Updated 3/23/18

Curriculum Vitae

Name:	**Harry Bernard Greenberg, M.D.**
Date and Place of Birth:	May 30, 1944, New York, New York
Citizenship:	United States
Marital Status:	Married 1968, two children
Social Security:	Available Upon Request

EDUCATION

Dartmouth College	6/1966	Bachelor of Arts
Columbia College of Physicians and Surgeons	6/1970	Doctor of Medicine

MEDICAL RESIDENCY and FELLOWSHIP

Bellevue Hospital, New York, NY	6/1970-1972	Intern and Resident (Medicine)
Stanford University, Stanford, CA	6/1974-1976	Gastroenterology Fellow

EMPLOYMENT and POSITION

07/72–06/74 Research Associate, USPHS, NIAID, Laboratory of Infectious Diseases, National Institutes of Health, Bethesda, MD

09/76–06/83 Medical Officer, USPHS, NIAID, Laboratory of Infectious Diseases, National Institutes of Health, Bethesda, MD

07/83–11/85 Associate Professor of Medicine and Microbiology and Immunology, Stanford University School of Medicine and the VA Palo Alto Health Care System

12/85–09/89 Associate Professor of Medicine and Microbiology and Immunology with tenure, Stanford University School of Medicine

04/88–12/98 Chief, Division of Gastroenterology, Stanford University School of Medicine and the VA Palo Alto Health Care System

10/89– Professor of Medicine and Microbiology and Immunology, Stanford University School of Medicine and the VA Palo Alto Health Care System

05/95–12/98 Associate Chairman for Academic Affairs, Department of Medicine, Stanford University School of Medicine

07/96–12/96 Acting Chairman, Department of Medicine, Stanford University School of Medicine

04/97–10/00 Associate Chief of Staff (ACOS) for Research, VA Palo Alto Health Care System

1997–10/00 President of the Board, Palo Alto Institute for Research and Education, Inc. (PAIRE), VA Palo Alto Health Care System

01/99–10/00 Senior Associate Dean for Research, Stanford University School of Medicine

01/99– Joseph D. Grant Endowed Professorship, Stanford University School of Medicine

11/00–11/02 Leave of Absence, Stanford University Medical School and VA Palo Alto Health Care System

11/00–11/02 Senior Vice President for Research and Chief Scientific Officer, Aviron, then Medimmune Vaccines, Mt. View, CA

11/01–11/02 Staff Physician (Intermittent Status), VA Palo Alto Health Care System

11/02–6/17 Senior Associate Dean for Research, Stanford University School of Medicine

11/02– Professor of Medicine (Gastroenterology & Hepatology), Microbiology and Immunology, and Staff Physician VA Palo Alto Health Care System

01/05–12/06 Acting Co-Chairman, Department of Medicine, Stanford University, School of Medicine

6/17- Associate Dean for Research, Stanford University School of Medicine

MILITARY SERVICE

07/72 - 06/74 USPHS, National Institutes of Health
09/76 - 06/83 USPHS, National Institutes of Health

LICENSURE

California G026684
Maryland D21576 (Inactive)

CURRENT RESEARCH FUNDING

National Institutes of Health/NIAID -- R56 (R01AI021362) – PI. Viral Gastroenteritis; Basis of Protection and Virulence. (R01: 2010-2015). R56: 2016 and 2017.
National Institutes of Health/NIAID – 1R01 AI25249 – PI. Regulation of Rotavirus Replication, Virulence and Host Range Restriction by the Innate Immune System. 2017-2022.
National Institutes of Health/NIAID – U19 AI057229 – Co-PI and Project 1 Director (PI, M. Davis). Influenza Immunity: Protective Mechanisms against Pandemic Respiratory Virus. 2009-2019.
VA Merit Review – 1 I0 1BX000158-01A1 – PI. Rotavirus: Studies of Intestinal Tropism and Innate and Heterotypic Immunity. 2010-2018.
National Institutes of Health/NCATS – TL1 RR025742, KL2 RR025743, UL1 RR025744 – PI, Stanford Center for Clinical and Translational Education and Research (Spectrum), CTSA award. 2008-2018.
National Institutes of Health/NIAID – U01 AI115715 – PI. Mucosal and Systemic Immune Responses to Influenza Virus. 2015-2017.
National Institutes of Health/NIAID -- U19 AI116484 – Project 2 Director (PI, K. Kuo). Stanford Cooperative Research Center for Novel, Alternative Model Systems for Enteric Diseases. 2015-2020.

SOCIETIES

Diplomate, American Board of Internal Medicine	1973
Fellow, Infectious Diseases Society of America	1976
Member, American Society of Microbiology	1976
Diplomate, American Board of Gastroenterology	1977
Member, American Gastroenterological Association	1977
Member, American Federation for Clinical Research	1978
Member, American Society for Clinical Investigation	1980
Member, American Society for Virology	1983
Member, The California Academy of Medicine	1986

Member, Western Association of Physicians	1988
Fellow, American College of Physicians	1991
Member, Association of American Physicians	1992
Member, Society for Mucosal Immunology	1994
Fellow, American Association for the Advancement of Science	2003
Fellow, American Academy of Microbiology, Washington, DC	2010

RESEARCH INTERESTS

Infectious diseases and immunology, with specific reference to viral infections of the GI tract, liver, and respiratory tract.

PATENTS

1. R Wyatt, W James, E Bohl, K Thiel, L Saif, H Greenberg, T Kalica, A Kapikian, and R Chanock. Cultivatable human rotavirus. United States Patent Serial Number 4,34l,870, 1982.

