

**Perelman School of Medicine at
The University of Pennsylvania**

9/2020

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Education: 1969-73 B.S. Tufts University
1973-77 M.D. University of Maryland School of Medicine

Postgraduate Training and Fellowship Appointments:

1977-80 Intern and Resident in Pediatrics,
Children's Hospital of Pittsburgh, Pittsburgh

1980-82 Fellowship, Infectious Diseases, Children's Hospital of
Philadelphia, Philadelphia

Faculty Appointments:

1982-84 Instructor in Pediatrics, Department of Pediatrics,
University of Pennsylvania School of Medicine

1982-85 Research Investigator, The Wistar Institute of Anatomy and
Biology

1984-85 Clinical Assistant Professor in Pediatrics, Department of
Pediatrics, University of Pennsylvania School of Medicine

- 1985-87 Research Associate, Dept. of Medical Microbiology,
Stanford University School of Medicine
- 1986-87 Clinical Assistant Professor, Division of Pediatric
Infectious Diseases, Stanford University School of
Medicine
- 1987-92 Assistant Professor, Department of Pediatrics, The
University of Pennsylvania School of Medicine
- 1987-92 Assistant Professor, The Wistar Institute of Anatomy and
Biology
- 1992-00 Associate Professor, Department of Pediatrics
The University of Pennsylvania School of Medicine
- 1991- Adjunct Associate Professor, The Wistar Institute of
Anatomy and Biology
- 2000- Professor, Department of Pediatrics
The University of Pennsylvania School of Medicine

Hospital and Administrative Appointment:

- 1992-2014 Chief, Division of Infectious Diseases,
The Children's Hospital of Philadelphia
- 1992-present Chairman, Therapeutic Standards Committee
The Children's Hospital of Philadelphia

Specialty Certification:

- 1982 American Board of Pediatrics

Licensure: Pennsylvania and California

Awards, Honors, and Membership in Honorary Societies:

- 1977 J. Edmund Bradley Prize for Excellence in Pediatrics,
University of Maryland Medical School
- 1981 Fellow's Annual Teaching Award, The Children's Hospital
of Philadelphia

- 1988 Lederle Young Investigator Award in Vaccine Development
The University of Pennsylvania Research Foundation Award
- 1991 Research Achievement Award, The Children’s Hospital of Philadelphia
- 1997 Elected to the council of the Society of Pediatric Research
Recipient of the Werner and Gertrude Henle Chair in Pediatric Immunologic and Infectious Diseases at the Children’s Hospital of Philadelphia
- 1998 Elected to the Executive Committee of the Joseph Stokes, Jr. Research Institute
- 2001 “Excellence in Service” Award from the Delaware Valley Immunization Coalition
- 2003 Fellow, College of Physicians of Philadelphia
- 2004 Recipient of the Maurice R. Hilleman Chair in Vaccinology from the University of Pennsylvania School of Medicine
- 2006 John H. Erskine Lecture in Infectious Diseases, St. Jude Children’s Research Hospital
Jeryl Lynn Hilleman Lecture, CDC Foundation
Howard Mermelstein Lecture, Children’s Hospital of Pittsburgh
The Joseph W. Mountin Lecturer, CDC
Gold Medal Award from the Children’s Hospital of Philadelphia for the co-invention of RotaTeq
Jonas Salk Bronze Medal from the Association for Professionals in Infection Control and Epidemiology for the co-invention of RotaTeq
- 2007 Canon Ely Distinguished Professor, Boston Children’s Hospital

- 2008
- Stevens Distinguished Visiting Professor, LeBonheur Children's Hospital and the University of Tennessee Medical Center
- Stanley A. Plotkin Award for Outstanding Achievement in Vaccines, Pediatric Infectious Diseases Society
- 16th Annual Dorothy Horstmann Lecture, Yale University School of Medicine
- AMWA (American Medical Writers Association) Medical Book Award, Public/Healthcare Consumer Category for "Vaccinated: One Man's Quest to Defeat the World's Deadliest Diseases"
- Luigi Mastroianni Clinical Innovator Award, University of Pennsylvania School of Medicine for the co-invention of RotaTeq
- Saul Krugman Memorial Lectureship, "The Rotavirus Vaccine: From Bench to Bedside," New York University School of Medicine, New York, NY
- 2009
- Dr. Charles Mérieux Award for Achievement in Vaccinology and Immunology from the National Foundation for Infectious Diseases
- Humanitarian of the Year Award, National Meningitis Association
- William Osler Patient Oriented Research Award, University of Pennsylvania School of Medicine for the co-invention of the RotaTeq and for the creation of the Vaccine Education Center at the Children's Hospital of Philadelphia
- President's Certificate for Outstanding Service, American Academy of Pediatrics
- 2009 Fiser Lecturer, University of Arkansas Medical Sciences
- 16th Annual Frontiers in Vaccinology Lecture, Center for Vaccine Development, University of Maryland School of Medicine

