars, Center for Vaccine Development. 1990-1991, 1991-1992, and 1992-1993 Academic Years, University of Maryland School of Medicine.
26. Co-chair. Session VII. "Adjuvants: Critical Issues on Adjuvants for HIV Vaccines." International Conference on Advances in AIDS Vaccine Development. Sponsored by NIAID. Marco Island Marriott, Florida. October 17, 1991.
27. Co-moderator. Session on "Viral Vaccines." 41st Annual Meeting of the American Society of Tropical Medicine and Hygiene. November 16, 1992. Sheraton Hotel, Seattle, Washington.
28. Chairman. "Consultative Group on Chronic Lyme Disease." NIAID and NIAMS, NIH, Solar Bldg., Rockville, Maryland, January 31, 1994.
29. Co-moderator. "Session on Lyme Disease Vaccine Development". Sixth International Conference on Lyme Borreliosis. Bologna, Italy, June 20, 1994.
30. Group Leader. "Domestic Trials for Malaria Vaccines," at the International Conference, "Planning and Implementing Clinical Trials of Vaccines for Parasitic Diseases of Humans." NIAID, NIH, Bethesda, MD, September 19-21, 1995.
31. Conference Co-Chairman, and organizer of the "Session on Vaccine Adjuvants", April 29, 1998. Third National Symposium, Basic Aspects of Vaccines, Sheraton Washington Hotel, Washington, D.C., April 29-May 1, 1998.
32. Session Co-Moderator, Scientific Session on Viral Vaccines/Control Measures. 48th Annual Meeting of the American Society of Tropical Medicine and Hygiene, Washington Hilton Towers, Nov 30, 1999.
33. Scientific Advisory Panel, "Immunopotentiators in Modern Vaccines." Radisson SAS Hotel, Prague, Czech Republic. May 14-16, 2002. Moderator of Session 5, "Preclinical aspects and clinical applications of vaccine adjuvants," and Co-moderator of Session 6, "Vaccine adjuvants: Safety and regulatory concerns."
34. Organizer and Participant, "Symposium on Mechanisms of Human Immunosenescence: Immune Responses of Healthy Elderly Adults Vaccinated with Recombinant-HB, a Licensed Recombinant Hepatitis B Surface Antigen Vaccine." Sponsored by the Intramural Research Program, National Institute on Aging. Harbor Hospital Center, Baum Auditorium, Baltimore, MD, 9 am – 12 noon, January 26, 2006.
35. Moderator, 2-hour Seminar, "Vaccines and Therapeutics-Maryland's Promise and Perspective." UMB and the BioAlliance Network of the Technology Council of Maryland, Westminster Hall, UMB Campus, March 3, 2006.
36. Chairman, meeting of the Drafting Group revising the "WHO Guidelines for the Clinical Evaluation of Dengue Vaccines in Endemic Areas, 2nd edition." Marriott Marquis Hotel, Atlanta, Georgia, 12 November 2006.
37. Chairman, meeting of the Drafting Group revising the "WHO Guidelines for the Clinical Evaluation of Dengue Vaccines in Endemic Areas, 2nd edition." World Health Organization, Geneva, Switzerland, March 26-27, 2007
38. Organizer and Chairman, Symposium #97, "Status of Phase 1 and Phase 2 Clinical Trials of Dengue Vaccines," 57th Annual meeting, the American Society for Tropical Medicine and Hygiene, Sheraton New Orleans, LA. Gallery Room, 3:45pm-5:30pm, December 9, 2008.

39. Co-organizer and co-chairman, working group on “Defining dengue severity markers: Acute febrile Illness (AFI)”. Workshop on Dengue Clinical Case Classification for Clinical Research, sponsored by the NIH, WHO, and the Partnership for Dengue Control. Fishers Lane Conference Center, room 1D13, 5601 Fishers Lane, Rockville, MD 20852, April 27-28, 2015.