2. HB Greenberg, RG Wyatt, AZ Kapikian, AR Kalica, K Midthun, and RM Chanock. Genetic reassortment of rotaviruses for production of vaccine and vaccine precursors. United States Patent Serial Number 4,571,385, 1986.

3. RG Wyatt, AZ Kapikian, RM Chanock, K Midthun, J Flores, Y Hoshino, and H Greenberg. Vaccine against rotavirus. United States Patent Serial Number 4704, 275, 11/3/87.

4. RG Wyatt, AZ Kapikian, RM Chanock, K Midthun, J Flores, Y Hoshino, and H Greenberg. Vaccine against rotavirus. United States Patent Serial Number 4751,080, 6/14/88.

5. PR Dormitzer, SC Harrison, HB Greenberg, J Yoder. Rotavirus antigens. United States Patent Serial Number 0276130, 11/29/2007.

HONORS, TALKS, NATIONAL COMMITTEES AND OTHER EDITORIAL OR ADMINISTRATIVE ACTIVITIES

1966	Rufus Choate Scholar - Dartmouth College.
1977	Member, National Commission on Digestive Disease, Workshop on Basic Sciences Research Related to Digestive Disease.
1978	Invited participant in workshop on "Infectious Agents in Inflammatory Bowel Disease" at Tarrytown Conference.
03/78	Invited Speaker, "Colloquium on Selected Diarrheal Diseases of the Young", National Institutes of Health, Bethesda, Maryland.
06/78	Recipient, Public Health Service Commendation Medal.
08/78	Invited speaker, "Aspects of Gastroenteritis Viruses Workshop W35", 4th International Congress for Virology, The Hague, Netherlands.
1979	Invited speaker, ASM Symposium on Enteric Viral Infections, Honolulu, Hawaii.
1979	Member, NIAID Research Contracts Advisory Group.
1980	Invited speaker, United States/Japan Cooperative Medical Science Program, Viral Disease Panel.
02/80	Invited speaker, XI Meeting of Perspectives in Virology, "New Insights in Viral Gastroenteritis".
1981	Invited speaker, United States/Japan Coop Med Science Program, Viral Disease Panel, Oiso, Japan.
08/81	Invited speaker, V International Congress of Virology, Strasbourg, France.
1982	Invited participant in NIFC Workshop on Infectious Agents in Inflammatory Bowel Disease, Princeton, NJ.
03/82	Chairman, ASM Panel on Rotavirus, Atlanta, GA.
07/81-06/83	Chairman and Vice Chairman, NIAID Clinical Research Sub-panel. The sub-panel had the responsibility to review clinical research protocols of the Institute as a part of the assessment of risks and benefits, as well as, ethical issues involved in the protection of human subjects.
1983-1985	Editorial Board, *Infection and Immunity*.

09/83 Invited speaker, Cold Spring Harbor Symposium, "Modern Approaches to Vaccines".
09/83 Invited speaker, United States/Japan Cooperative Medical Science Program, Viral Disease Panel, San Diego, CA.
11/83 Invited speaker, SCASM Meeting, San Diego, CA.
06/84 Medical Grand Rounds, Traveler's Diarrhea, Stanford University Medical Center, Stanford, CA.
10/84 Pediatric Grand Rounds, Update on Rotavirus Infections, Stanford Medical School, Stanford, CA.
01/85 Med Grand Rounds, Traveler's Diarrhea, Santa Clara Valley Medical Center, Santa Clara, CA.
02/85 Invited speaker, "Infectious Diarrhea in the Young; Strategies for Control in Humans and Animals", Geelong. Victoria, Australia.
06/85 Invited speaker, Nobel Conference II, "Recent Advances in Vaccines and Drugs Against Diarrheal Diseases", Stockholm, Sweden.
08/85 Invited speaker, Conference on Mucosal Immunity & Infection, NIH sponsored, Missoula, MA.
09/85 Invited speaker, Cold Spring Harbor Symposium, "Modern Approaches to Vaccines #3".
09/85 Invited speaker, American Society for Microbiology, Inter-science Conference on Anti-Microbials (ICAC), Minneapolis, Minnesota.
10/85 Invited speaker, Society for Intestinal Microbial Ecology and Disease, l0th International Symposium on Intestinal Microecology, Minneapolis, Minnesota.
10/85 Invited speaker, National Foundation for Ileitis and Colitis present: An Update in Inflammatory Bowel Disease, Stanford University, Stanford, California.
12/85 Invited consultant, PATH Diarrheal Program, Washington, D.C.
07/86 Invited discussant Ciba Symposium #l28 on Novel Diarrhea Viruses, London, England.
08/86-1991 Editorial Board, *Molecular and Cellular Probes*, Academic Press Publication.
09/86 Invited participant, Double Stranded RNA Virus meeting, Oxford, England.
02/87 Invited speaker, Plenary Session of the Western Association of Physicians. Carmel, CA.
03/87 Invited lecturer, University of Mexico City, Microbiology Department.
04/87 Invited lecturer, UCSD Medical Microbiology, San Diego, CA.
04/87 Invited lecturer, University of Washington, GI Division, Seattle, WA.
10/87 Invited Chairman, Viral Disease Section of the National Foundation for Ileitis and Colitis Research Conference, Ft. Lauderdale, FL.
11/87 Invited speaker, Palo Alto Medical Foundation Research Institute, Palo Alto, CA.
12/87 Invited lecturer, United States/Japan Joint Meeting of Viral Disease Panel, Monterey, CA.
12/87 Invited lecturer, American Society of Tropical Med, Symposium on Cell Adhesions, Los Angeles, CA.
1988-1999 Editorial Board, *Journal of Clinical Microbiology*.
02/88 Invited participant, UCLA Symposium on Viral Entry, Taos, NM.
03/88 Invited speaker, Center for Gastroenterology Research on Absorptive and Secretory Processes, New England Medical Center, Boston, MA.
04/88 Advisory Board, Inflammatory Bowel Disease Center, UCLA, Los Angeles, CA.
05/88 Invited lecturer, UCSD, San Diego, CA.
05/88 Invited discussant, Grand Rounds, Sequoia Hospital, Redwood City, CA.
09/88 Invited discussant, Third NIH Rotavirus Vaccine Workshop, Bethesda, MD.
10/88 Invited discussant, Textile Museum Annual Carpet Convention, Washington, D.C.
12/88 Organizer, Syntex Seminar on Inflammatory Bowel Disease.
12/88 Ad Hoc reviewer, NIAID-AID Research Grant Committee, Bethesda, MD.
03/89-06/91 Chairman, AGA Research Council, Section of Immunology & Microbiology
04/89 Invited participant, International Meeting on Molecular Genetics of the Rotaviruses, Jouy en Josas, France.
05/89 Invited lecturer, Department of Microbiology, UCSD, San Diego, CA.
09/89 Member, Editorial Board, *J. Virology*.
09/89 Invited speaker, Gene Labs, Palo Alto, CA.
10/89 Invited speaker, UCLA Microbiology and Immunology Department, CA.
10/89 Invited speaker and member - External review panel of the UCLA IBD Center, CA.
01/90 Invited speaker, Cetus Corp., Emeryville, CA.
02/90 Ad Hoc reviewer, Virology Study Section - NIH, Bethesda, MD.