- Honored by Bill and Melinda Gates at the Bill and Melinda Gates Foundation's Living Proof Project for Global Health
- 2010 37th Lori Haker Visiting Professor, Medical College of Wisconsin
- Ralph D. Feigin Award for Excellence, 2010, for "Outstanding Advocacy for Immunizations," Houston, TX
- Ashley Weech Visiting Professor, Children's Hospital of Cincinnati, Cincinnati, OH
- 35th Hattie Alexander Memorial Lecture, Columbia University College of Physicians and Surgeons, New York, NY
- Lawrence T. Taft Memorial Lecture, Robert Wood Johnson School of Medicine, New Brunswick, NJ
- 2011 Humanitarian of the Year Award, Biotechnology Industries Organization (BIO)
- David E. Rogers Award, American Association of Medical Colleges
- Odyssey Award, Center for Medicine in the Public Interest
- Board Member, The Franklin Institute
- Inducted into the Institute of Medicine of the National Academies
- 2012 Fellow, American Academy of Microbiology
- The CSL Behring Visiting Professor, A. I. Dupont Nemours Hospital for Children
- Distinguished Medical Achievement Award, The College of Physicians of Philadelphia
- Jonathan M. Mann Memorial Lecture, Council of State and Territorial Epidemiologists, Omaha, NE
- Drexel Medicine Prize in Translational Medicine, Drexel University College of Medicine

- Elected to the John Morgan Society, University of Pennsylvania
- 2013 Maxwell Finland Award for Scientific Achievement, National Foundation for Infectious Diseases
- 2013 Honor Award and Gold Key, Distinguished Alumnus Award, University of Maryland School of Medicine
- 2013 Innovators in Health Award, Group Health Foundation, Seattle, WA
- 2014 Visiting Professor, Department of Biology, University of Richmond, Richmond, VA
- Visiting Professor, Department of Biology, Haverford College, Philadelphia, PA
- 2014 Honoree, Autism Science Foundation, 5th Anniversary Celebration
- Robert P. Balles Prize in Critical Thinking, The Committee for Skeptical Inquiry and Skeptical Inquirer Magazine
- 7th Annual Sheldon C. Siegel Lectureship, Department of Pediatrics, UCLA School of Medicine
- 13th Annual Donald Schaffner Lecture, Children's Healthcare of Atlanta at Scottish Rite, Atlanta, GA
- Board of Trustees, College of Physicians of Philadelphia
- 2015 Elected to the American Association of Physicians
- Christian R. and Mary F. Lindback Award for Distinguished Teaching, University of Pennsylvania
- Elected to the American Academy of Arts and Sciences
- The Joseph B. Bilderback Lecture, Oregon Health and Science University, Portland, Oregon
- Fellow, Pediatric Infectious Diseases Society

Fellow, American Academy for the Advancement of Science

Eighth Annual Leo M. Evers Lecture, NYU-Langone Medical Center

2016

Franklin Founder Award, City of Philadelphia

Elected to the Executive Council, Committee for Skeptical Inquiry

Emil Stratton Lectureship, University of Oklahoma Health Sciences Center, Oklahoma City, OK

S. Rexford Kennamer Distinguished Lecture Series, University of Alabama at Birmingham, Montgomery Regional Medical Campus, Montgomery, AL

American Democracy Project Distinguished Speaker Series, SUNY Brockport, Brockport, NY

The Porter Prize, University of Pittsburgh School of Public Health

10th Annual Children's Hospital Distinguished Lecture, Children's Hospital of San Antonio

Jonathan E. Rhoads Medal for Distinguished Service to Medicine, The American Philosophical Society

