

CURRICULUM VITAE
Justin R. Ortiz, MD, MS
Professor, Department of Medicine
University of Maryland School of Medicine

DATE July 16, 2024

CONTACT

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Foreign Languages: Spanish (working knowledge), French (basic), Tongan (basic)

EDUCATION

1991-1995 Bachelor of Arts in English Literature, Dartmouth College

1995-1996 Non-degree post baccalaureate year, Colorado State University

1997-2002 Doctor of Medicine, University of California San Francisco (UCSF) School of
Medicine

2008-2012 Master of Science in Epidemiology, University of Washington (UW) School of
Public Health

2011 Certificate in Vaccinology, ADVAC Advanced Course of Vaccinology, Fondation
Mérieux and University of Geneva

POSTGRADUATE TRAINING

2002-2003 Internship, Categorical Internal Medicine, UCSF Department of Medicine

2003-2005 Residency, Categorical Internal Medicine, UCSF Department of Medicine

2005-2007 Epidemic Intelligence Service Officer, Influenza Division Centers for Disease
Control and Prevention (CDC)

2007-2008 Clinical Fellowship, Pulmonary and Critical Care Medicine, UW Department of
Medicine

2008-2010 Research Fellowship, Pulmonary and Critical Care Medicine, UW Department of
Medicine

CERTIFICATIONS

2005 Diplomat, American Board of Internal Medicine (Internal Medicine)

2010 Diplomat, American Board of Internal Medicine (Pulmonary Medicine)
Recertification 2023-2033

2011 Diplomat, American Board of Internal Medicine (Critical Care Medicine)

MEDICAL LICENSURE

2003 California (inactive)

2007 Washington (inactive)

2016 Colorado (inactive)
2017 Maryland (active)

EMPLOYMENT HISTORY

Academic appointments

2010-2011 Acting Instructor of Medicine, Department of Medicine, UW, Seattle, WA
2011-2014 Assistant Professor of Medicine, Department of Medicine, UW, Seattle, WA
2012-2014 Assistant Professor of Global Health, Department of Global Health, UW, Seattle, WA
2014-2018 Affiliate Assistant Professor of Medicine, Department of Medicine, UW, Seattle, WA
2014-2019 Affiliate Assistant Professor of Global Health, Department of Global Health, UW, Seattle, WA
2019-2020 Affiliate Associate Professor of Global Health, Department of Global Health, UW, Seattle, WA
2017-2021 Associate Professor, Department of Medicine, UMSOM, Baltimore, MD
2021-present Professor, Department of Medicine, UMSOM, Baltimore, MD

Other employment

1996-1997 AmeriCorps Vista Volunteer, San Luis Valley Christian Community Services, Alamosa, CO
2009 Consulting Scientist, Global Influenza Programme, World Health Organization (WHO), Geneva, Switzerland
2009-2010 Part-time physician, Swedish Hospital, Seattle, WA
2009-2013 Clinical Research Scientist, PATH, Seattle, WA
2014-2017 Medical Officer (P5 Rank), Initiative for Vaccine Research, WHO, Geneva, Switzerland
2019-2023 Consulting Scientist, Vanderbilt University School of Medicine, Nashville, TN
2021-2023 Consulting Scientist, UW School of Medicine, Seattle, WA

HONORS AND AWARDS

1995 C. Everett Koop Institute Primary Care Apprentice, Dartmouth Medical School
1996 Ronald E. McNair Post baccalaureate Achievement Program, Colorado State University
1996 Leadership Alliance Summer Research Early Identification Program, Brown University
1997 National Medical Fellowships Scholar, UCSF School of Medicine
1998 National Health Service Corps Primary Care Scholarship, UCSF School of Medicine
1999 University of Colorado Rural Multidisciplinary Scholarship, University of Colorado School of Medicine
2001 Arthur Ashe Program in AIDS Care, National Medical Fellowships, Harvard Medical School
2001 French American Foundation for Medical Research and Education Scholarship, UCSF School of Medicine