03/90 Editorial Committee, Annual Review of Medicine.
04/90 Invited lecturer, Department of Medicine/Microbiology, UCSD, San Diego, CA.
05/90 Invited speaker, UCSF GI Division and UCSF Liver Center, San Francisco, CA.
05/90-04/95 Editorial Committee, *Journal of Clinical Investigation*.
09/90 Invited speaker, Reovirus Workshop-International Virology Congress, Berlin, Germany.
10/90 Ad Hoc reviewer, Virology Study Section - NIH, Bethesda, MD.
12/90 Invited speaker, 3rd International Symposium: Double Stranded RNAViruses, Kona, HI
03/91 Ad Hoc reviewer, Virology Study Section - NIH, Lake Tahoe, CA.
04/91 Recipient, VA Medical Investigator Award
05/91 Invited speaker, Ohio State University & OARDC.
07/91 Invited moderator, American Society of Virology, Ft. Collins, CO.
07/91 Invited speaker, UCSF Conference on Antiviral Chemotherapy, Napa, CA.
07/91-06/93 Member, Virology Study Section, NIH.
09/91 Invited speaker, United States/Japan joint meeting on Viral Disease, Charlottesville, VA.
10/91 Visiting Professor, Duke University, Raleigh Durham, NC.
10/91-06/96 Member, WHO Steering and Review Committee on Diarrheal Disease - Viral Sub-Committee, Geneva, Switzerland.
11/91 Organizer, Symposium on 27nm Gastroenteritis Agents, Stanford, CA.
02/92 Recipient of the 1992 Western Gut Club Research Prize.
04/92 Invited speaker, Rush Presbyterian Medical School, Department of Microbiology.
07/92 Invited speaker, Smith Kline & Beecham Pharm., King of Prussia, PA.
09/92 Invited speaker, International Centre for Genetic Engineering and Biotechnology Conference on Biotechnology R & D Trends, Trieste, Italy.
10/92 Invited speaker, Rockefeller Foundation Conference Linking Molecular Epidemiology, Field Investigation and Health Service Research, Stanford, CA.
12/92 Invited speaker, 4th International Symposium: Double Stranded RNA Viruses, Scottsdale, AZ.
01/93 Member, Task Force on Intestinal Microecology and Environment for CCFA, "Challenges in IBD research: Agenda for the 1990's" .
01/93 Invited speaker, 3rd Swiss Welcome Workshop-Challenge in Virology, Saanen, Switzerland.
02/93 Organizer, Viral Pathogenesis Session-4th Annual Beckman Symposium on Molecular and Genetic Medicine, Stanford, CA.
04/93 Invited lecturer, Baylor College of Medicine, Houston, TX.
05/93 Invited speaker, State-of-the-Art lecture: "Rotaviruses" AGA Annual Meeting, Boston, MA.
07/93 Invited speaker, Medical Virology satellite meeting of ASV, Davis, CA.
10/93 Invited Speaker, 27th United States/Japan joint meeting on Viral Disease, San Diego, CA.
01/94-12/99 Associate Editor, *Virology.*
01/94-12/96 Advisory Council, Textile Museum, Washington, D.C.
02/94 Member, NIH sponsored consensus conference on H. Pylori, Bethesda, MD.
03/94 Invited speaker, Scripps Research Institute, San Diego, CA.
03/94 Invited speaker, Medical Grand Rounds, Stanford University, Stanford, CA.
05/94 Member, CCFA Research Initiative Panel.
07/94 Invited speaker, 28th United States/Japan Joint Meeting on Viral Disease, Tokyo, Japan.
07/94 Recipient, NIH Merit Award (R37).
10/94 Ad Hoc reviewer, Virology Study Section, NIH, Bethesda, MD.
12/94 Invited speaker, GI Grand Rounds, UCSF, San Francisco, CA.
03/95-02/00 Member, ASV Membership Nominating Committee.
03/95 Invited speaker, V International Symposium of Double Stranded RNA Viruses, Jerba, Tunisia.
04/95 Member, Committee to Review NIAID Programs in International and Tropical Infectious Disease, Bethesda, MD.
04/95 Invited speaker, Colloque International, The Year of L. Pasteur International Symposium, University of Dakar, the Institute Pasteur of Dakar and UNESCO, Dakar, Senegal.
04/95 Invited speaker, UCSF ID Division, San Francisco, CA.
06/95 Invited speaker, Sapporo International Symposium on Viral Gastroenteritis, Sapporo, Japan.