2017

Defensor Scientiae Award, Philadelphia Association for Critical Thinking

Honorary Degree, Doctor of Science, The University of the Sciences in Philadelphia

Third Annual Julius Youngner Lectureship, University of Pittsburgh School of Medicine

Roselyn Payne Epps, MD Lecture in Pediatrics and Child Health, Howard University Hospital and School of Medicine

Harry Wollman Lecture, Department of Anesthesia, Perelman School of Medicine at the University of Pennsylvania

- Sixteenth J. Neal and Louis Middelkamp Lecture,
Washington University School of Medicine
- 2018 Joseph Wiley, MD Lectureship, Sinai Hospital, Baltimore,
MD
- Gold Medal, Sabin Vaccine Institute
- Alpha Omega Alpha Honor Society, University of
Maryland School of Medicine Beta Chapter
- Theodore R. Woodward Lecture, University of Maryland
School of Medicine
- Honorary Degree, Doctor of Humane Letters, Wagner Free
Institute of Science, Philadelphia, PA
- 35th Annual Louis Wannamaker Lecture, University of
Minnesota School of Medicine, Minneapolis, MN
- Robert R. Marshak Lecture, University of Pennsylvania
School of Veterinary Medicine, New Bolton Center,
Kennett Square, PA
- Commencement Speaker, Drexel University College of
Arts and Sciences, Philadelphia PA
- Fellow, International Society for Vaccines
- First Prize, BMA Medical Books Awards 2018: Public
Health, Plotkin's Vaccines, 7th Edition, presented to
Stanley A. Plotkin, Walter A. Orentstein, Paul A. Offit,
Kathryn M. Edwards, and Elsevier Inc.
- Gilbert B. Forbes Visiting Scholar, "Focus on Science,"
University of Rochester Medical Center, Rochester, NY
- Cheng Visiting Scholar, Honors College, University of
Missouri
- 2019 Sigma Lecturer, National Aeronautics and Space
Administration, Langley Research Center, Hampton, VA
- Melinda A. Pouncey Memorial Lectureship, Ochsner Clinic
Foundation, New Orleans, LA

John P. McGovern Award, American Medical Writers
Association

Membership in Professional and Scientific Societies:

National Societies:

American Society for Microbiology
American Society for the Advancement of Science
American Society for Virology
Union of Concerned Scientists
Society for Experimental Biology and Medicine
The American Association of Immunologists
Pediatric Infectious Disease Society
Society for Mucosal Immunology
The Society for Pediatric Research
American Gastroenterological Association
Fellow, American Academy of Pediatrics
International Society for Vaccines
Association for the Prudent Use of Antibiotics
The Institute for Science in Medicine, Fellow
GAVI Campaign, Board of Directors
American Pediatric Society

Local Societies:

Philadelphia Pediatric Society
Philadelphia County Medical Society
Philadelphia Childhood Immunization Coalition

National Scientific Committees:

Advisory Committee on Immunization Practices, Centers for
Disease Control and Prevention (1998-2003)
Allergy/Asthma Data Safety Monitoring Board, National Institutes
for Health, National Institute for Allergy and Infectious Diseases
(2005-present)
Vaccine-Related Biologicals Approval Committee, Food and Drug
Administration (2018-present)
NIH Advisory Committee on the Facilitation and Acceleration of
COVID-19 Technological Innovations and Vaccines (2020-
present)

Scientific Advisory Boards

Vical Corporation, San Diego, CA. (2001-2003)
Roy and Diana Vagelos Program in Life Sciences
Management, The University of Pennsylvania

Internal Advisory Board of the Penn Center for AIDS Research
Founding Advisory Board Member, Autism Science Foundation
Board of Trustees, American Council on Science and Health
(2010-2015)
Board of Trustees, The Franklin Institute
Advisory Board, Child Healthcare Is a Legal Duty, Inc.
Advisory Board, College of Physicians of Philadelphia
Advisory Board, Child Friendly Faith
Science Visiting Council, NOVA, WGBH, Boston, MA

Editorial Positions:

1987-1993 Editorial Board, **Proceedings of the Society for
Experimental Medicine and Biology**

1986-2001 Editorial Board, **Journal of Clinical Microbiology**

1990- Editorial Board, **Virology**

1999- Advisory Board, **Child Magazine**
Advisory Board, **PKIDS**
Advisory Board, **Immunization Action Coalition**