- 2004 Resident Teaching Fellowship, UCSF School of Medicine
- 2005 Nominated HHS Distinguished Secretary's Award for Katrina/Rita/Wilma Hurricane Response, CDC
- 2007 Silo Busters Honor Award, for effective inter-agency collaboration in response to the global threat of avian influenza (H5N1). National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention, CDC
- 2009 Travel Grant, Annual Meeting of Infectious Diseases Society of America on Seasonal and Pandemic Influenza
- 2009 Scholarship, Summer Institute in Statistics and Modeling in Infectious Diseases, UW
- 2009 Lakshminarayan Fellow Fund Endowment Award, UW Division of Pulmonary and Critical Care Medicine (declined)
- 2009 John B. Coombs Research Award, UW Housestaff Association
- 2009-2011 Early Career Award, Thrasher Research Fund
- 2010 Minority Trainee Development Scholarship, American Thoracic Society
- 2010 UW Provost's Minority Faculty Recruitment Award
- 2010-2014 Harold Amos Medical Faculty Development Award, Robert Wood Johnson Foundation
- 2011 National Foundation for Infectious Diseases, Advanced Course of Vaccinology Scholarship
- 2015 American Thoracic Society Innovation in Fellowship Education Award for the creation of a Global Health Pathway at the UW Pulmonary and Critical Care Fellowship Training Program
- 2017 2016 Articles of the Year, American Journal of Epidemiology, and the Society for Epidemiologic Research, "Detectable Risks in Studies of the Fetal Benefits of Maternal Influenza Vaccination" (Bibliography: Article #37)
- 2020 Faculty Teacher of the Year, Division of Geographic Medicine, UMSOM
- 2021 University of Maryland, Baltimore Champion of Excellence Award for yeoman efforts to combat the SARS-CoV-2 virus awarded to the UMB Center for Vaccine Development and Global Health (CVD) faculty and staff.
- 2023 UMSOM Clinical Research Article of the Year, "A Multi-Center, Controlled Human Infection Study of Influenza A (H1N1)pdm09 in Healthy Adults" (Bibliography: Article #137)

CLINICAL ACTIVITIES

- 2009-2010 Part-time intensivist, Swedish Hospital, Medical Intensive Care Unit, Seattle, WA
- 2009-2010 Part-time tuberculosis care provider, Public Health Seattle King County Tuberculosis Clinic, Seattle, WA
- 2010-2013 Attending physician, Medical Intensive Care Unit (MICU), UW Medical Center, Seattle, WA (8 weeks / year)
- 2010-2013 Attending physician, Pulmonary and Critical Care Medicine, Seattle Cancer Care Alliance (SCCA), Seattle, WA (8 weeks / year)
- 2018-2020 Attending physician, Travel Health Clinic, University of Maryland Medical Center, Baltimore, MD (2-4 clinics/month)

PROFESSIONAL ORGANIZATIONS

- 2007-present Fellow, American College of Physicians (elected fellow 2011)
2007-2014 Member, National Hispanic Medical Association
2008-present Member, American Thoracic Society
2008-2013 Member, Pan-African Thoracic Society
2009-present Fellow, American College of Chest Physicians (elected fellow 2012)
2010- present Member, International Society for Influenza and other Respiratory Virus Diseases

ADMINISTRATIVE SERVICE

Institutional service

UW School of Medicine

- 2010-2014 Organizing Committee Member, Global Health Pathway at the UW Pulmonary and Critical Care Fellowship Training Program UW, Seattle, WA
2011-2014 Associate Director and Founding Member, International Respiratory and Severe Illness Center (INTERSECT), UW, Seattle, WA

UMSOM

- 2017-present Annual Title IX and Non-Discrimination Training (UMB)
2017-present Everyday Bias for Healthcare Professionals (UMSOM)
2017-present FPI Annual Compliance Awareness Training for Physicians and Providers
2018 Member, CVD Assistant Professor Faculty Search Committee
2018 Member, Meagan Fitzpatrick K01 Advisory Committee
2018-2019 Scientific Advisory Committee, Frontiers in Vaccinology Conference. UMSOM
2019-present Vaccinology post-doctoral fellowship (T32) interviewer, UMSOM
2019-2022 Organizer, CVD Influenza Interest Group
2020-2022 Organizer, CVD/Department of Microbiology and Immunology COVID-19 Journal Club
2019-present Internal Medicine Residency Interviewer, UMSOM
2020-2024 Co-Director, UMSOM, Collaborative Influenza Vaccine Innovation Centers Clinical Core
2023 Unconscious Bias for Healthcare Professionals (UMSOM)
2023 CVD Awards Committee
2024-present Director, UMSOM, Collaborative Influenza Vaccine Innovation Centers Clinical Core