09/95 Invited Keynote Speaker, First International Rushmore Conference on Mechanisms in Pathogenesis of Enteric Diseases, Rapid City, South Dakota.
10/95 Ad Hoc reviewer, Virology Study Section, NIH, Bethesda, MD.
10/95 Invited speaker, 5th Rotavirus Vaccine Workshop, CDC, Atlanta, GA.
11/95 Visiting Professor, Gastroenterology Division, Massachusetts General Hospital, Boston, MA.
11/95 International Scientific Organizing Committee 9th International Congress of Mucosal Immunology.
07/96 Invited Speaker, Medical Virology Club Satellite Symposium of ASV annual meeting, London, Ontario, Canada.
08/96 Member, Ad hoc review committee UCSF Liver Center, San Francisco, CA.
11/96 Invited participant, 3rd Annual Sabin Foundation Colloquium on Vaccine Policy, Cold Spring Harbor, NY.
11/96 Reviewer, Microbiologic and Immunologic Sciences Special Emphasis Study Section, NIH, Bethesda, MD.
01/97-12/99 Trustee, Textile Museum, Washington, D.C.
01/97 Invited speaker, Pediatric Grand Rounds, Stanford University School of Medicine.
01/97 Invited speaker, WHO Consensus Workshop on Rotavirus Vaccines, Geneva, Switzerland.
01/97 Invited participant, NIH, NIAID sponsored Mucosal Immunity "Thinktank", Bethesda, MD.
03/97 Invited speaker, Keystone Symposium on Mucosal Immunity, Santa Fe, NM.
04/97–01/01 Editorial Board, *Current Opinion in Microbiology*.
04/97 Invited speaker - Second National Symposium on Basic Aspects of Vaccines, Bethesda, MD.
04/97–11/00 Member, Vaccines and Related Biological Products Advisory Committee, FDA, Washington, D.C.
05/97 Participant, Expert Panel to Review NIAID Strategic Plan for Hepatitis C Research (Conference Call).
05/97 Invited speaker, Palo Alto Research Institute, Palo Alto, CA.
06/97 Invited speaker, Viral Gastroenteritis in the Frontiers in Gastroenterology series, Case Western University Medical School, Cleveland, Ohio.
06/97- Member, Viral Disease Panel of the United States/Japan Cooperative Medical Sciences Program.
07/97 Special Reviewer, Viral Gastroenteritis Program, Center for Disease Control, Atlanta, GA.
07/97 Invited speaker, Gastroenterology Grand Rounds, University of California, San Francisco, CA.
06/97-06/99 Member, University of California, San Francisco Liver Center Advisory Board.
07/97-07/99 Co-Chairman, Medical Virology Club, ASV.
08/97 Invited participant, VA Planning Committee for the Cooperative Study (#449) on Interferon Therapy in the Prevention of Liver Failure Associated with Hepatitis C Related Cirrhosis, Washington, D.C.
09/97 Invited speaker, Symposium on HIV-1 Infection, Mucosal Immunity and Pathogenesis, NIH, Besthesda, MD.
10/97 Wade Volwiler Visiting Professor, University of Washington, Seattle, Washington.
12/97-12/01 Editorial Board, *American Journal of Medicine*.
12/97 Invited speaker, Indo-US Vaccine Action Programme Commercial Colloquium on Rotaviral Diarrhea, Bangalore, India.
04/98 Invited speaker, HIV Vaccines for Developing Countries, Harvard AIDS Institute, Boston, MA.
04/98 Invited lecturer, Rotavirus Vaccines, UC Berkeley School of Public Health course in vaccines.
04/98 Keynote Presentation, Mini Symposia on Pathogens and Gastrointestinal Epithelia, Experimental Biology meeting, San Francisco, CA.
05/98 Invited lecturer, Rotavirus Immunity - Karolinska Institute, Stockholm, Sweden.
06/98 Reviewer, NIDDK Special Emphasis Panel, RFP NIDDK-98-6 "Hepatitis C Clinical Trial - Virology Laboratory".
07/98 Co-Organizer, Medical Virology Satellite Symposium "What's new in Viral Vaccines", University of British Columbia, Vancouver, Canada.
09/98 Member, Ad hoc VA Committee on HCV Research.
09/98 Invited Participant, 32nd US Japan Joint Working Conference on Viral Diseases, Kyoto, Japan.
10/98-12/04 Member, Advisory Committee for the Virus Research Center, Kon-Kuk University, Seoul, Korea.
1999-2004 Member, Scientific Advisory Board, Kirsch Foundation.