2003- Editorial Board, **Infectious Diseases in Children**

2004- Associate Editor, **Human Vaccines**

2005- Editorial Board, **Clinical and Diagnostic Laboratory
Immunology**

2006 Advisory Board, **Every Child By Two**
Advisory Board, **American Council on Science and
Health**

2007 Advisory Board, **American Baby Magazine**

2017 Weekly columnist, **The Daily Beast**

2018 Regular contributor, **Philadelphia Inquirer**

Academic Committees at The University of Pennsylvania:

1989- Member, Immunology Graduate Group
Member, Molecular Biology Graduate Group

2005- Member, Graduate Program in Public Health Studies

2006- Member, Cell and Molecular Biology Graduate Group
2008- Co-Director, The Center for Vaccine Ethics and Policy, a program of the Center for Bioethics, University of Pennsylvania, The Wistar Institute, and The Children's Hospital of Philadelphia

Major Teaching and Clinical Responsibilities at The University of Pennsylvania:

Attending Rounds in Infectious Diseases, The Children's Hospital of Philadelphia, 2 months per year

Co-Director, Rotavirus Vaccine Program, The Children's Hospital of Philadelphia

Course Director, Pediatric Infectious Diseases, The Children's Hospital of Philadelphia

Teaching faculty, Mechanisms of Infection (ID 202) and Microbiology 100 (Vaccines), The University of Pennsylvania School of Medicine

Teaching faculty, Immunobiology 404, 505, 506, 508 and 510 The University of Pennsylvania, Department of Biology, Bioethics 572 001, Bioethics Department, The University of Pennsylvania

Co-Director, Immunology and Cell and Molecular Biology 609 (Vaccines and Immunotherapeutics), The University of Pennsylvania

Director, Vaccine Education Center Annual Symposium Series, 2001, 2002, 2003, 2004, 2007, 2008, 2010

Principal Investigator of Grants:

The study of rotaviruses with monoclonal antibodies, Individual National Research Service Award, F32 AI 06733, **The National Institutes of Health**, 1982-1984, \$36,000.

Immune protection against rotavirus infection, New Investigator Research Award, 1 R23 AI 21065, **The National Institutes of Health**, 1984-1987, \$107,000

Protection against viral enteritis by intestinal CTLs, Biomedical Research Service Award, RR 05506-26, **The Children's Hospital of Philadelphia**, 1987-1989, \$50,000.

Protection against viral enteritis by intestinal CTLs, The Thomas B. and Jeanette E. Laws McCabe Fund, #60888, **The University of Pennsylvania School of Medicine**, 1987-1989, \$14,000.

Protection against viral enteritis by intestinal CTLs, The University of Pennsylvania Research Foundation Award, **The University of Pennsylvania School of Medicine**, 1988-1989, \$18,000.

Modification of rotavirus virulence by genetic reassortment, The Lederle Young Investigator Award in Vaccine Development, **The Infectious Disease Society of America**, 1988-1990, \$60,000.

Protection against enteric infection by intestinal CTLs, **Research Career Development Award**, 1 K04 AIDK00889-01 VR, **The National Institutes of Health**, 1989-94, \$300,000.

Protection against enteric infection by intestinal CTLs, R01 AI26251-01, **The National Institutes of Health**, 1990-95, \$552,290.

Rotavirus-specific cellular immune response after natural infection or immunization, **Thrasher Research Fund**, 1993-95, \$84,168.

Enhancement of rotavirus vaccine immunogenicity, **World Health Organization**, 1995-97, \$46,000.

Enhancement of viral immunogenicity by microencapsulation, R01 AI26251-06-10, **The National Institutes of Health**, 1995-2000, \$980,350.

Enhancement of bovine herpes virus glycoprotein immunogenicity by microencapsulation, **Pfizer Laboratories**, 1996-1997, \$62,500.

Enhancement of influenza virus and avian poxvirus-HIV recombinant immunogenicity by microencapsulation, **Pasteur-Merieux Serum et Vaccin**, 1996-1997, \$230,000.

Enhancement of an E. coli fimbrial protein (F11) immunogenicity by microencapsulation, **Intervet Laboratories**, 1996-1997, \$12,000.