01/99 Invited participant, Symposia on Immunology and Inflammation in the Liver, University of Texas, Galveston, TX.
02/99 Invited speaker, Rotavirus Immunology, University of Pennsylvania, Philadelphia, PA.
02/99-11/00 Chairman, Vaccines and related Biological Products Advisory Committee, FDA, Washington, D.C.
04/99 Co-organizer, Keystone Symposium, Molecular Approaches to Human Viral Vaccine, Snowbird, Utah.
06/99 Invited speaker, Symposium on Mucosal Immunity, Institut National de la Recherche Agronomique, Toulouse, France.
06/99 Invited speaker and panel member, United States/Japan Joint meeting on Viral Disease, Bethesda, MD.
07/99 Invited participant, NIAID Strategic Plan Task Force Meeting, NIH, Bethesda, MD.
08/99 Invited moderator, Workshop on Thimerosal in Vaccines, National Vaccine Advisory Committee, Bethesda, MD.
12/99 Invited speaker, "Rotavirus Immunity – Effector Mechanisms and Cell Homing", Department of Microbiology/Immunology, University of North Carolina, Chapel Hill, NC.
12/99– Member, Editorial Board, *Viral Immunology*.
01/00 Invited Speaker, National Congress of Molecular Virology, Guanajuato, Mexico.
01/00 Invited Participant, NIH/NVPO Workshop on Intussusception, Infection, and Immunization, Bethesda, MD.
2000-2001 Vice-Chair, GRAND Steering Committee of Research Dean's, AAMC.
02/00 Invited participant, WHO Conference on Rotavirus Vaccine Research, Geneva, Switzerland.
02/00 Invited discussant, NIAID Council Meeting on *H. pylori* Human Challenge Model, Bethesda, MD.
02/00 Chairperson, NIAID Vaccine and Treatment Evaluation Units (VTEU) Review, Bethesda, MD.
02/00 Member, Mucosal Immunity Working Group, HIV Vaccine Trials Network (HVTN).
05/00 Invited discussant, Novartis Foundation Symposium, Gastroenteritis viruses. London, England.
06/00 Invited participant, VA Merit Review Council Meeting, Washington, D.C.
07/00 Convenor, HIV Research Symposia, American Society Virology Meeting, Ft. Collins, CO.
07/00 Invited Participant, 34th United States/Japan Viral Diseases Panel, Inuyama, Japan.
12/00 Ad Hoc Consultant, Board of Scientific Counselors, NIAID, Division of Intramural Research, Laboratory of Infectious Diseases Evaluation.
12/00 Consultant, FDA Workshop and Site Visit for Laboratory of Rotraviruses.
01/01 Planning Committee for VA Research in Hepatitis C.
04/01-03/04 Councilor for Medical Virology, Council of the American Society for Virology.
07/01 Invited speaker, 35th Annual United States/Japan Conference on Viral Diseases, Honolulu, HI.
09/01 Invited participant, NVAC Rotavirus Meeting, Arlington, VA.
09/01 Invited participant, American Society for Virology Fall Meeting, Evanston, Il.
10/01 Invited participant, VA Hepatitis C Research Symposium, Leesburg, VA.
02/02 Member, NIAID Blue Ribbon Panel on Bioterrorism and its Implications for Biomedical Research.
03/02 Invited Speaker, HIV/AID Symposium, Immune Evasion and HIV Vaccines, Palm Springs, CA.
04/02- 03/04 Contributing Member, FACULTY of 1000, Virology Section.
04/02 Invited speaker on Conflict of Interest, AAMC GRAND Meeting of Research Deans, Denver, CO.
05/02 Invited speaker, Phaciliatates Meeting on Vaccines, Paris, France.
07/02 Invited speaker, 36th Annual United States/Japan Conference on Viral Diseases, Matsumoto, Japan.
07/02 Presenter, American Society Virology, Lexington, KY.
07/02-07/05 Member, Board of Governors, Iris and B. Gerald Cantor Center for Visual Arts, Stanford University, Stanford, CA.
03/03 Member, NIAID DMID Study Section –Food and Waterborne Pathogens Review.
03/03 Invited Speaker, UC Davis, Medical Microbiology, "Influenza Vaccines".
03/03– Senior Editor, *Journal of Virology*.
03/03-11/08 Member, GAVI-ADIP Management Committee.
04/03 Invited speaker, Johns Hopkins School Public Health, "Influenza Vaccines".
04/03 Member, Technical Review and Advisory Committee (TRAC) for the Accelerated Development and Introduction Plan (ADIP) for Rotavirus Vaccines at