Enhancement of canine parvovirus and feline leukemia virus immunogenicity by aqueous-based microencapsulation, **Heska Laboratories**, 1996-1997, \$62,000.

Enhancing mucosal immune responses by microencapsulation, R01 AI26251-11-15, **The National Institutes of Health**, 2000-2005, \$1,250,000.

Lectures by Invitation (past three years):

2017 **Invited Speaker**, “Confronting Vaccine Resistance,” NYU/Langone School of Medicine, New York, NY

Invited Speaker, “The Opioid Epidemic: An Example of Medical Hubris,” Philomathean Society, University of Pennsylvania, Philadelphia, PA

Invited Speaker, “Communicating Science to the Public,” Philadelphia Undergraduate Health Symposium, Philadelphia, PA

Invited Speaker, “The Opioid Epidemic: Learning from the Past,” Association of Immunization Managers Leadership in Action Conference, Charleston, SC

Invited Speaker, “Vaccines and Public Perception,” Center for Vaccine Development, University of Maryland School of Medicine, Baltimore, MD

Invited Speaker, Grand Rounds, “HPV Vaccine and Chronic Disease,” Health Resources and Service Administration, Division of Injury Compensation Programs, Rockville, MD

Invited Speaker, Clinical Vaccinology Course, National Foundation of Infectious Diseases, “Using Vaccine Safety Data to Communicate Effectively,” Chicago, IL

Invited Speaker, 24th Annual Distinguished Lecture Series, Department of Biology, Chestnut Hill College, “How to Communicate Science to the Public—Or Die Trying,” Germantown, PA

Invited Speaker, 37th Annual Birdsong Pediatric Conference, University of Virginia School of Medicine, “Coping with Vaccine Refusal in the Office,” Charlottesville, VA

Invited Speaker, Congressional Briefing Sponsored by the American Society for Microbiology, Senate Committee on Health, Education, Labor, and Pensions, “How to Make a Safe and Effective Vaccine: The Rotavirus Story,” Dirksen Senate Office Building, Washington, DC

Invited Speaker, Iowa Immunization Conference, “Common Immunization Questions and Effective Parent Communication,” Des Moines, IA

Invited Speaker, 9th Annual Fleming Infection Prevention and Infectious Diseases Symposium, “Pandora’s Lab: Seven Stories of Science Gone Wrong,” Lehigh Valley Health Network, Macungie, PA

Invited Speaker, American Academy of Pediatrics National Conference and Exhibition, “Are Vaccines Safe?” Chicago, IL

Invited Speaker, Bi-State Infectious Disease Conference, “Talking to Parents About Vaccines,” St. Louis, MO

Invited Speaker, Clarke Forum for Contemporary Issues, “The Vaccine-Autism Controversy,” Dickinson College, Carlisle, PA

Invited Speaker, Fall Clinical Vaccinology Course, National Foundation of Infectious Diseases, “Using Vaccine Safety Data to Communicate Effectively,” Bethesda, MD

Invited Speaker, “Vaccines and Immunity: Examining Modern Medicine,” The Atlantic, “Translating Science to the Public,” Philadelphia, PA

Invited Speaker, “Vaccine Safety Issues: The Real Ones,” 20th Annual Frontiers in Pediatrics, Medical University of South Carolina, Charleston, SC

2018

Invited Speaker, “Vaccine Safety Issues: The Real Ones,” Pathology and Laboratory Medicine Grand Rounds, Perelman School of Medicine at The University of Pennsylvania, Philadelphia, PA

Invited Speaker, “The Sense and Nonsense of Alternative Medicine,” Temple University Surgery Grand Rounds, Philadelphia, PA

Invited Speaker, “How to Communicate Science—Or Die Trying,” Wayne State College of Medicine, Detroit, MI

Invited Speaker, “Clinical Development of Vaccines: From Manufacture to Vaccination,” Greek Pediatric Society, Thessaloniki, Greece (by Skype)

Invited Speaker, “Pandora’s Lab,” College of Physicians and Surgeons, Philadelphia, PA

Invited Speaker, “Rotavirus Vaccine: From Bench to Bedside,” Broad Institute, Boston, MA

Invited Speaker, “Rotavirus Vaccine: From Bench to Bedside,” Symposium on Intestinal Infection and Immunity, University of Pennsylvania, Philadelphia, PA