Program for Appropriate Technology in Health (PATH).
05/03 International Scientific Panel on SARS, Singapore government's program to combat SARS.
05/03 Invited speaker, Rockefeller University, "Influenza Vaccines".
07/03 Eli Lilly Lectureship, Influenza Vaccines, ASV, UC Davis, Davis, CA.
07/03 Presenter, Medical Grand Rounds, Stanford University, "Influenza Vaccine".
07/03 Invited Speaker, "Rotavirus Immunity, 8th International Symposium on Double Stranded RNA Virus, IL Ciocco, Italy.
08/03 Consultant, Gates Foundation, Acute Respiratory Disease, Seattle, WA.
09/03 WHO Consultant, Respiratory Measles Vaccine, London, England.
10/03– Elected American Association for the Advancement of Science (AAAS) Fellow, Washington, D.C.
10/03 Invited Speaker, "Influenza Vaccines", Viral Vaccine Meeting, Barcelona, Spain.
12/03 Invited Speaker, "Vaccines: Changing Perspectives", NIH, Washington, D.C.
12/03 Invited Participant, NIH Fogarty Center Strategic Review, Bethesda, MD.
02/04 Invited Participant, IOM Forum on Microbial Threat, Washington, D.C.
02/04 Invited Speaker, AAAS Symposia "Influenza Vaccines", Seattle, WA.
03/04 Invited Speaker, AAAAS Symposia "Influenza Vaccines", San Francisco, CA.
03/04 Invited Speaker, ASM Bioterrorism Plenary Symposia "Realities of Vaccine Development", Baltimore, MD.
04/04 Invited Consultant, Glaxo, Smith, Kline – Rotavirus Vaccines, Brussels, Belgium
04/04 Organizer and Speaker, International Congress on Respiratory Viruses, Chicago, IL.
05/04 Invited speaker, Palo Alto Rotary Club, "Vaccines", Palo Alto, CA.
05/04 Invited Participant, Kaiser Permanente Blue Sky Research Conference, San Francisco, CA.
06/04 Invited Speaker, Influenza Vaccines, IVR Global Vaccine Research Forum, Monteux, Switzerland.
07/04 Invited Speaker, VI International Rotavirus Symposium, Mexico City, Mexico.
07/04 Invited Participant, NIH Conference on Regional Centers of Translational Medicine. Bethesda, MD.
08/04-08/06 Member, Scientific Advisory Board, Global Vaccines, Inc.
10/04– Member, Scientific Advisory Board, Southeast Regional Center of Excellence for Emerging Infections and Biodefense.
10/04 Research Policy Committee, American Gastroenterological Association.
02/05 Invited Speaker, La Jolla Institute for Allergy and Immunology, San Diego, CA.
02/05 Invited Speaker, WHO Consultation of Specifications for a Live Rotavirus Vaccine, Mexico City, Mexico.
02/05 Invited Participant, Aerosol Measles Vaccine Project Review, Bill & Melinda Gates Foundation, Seattle, WA.
02/05 Invited Participant, Coccidioidomycosis: Host Response and Vaccine Development Conference, California Healthcare Foundation, Oakland, CA.
02/05 Invited Speaker, International Conference on Emerging Infectious Diseases, Dubai, United Arab Emirates.
03/05 Invited Participant, Colloquium on "Vaccine Development: Current Status and Future Needs", American Academy of Microbiology, Baltimore, MD.
04/05 Invited Speaker, John R. La Montagne Memorial Symposium on Pandemic Influenza Research, IOM Washington, D.C.
06/05 Invited Participant, Symposium on the Integrity of Reporting of Clinical Research Studies, Washington, D.C.
06/05-05/08 Member, AGA Research Policy Committee
06/05 Invited Participant, AAMC Symposium on Integrity of Reporting Clinical Research, Washington, D.C.
07/05 Invited speaker and organizer, 38th Annual United States/Japan Conference on Viral Diseases, Stanford, CA.
09/05 Invited participant, Conflict of Interest Committee Chairs Annual Meeting, University of Alabama, Birmingham, AL.

10/05 Invited Participant, Southeast Regional Center of Excellent for Emerging Infection & Biodefense (SERCEB) Annual meeting, Chapel Hill, N.C.
10/05 Invited Speaker, IOM 35th Annual Meeting, Washington, D.C.
12/05 Invited Participant, 3rd GAVI Partner's Meeting, New Delhi, India.
02/06 Invited Speaker, 2006 AAHRPP Conference, Stanford School of Medicine, Stanford, CA.
03/06 Invited Speaker, 2006 VIII International Symposium for Respiratory Viral Infections, Hawaii.
04/06 Invited Speaker, 2006 AAMC GRAND Meeting, Washington, D.C.
04/06 Invited Discussant, 2006 Clinical Research Forum, Washington, D.C.
06/06 Invited Speaker, 7th International Rotavirus Symposium, Lisbon, Portugal.
06/06 Invited Speaker, Association of Academic Health Centers, Forum on Regulation; Clinical Trials Billing, Washington, D.C.
07/06 Invited Speaker, Interference Issues In Vaccination with Multivalent Live Attenuated Viral Vaccines: Myths and Realities, Annecy, France.
07/06 Invited Speaker, Fortieth Joint Working Conference on Viral Diseases, Sendai, Japan.
07/06 Organizer and Invited Speaker, Vaccines for Viral Infections in Developing Countries, Yokohama City, Japan.
09/06 Invited Participant, NIH, NIAID Blue Ribbon Panel on Influenza, Potomac, VA
09/06 Invited Speaker, Forum on Conflict of Interest, Cleveland, OH
09/06 Invited Speaker, IOM meeting on Intradisciplinary Research, Washington, D.C.
09/06 Invited Speaker, ICAAC Symposia on Vaccines, San Francisco, CA.
10/06 Invited Speaker, 9th International Symposium on Stranded RNA Viruses, Cape Town, South Africa.
10/06 Invited Speaker, Rediscovering B cells Symposia, Trudeau Institute, Saranac, New York
12/06 Invited Speaker, Northern California International Health Interest Group, Palo Alto, CA
12/06 Invited Speaker, Institute Pasteur Euro Conference, "Infections and Digestive Tract Disease", Paris, France.
01/07– Member, Forum on Conflict of Interest, AAMC
01/07 Invited Participant, AAMC Task Force on Industry Support for Education, Wash. D.C.
01/07 Invited Participant AAMC/AAU advisory committee on Conflict of Interest, Wash. D.C.
02/07 Invited Speaker "Rotavirus Pathogenesis" U.C. Davis, Davis, CA.
02/07 Invited Speaker, AAAS symposium "Pandemic Influenza" San Francisco, CA
02/07 Invited Speaker, "Rotavirus Pathogenesis", Loma Linda University, Loma Linda, CA
02/07-6/12 Member, IAVI Scientific Advisory Committee
03/07 Participant, Pfizer meeting on Conflict of Interest, San Francisco, CA.
04/07 Invited Speaker, Vaccines and Enteric Disease Conference, Lisbon, Portugal
05/07 Invited Speaker, "Influenza Vaccination" –Blood Research Institute, Milwaukee, WI
05/07 Recipient-AGA Mentors Award. AGA, Washington, DC.
07/07 Invited Speaker, 41st US-Japan Viral Disease Conference, Baltimore, MD
08/07 Invited Speaker, Palo alto Research Center (PARC), "Pandemic Influenza"
09/07 Invited Speaker, AAMC Forum on Conflict of Interest in Academe (FOCI Academe) Annual Meeting, Baltimore, MD
2007-2011 Member, National Academy of Science Standing Committee on DoD Biodefense
12/07 Invited Speaker, NIAID/FDA/WHO Workshop "Immune Correlates of Protection Against Influenza A Viruses", Bethesda, MD
02/08 Invited Speaker, AUTM meeting. Conflict of Interest, San Diego, CA
2008– Member, Electorate Nominating Committee of the Section of Medical Sciences, AAAS
03/08 Invited Speaker, Keystone Symposia, "HIV Vaccines: Progress and Prospects", Banff, Canada
05/08 Invited Speaker, Medimmune, Mountain View, CA
05/08 Invited Speaker, 42nd US Japan Meeting, Nagasaki, Japan
07/08 Invited Speaker, Medical Grand Rounds, Stanford, CA "Rotaviruses- an update"
07/08-07/09 President, American Society of Virology
11/08 Invited Lecturer, The Sidney Grossberg Lecture, Medical College of Wisconsin, "The New Rotavirus Vaccines: The Second Time is a Charm", Milwaukee, Wisconsin
11/08 Walter Albion Hewlett Awardee, Stanford University, Stanford, CA