Invited Speaker, “The Science of Vaccines: Your Questions Answered,” National Science Teachers Association Annual Meeting, Atlanta, GA

Invited Speaker, “The Vaccine Wars,” 2018 Penn Teach-In, University of Pennsylvania, Philadelphia, PA

Invited Speaker, “Communicating Science to the Public,” Swarthmore College, Swarthmore, PA

Invited Speaker, “Challenges of Communicating Vaccine Science to the Public,” Saint Peters University Hospital, New Brunswick, NJ

Invited Speaker, “Lobotomies, Race Purification, and Other Stories of Science Gone Wrong,” Medical Libraries Association, Pennsylvania Hospital, Philadelphia, PA

Invited Speaker, “Standing Up for Vaccines,” Bucks County Department of Health, Richboro, PA

Invited Speaker, “How to Communicate Science to the Public—Or Die Trying,” Grand Rounds, Levine Children’s Hospital, Carolina Health System, Charlotte, NC

Invited Speaker, Finger Lakes Immunization Conference and Western New York Immunization Conference, “Communicating Science to the Public,” Geneva, New York, and Buffalo, New York.

Invited Speaker, 2018 New Jersey Immunization Conference, “How to Communicate Science to the Public—Or Die Trying,” Rutgers University, Piscataway Township, NJ

Invited Speaker, World Health Organization, Vaccine Safety Net, “Educating the Next Generation of Parents,” Annecy, France (by WebEx)

Invited Speaker, Partnership for Maternal and Child Health, “How to Communicate Science to the Public,” Newark, NJ

Invited Speaker, Philadelphia Free Library Author Event, “Bad Advice: Or Why Celebrities, Politicians, and Activists Aren’t Your Best Source of Health Information,” Philadelphia, PA

Invited Speaker, International Cultic Studies Association, “Martyring Children of Faith: The Medical, Legal, and Ethical Ramifications of Religious Child Medical Neglect,” Philadelphia, PA

Invited Speaker, Mount Sinai Hospital, Grand Rounds, “Communicating Science to the Public,” New York, NY

Invited Speaker, Chester County Immunization Coalition,
“Communicating Science to the Public,” Downingtown, PA

Invited Speaker, College of Physicians and Surgeons, “Bad Advice: Or Why Celebrities, Politicians, and Activists Aren’t Your Best Source of Health Information,” Philadelphia, PA

Invited Speaker, 36th Annual A Day in Pediatrics: Infectious Diseases,
“Communicating Science to the Public,” Reading Hospital, Reading, PA

Invited Speaker, Center for Skeptical Inquiry (CSI.Con),
“Communicating Vaccine Science: Adventures and Misadventures in the Media,” Las Vegas, NV

Invited Speaker, National Press Club, “Bad Faith: Or Why Celebrities, Politicians, and Activists Aren’t Your Best Source of Health Advice,”
Book event moderated by NPR’s Alison Kodjak, Washington, DC

Invited Speaker, American Academy for the Advancement of Science,
“The Challenges to Communicating Science to the Public,” Washington, DC

Invited Speaker, National Foundation for Infectious Diseases, “Using Vaccine Safety Data to Communicate Effectively,” Washington, DC

Invited Speaker, 4th International Conference on Vaccines Research and Development, “Communicating Vaccine Science to the Public,”
Baltimore, MD

Invited Speaker, “How to Communicate Science to the Public or Die Trying,” West Virginia University Medical Center, Morgantown, WV

2019 **Invited Speaker**, “The Strange History of Vaccine Exemptions in the United States,” Brown University School of Medicine, Providence, RI

Invited Speaker, “The Challenges of Communicating Science to the Public,” Lockheed Martin Advanced Technology Laboratories, Cherry Hill, NJ

Invited Speaker, “How to Communicate Science to the Public,” 33rd Annual Advances in the Practice of Pediatrics Conference,” San Diego, CA

Invited Speaker, “Advocating for Cultural Controversies: Impact Your Classrooms and Communities,” National Science Teachers Association Annual Meeting, St. Louis, MO

Invited Speaker, “Communicating Science to the Public,” Grand Rounds, University of Maryland School of Medicine, Baltimore, MD

Invited Speaker, “Efforts to Improve Childhood Vaccinations,” Association of Health Care Journalists Annual Meeting, Baltimore, MD

Invited Speaker, “How to Communicate Vaccine Science to Legislators,” Pennsylvania Chapter of the American Academy of Pediatrics, Harrisburg, PA

Invited Speaker, “The Vaccine Wars,” Montgomery County Immunization Coalition, Norristown, PA

Invited Speaker, “In Defense of Fever,” NJAAP Annual Conference and Exhibition, Somerset, NJ

Invited Speaker, “Real Vaccine Safety Issues,” The Wellcome Trust, London, England

Invited Speaker, “Combatting Misinformation About Vaccines,” National Vaccine Advisory Committee, Washington, DC

Invited Speaker, “The Vaccine Wars,” Association for Professionals in Infection Control and Epidemiology, Philadelphia, PA

Invited Speaker, “How to Get Published and Find Your Audience,” Telling Your Health Story, Philadelphia Inquirer, Philadelphia, PA

Invited Speaker, “The Loss of Herd Immunity: Implications of the Anti-Vax Movement on Children and Young Adults,” New Frontiers in Allergy, Immunology and Infectious Diseases: Guidance for Primary Care, The Children’s Hospital of Philadelphia, Philadelphia, PA

Invited Speaker, “Reluctant Advocacy,” American Medical Writers Association Annual Meeting, San Diego, CA

Invited Speaker, “Heroes from the Field,” Reaching the Last Mile Forum, Crown Prince Court, Abu Dhabi, United Arab Emirates

Invited Speaker, “How to Communicate Science to the Public—Or Die Trying,” 23rd Annual Conference of the Japanese Society for Vaccinology, Tokyo, Japan

Invited Speaker, “The Vaccine Wars,” Grand Rounds, Maimonides Children’s Hospital, Brooklyn, NY

2020

Invited Speaker, “Developing a SARS-CoV-2 Vaccine,” American Academy of Dermatology, Los Angeles, CA

Invited Speaker, “Path to a SARS-CoV-2 Vaccine,” University of Pennsylvania, Philadelphia, PA

Invited Speaker, “Developing a SARS-CoV-2 Vaccine and Warp Speed,” California Chapter of the American Academy of Pediatrics, Orange County, CA

Invited Speaker, “Developing a SARS-CoV-2 Vaccine,” National Medical Association Annual Convention and Scientific Assembly, Atlanta, GA

Invited Speaker, “Vaccine Hesitancy During the COVID-19 Pandemic,” American Board of Internal Medicine, Philadelphia, PA

Invited Speaker, “2020 National Press Foundation Vaccine Boot Camp,” National Press Foundation, Washington, DC

Invited Speaker, “Developing a COVID-19 Vaccine at Warp Speed,” Pennsylvania Chapter of the American Academy of Pediatrics, Philadelphia, PA

Invited Speaker, “Developing a COVID-19 Vaccine at Warp Speed,” Center for Skeptical Inquiry, Las Vegas, NV

Invited Speaker, “What to Expect from a COVID-19 Vaccine,” Region Three State Health Officials, Department of Health and Human Services, Washington, DC

Invited Speaker, “COVID-19 Vaccine Development,” Network for Excellence in Health Innovation,” Boston, MA (virtual)

Invited Speaker, “Developing a SARS-CoV-2 Vaccine at Warp Speed,” Philadelphia Neurological Society, Philadelphia, PA (virtual)

Invited Speaker, “Vaccine Development: Are We at a Turning Point?” Research America, Washington, DC (virtual)