11/08 Invited Speaker, Medical Grand Rounds, Stanford University, "Bench to Bedside & Back Again"
12/08 Ad Hoc Reviewer, Board of Scientific Counselors, Laboratory of Infectious Diseases, NIH, Bethesda, MD
03/09 Invited Participant, Conflict of Interest and Public Disclosure Meeting, Cleveland Clinic, Cleveland, OH
04/09 Invited Presentation, "COI: the Wild West and the Stanford Experience; the Clinical Research Forum, Washington, DC.
06/09 Invited Speaker, University of Michigan GI Research Conference, "Rotavirus Vaccines: Failure, Success and Why"Ann Arbor, MI
06/09 Plenary Speaker, Double Stranded RNA Meeting, Hamilton Island, Australia
06/09 Invited Speaker, AAMC/FOCIA Meeting on Conflict of Interest "Stanford in the Spotlight", Boston, MA
07/09 Invited Speaker, Society of Mucosal Immunology, "Rotavirus Vaccines" Boston, MA
07/09 Invited Speaker, 43rd US Japan Meeting, Philadelphia, PA
07/09– Member, Selection of Award for Distinguished Researcher Committee, Association of American Medical Colleges, Washington, DC
07/09– Member, Board of Scientific Counselors, Division of Intramural Research, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD
09/09– Chair, US Delegation to the Joint Working Group of the Indo-US Vaccine Action Program, NIH, Bethesda, MD
01/10 Invited Speaker, UC Davis Comparative Medicine Department, Davis, CA
01/10– Member, Forum of Drug Discovery, Development and Translation, Institute of Medicine of the National Academies
02/10– Fellowship in the American Academy of Microbiology, Washington, DC
02/10 Invited Discussant, Drug Development Forum, IOM, Washington, DC
03/10 Invited Speaker, UTMB Translational Research Symposium, Galveston, TX
03/10 Annual Honoree, The American Liver Foundation's Salute to Excellence, San Francisco, CA
03/10 Invited Speaker, Microbiology Department, Columbia University School of Medicine
03/10 Invited Speaker, Columbia University School of Medicine Symposia on Conflict of Interest
06/10 Co-Chair, Board of Scientific Counselors, Division of Intramural Research, National Institute of Allergy and Infectious Diseases, National Institutes of Health, Bethesda, MD
06/10 Invited Speaker, 44th US Japan Meeting, Sapporo, Japan
08/10 Invited Speaker, IOM Drug Discovery Forum, Conflict of Interest, Public Websites, Wash., DC
08/10 Organizer, Workshop on Oral Immunization of Children in Low Income Countries, Goa, India
09/10 Invited Speaker, Conference on Emerging Viral Infections in SE Asia, Hanoi, Vietnam
12/10 Invited Speaker, Human Immune Monitoring Consortium, Rockville, MD
04/11 Invited Speaker, 2nd European Expert Meeting on Rotavirus Vaccination, Padua, Italy
05/11 Invited Speaker, Diarrhea: A Worldwide Scourge: Digestive Disease Week 2011, Chicago, IL
05/11 Invited Speaker, Hilleman Lecture ASM, New Orleans, LA
06/11 Invited Speaker, US Japan Meeting, Stanford University, Stanford, CA
06/11 Moderator, IOM workshop on Public Engagement and Clinical Trials: New Models and Disruptive Technologies, New York, NY
09/11 Invited Speaker, 6th International Conference on Vaccines for Enteric Diseases, Cannes, France
10/11 Invited Speaker, 32nd annual AIM Educational conference, Anaheim, CA
02/12 Invited Keynote Speaker, Effect of Chronic Viral Infection on Outcomes in Solid Organ Transplantation Symposium, Stanford, CA
02/12–12/13 CTSA C4 External Advisory Board Member
04/12 Invited Speaker, Association of American Medical Colleges 2012 Forum on Conflict of Interest in Academe, Atlanta, GA
06/12 Invited Speaker, 46th US Japan Viral Disease Panel, Beppo, Japan.
09/12 Invited Convener and Speaker, INDO-US Vaccine Action Programme, Silver Jubilee Celebrations, New Delhi, India