Publications

Original Papers

1. Offit, P.A., G.B. Fleischer, N. Koven, and S.A. Plotkin. 1981. Severe pneumonia in Epstein-Barr virus infection. **J. Adol. Health Care** 2: 121-125.
2. Offit, P.A., J. Campos, and S.A. Plotkin. 1982. Ampicillin-resistant, beta-lactamase negative, *Haemophilus influenzae* type b. **Pediatrics** 69: 230-232.
3. Offit, P.A., S. Starr, P. Zolnick, and S.A. Plotkin. 1982. Acyclovir treatment in neonatal herpes simplex virus infection. **Ped. Infect. Dis.** 1: 253-255.
4. Offit, P.A., H.F. Clark, W.G. Stroop, E.M. Twist, and S.A. Plotkin. 1983. The cultivation of human rotavirus, strain 'WA', to high titer in cell culture and characterization of the viral structural polypeptides. **J. Virol. Methods** 7: 29-40.
5. Offit, P.A., H.F. Clark, and S.A. Plotkin. 1983. Experimental analysis of the immune response to rotaviruses of bovine or primate origin assessed by radioimmunoassay, radioimmunoprecipitation, and plaque-reduction neutralization. **Infect. Immun.** 42: 293-300.
6. Offit, P.A., Clark, H.F., M. Kornstein, and S.A. Plotkin. 1984. A murine model for oral infection with a primate rotavirus (simian strain SA-11). **J. Virol.** 51: 233-236.
7. Offit, P.A., H.F. Clark, A.H. Taylor, R.G. Hess, P.A. Bachman, and S.A. Plotkin. 1984. Rotavirus-specific antibodies in fetal bovine serum and commercial preparations of serum albumin. **J. Clin. Microbiol.** 20: 266-270.
8. Offit, P.A., and H.F. Clark. 1985. Protection against rotavirus-induced gastroenteritis in a murine model by passively-acquired gastrointestinal but not circulating antibodies. **J. Virol.** 54: 58-64.
9. Offit, P.A., and H.F. Clark. 1985. Maternal antibody-mediated protection against gastroenteritis due to rotavirus in neonatal mice is dependent on both serotype and titer of antibody. **J. Infect. Dis.** 152: 1152-1158.
10. Offit, P.A., G. Blavat, H.B. Greenberg, and H.F. Clark. 1986. Molecular basis of rotavirus virulence: role of gene segment 4. **J. Virol.** 57: 46-49.
11. Offit, P.A., and G. Blavat. 1986. Identification of the two rotavirus genes determining neutralization specificities. **J. Virol.** 57: 376-378.
12. Offit, P.A., R. Shaw, and H.B. Greenberg. 1986. Protection against rotavirus-induced gastroenteritis in newborn mice by monoclonal antibodies to surface proteins vp3 and vp7. **J. Virol.** 58: 700-703.
13. Clark, H.F., P.A. Offit, K.T. Dolan, A. Tezza, K. Gogalin, E.M. Twist, and S.A. Plotkin. 1986. Response of adult human volunteers to oral administration of bovine and bovine/human reassortant rotaviruses. **Vaccine** 4: 25-31.

14. Clark, H.F., P.A. Offit, K. Dolan, T. Furukawa, L. Bell, and S.A. Plotkin. 1985. Rotavirus (RV) of bovine and human origin: immune response of adults and children following oral administration. **Pediatr. Res.** 19: 290 A.
15. Clark, H.F., T. Furukawa, L.M. Bell, P.A. Offit, P.A. Parrella, and S.A. Plotkin. 1986. Immune response of infants and children to low-passage bovine rotavirus (strain WC-3). **Am J. Dis. Child.** 140:350-356.
16. Shaw, R.D., T.V. Phuoc, P.A. Offit, B.S. Coulson, and H.B. Greenberg. 1986. Antigenic mapping of the surface proteins of rhesus rotavirus. **Virology** 155: 434-451.
17. Offit, P.A., G. Blavat, H.F. Clark, and H.B. Greenberg. 1986. Reassortant rotaviruses containing structural proteins vp3 and vp7 from different parents induce antibodies protective against each parental serotype. **J. Virol.** 60: 491-496.
18. Bell, L.M., H.F. Clark, P.A. Offit, P.H. Slight, A.M. Arbeter, and S.A. Plotkin. 1987. Rotavirus serotype-specific neutralizing activity in human milk. **Am. J. Dis. Child.** 142: 275-278.
19. Bell, L.M., H.F. Clark, E.A. O'Brien, M.J. Kornstein, S.A. Plotkin, and P.A. Offit. 1987. Gastroenteritis caused by human rotaviruses (serotype 3) in a suckling mouse model. **Proc. Soc. Exp. Biol. Med.** 184: 127-132.
20. Clark, H.F., Y. Hoshino, L.M. Bell, J. Groff, P. Bachman, and P.A. Offit. 1987. A rotavirus isolate WI61 representing a presumptive new human serotype. **J. Clin. Microbiol.** 25: 1757-1762.
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