09/12 Invited Speaker, Tenth International Rotavirus Symposium, Fulfilling the Promise of Rotavirus Vaccines, Bangkok, Thailand
10/12 Invited Speaker, UCSF Immunology Seminar Series, UCSF Parnassus, San Francisco, CA
11/12 Invited Speaker, 4th International PhD Workshop on Inflammation and Immunity, Vienna, Austria
12/12 Invited Speaker, 11th International Symposium on Double-Stranded RNA Viruses, San Juan, PR
01/13–12/13 CTSA CCEC Co-Chairman
02/13 Invited Speaker, University of Washington, Department of Microbiology, Seattle, WA
03/13 Invited Speaker, 47th annual US/Japan Meeting, Singapore
03/13 Invited Speaker, Rockefeller University, New York City, NY
05/13 Mt. Sanai School of Medicine Universal Influenza Vaccine External Advisory Board, NY
10/13 Invited Speaker, Rotavirus at 40, Emory University, Atlanta, Georgia
11/13 Invited Speaker, International Conference on Vaccines for Enteric Diseases, Bangkok, Thailand
04/14 Invited Speaker, UCSD CTSA Annual Retreat, San Diego, CA
05/14 Invited Consultant, PATH Conference on Universal Flu Vaccine, Geneva, Switzerland
05/14 Invited Speaker, International Symposium on Clinical and Translational Medicine, Shanghai, China
07/14 Invited Speaker, Rotavirus Vaccination and Intussusception Technical Meeting, PATH, Wash. DC
07/14 Invited Distinguished Speaker, Influenza Vaccination; BARDA; Wash DC
09/14 Invited Speaker, 11th International Rotavirus Symposium, New Delhi, India
09/14 Inaugural Member, Board of Visitors, School of Medicine, University of Alabama at Birmingham
09/14 Invited Speaker, NIH Workshop on Human Rotaviruses and Noroviruses, Wash. DC
10/14 Invited Consultant, UCSF CTSI External Advisory Board meeting, San Francisco, Ca
12/14 Member - Rotavac 5C Scientific Advisory Board (SAB)
12/14 Invited Consultant, Yale University CTSA, New Haven, Conn.
01/15 Invited Consultant, Scripps/CHAVI, La Jolla, Ca
01/15 Invited Speaker, EID and US/Japan Viral Disease Panel, Taipei, Taiwan
02/15 Invited Reviewer, THSTI-IAVI HIV Vaccine Design Program, New Delhi, India
2/15-2/16 Chair Elect, Section on Medical Sciences of the American Association for the Advancement of Science (AAAS)
2/16-2/17 Chair, Section on Medical Sciences of the American Association for the Advancement of Science (AAAS)
03/15 Invited Speaker, The Robert Chanock Memorial Lecture, NIH, Bethesda, Md.
05/15 Recipient of the Gold Medal Award from Columbia College of Physicians and Surgeons for Distinguished Achievements on Research
05/15 Invited Plenary Speaker, 6th European Rotavirus Biology Meeting (ERBM), Dijon, France
10/15 Invited Speaker, 12th International Double Stranded RNA Virus Symposium, Goa, India
12/15 Invited Speaker, MCB75 Symposium (From Molecules to Organisms), Bangalore, India
01/16 Invited Speaker, US-India Vaccine Action Program (VAP) Working Group Meeting, New Delhi India
03/16 Invited speaker, Rotavirus Immunity, Foundation Merieux Conference, France
04/16 UAB Board of Visitors, Birmingham, Alabama
05/16 Meeting participant, Indo/US VAP, New Delhi, India
07/16 Invited Speaker, Norovirus Vaccine Experts Meeting, Johns Hopkins University, Baltimore, MD
07/16 Invited Speaker, Mucosal Immunology Meeting, Toronto, Canada
09/16 Invited Speaker, Twelfth International Rotavirus Symposium, Melbourne, Australia
10/16 UAB Board of Visitors, Birmingham, Alabama
10/16 Invited Speaker, Symposium on Molecular Aspects of Virology, Mexico City, Mexico
10/16 Invited Speaker, US-Japan Virus Disease Panel Meeting, Sapporo, Japan
11/16 Member, Experts Consultancy Panel: Pediatric Vaccines for Respiratory Syncitial Virus, Washington DC
02/17 Panelist. Coulter Symposium: University Innovation-The Solution to 21st Century Healthcare Challenges, Ft Lauderdale, Florida
02/17 Chair, Medical Science Section Meeting, AAAS (American Association for the Advancement of Science) Annual Meeting, Boston, MA

06/17 Invited Speaker, European Rotavirus Biology Meeting (ERBM), Ireland
01/18 Invited Speaker, US-Japan Conference, China, 2018.
01/18 Invited Consultant, Columbia University Clinical and Translational Science Advisory Board, NYC
04/18 Invited Consultant, UCSD Clinical and Translational Science Advisory Board, San Diego, Ca

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