Local service

- 2010-2013 American College of Physicians and Washington State Medical Association Representative to the Vaccine Advisory Committee, Washington State Department of Health
2011-2013 Liaison Member, Executive Council, Washington Chapter American College of Physicians
2013 Organizing Committee Member, World Pneumonia Day Commemoration, Seattle WA

National service

- 2005 Team Member, Mental health needs assessment in Louisiana evacuation centers. Hurricane Katrina Emergency Response. CDC, Mississippi and Louisiana, USA
- 2007 Expert Consultant, Council of State and Territorial Epidemiologists Avian Influenza Rapid Response Training, Multiple Sites, USA
- 2007 Writing Committee Member, Council of State and Territorial Epidemiologists. The Role of Public Health in a Multi-Agency Response to Avian Influenza in the United States
- 2009-2010 Member, International Lung Health Committee, American Thoracic Society
- 2010 Expert Consultant, CDC, Consultation on Pandemic Impact and Severity, Atlanta, GA, USA
- 2012 Grant Reviewer, CDC Special Emphasis Panel: "The Incidence of Community Associated Influenza and other Respiratory Infections in the United States (U01)". National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention, Atlanta, GA, USA
- 2018-2022 Writing Committee Member, CDC, the National Institutes of Health, and the HIV Medicine Association of the Infectious Diseases Society of America. Guidelines for the prevention and treatment of opportunistic infections in HIV-infected adults and adolescents.
- 2019-2022 Independent Safety Monitor, National Institute of Allergy and Infectious Diseases (NIAID). Division of Microbiology and Infectious Diseases (DMID). Protocol: 12-0100. A Phase I, Randomized Trial to Assess the Safety, Reactogenicity, and Immunogenicity of a Combination HTNV and PUUV DNA Vaccine Candidate Administered by Electroporation.
- 2019-2020 Independent Safety Monitor, PATH - Pharmaron Clinical Research. A Phase 2a Randomized, Single-Center, Double-Blind, Placebo Controlled Study to Evaluate the Safety and Preliminary Efficacy of Oral iOWH032 Against Cholera Diarrhea in a Controlled Human Infection Mode.
- 2020-2022 Member, Respiratory Expert Working Group. NIAID Infectious Diseases Clinical Research Consortium
- 2020-2021 Member, Adaptive COVID-19 Treatment Trial Data Use Working Group
- 2020-2023 Independent Safety Monitor, US Army Medical Research and Development Command (USAMRDC). Protocol: DMID 12-0100. A Phase 1, Open-Label Clinical Trial with Dengue-1-Virus Live Virus Human Challenge (DENV-1-LVHC) Assessment of Healthy U.S. Adults Previously Primed with Tetravalent Dengue Virus Purified Inactivated Vaccine (TDEN-PIV) and Boosted with Tetravalent Dengue Virus Live Attenuated Vaccine Formulation (TDEN LAV).
- 2020-2022 Member, NIH Human Epidemiology and Response to SARS-CoV-2 (HEROS) External Scientific Advisory Group

International service (general membership)

- 2006-present Ad hoc Reviewer, 6-8 manuscripts annually for peer-reviewed journals.
- 2006 Expert Consultant, Avian Influenza A (H5N1) Outbreak Alert and Response, African Regional Office of the WHO, Abuja, Nigeria
- 2006 Writing Committee Member, Seasonal and Novel Influenza Surveillance, Pan American Health Organization, Washington, DC, USA

- 2007 Expert Consultant, Seasonal and Novel Influenza Surveillance, Pan American Health Organization, Washington DC, USA
- 2007 Expert Consultant, Seasonal and Novel Influenza Surveillance, Pan American Health Organization, Mar del Plata, Argentina
- 2007 Expert Consultant, Seasonal and Novel Influenza Surveillance, Pan American Health Organization, Lima, Peru
- 2009 Expert Consultant, WHO Pandemic Influenza A (H1N1) Clinical Consultation, Washington DC, USA
- 2009-2013 Member, WHO Critical Care Working Group for Limited-Resource Settings, Geneva, Switzerland
- 2009 Expert Consultant, WHO Consultation on Public Health Research Agenda for Influenza, Geneva, Switzerland
- 2009 Expert Consultant, European Regional Office of the WHO (EURO) Pandemic Influenza A (H1N1), Copenhagen, Denmark
- 2010-2013 Member, WHO Influenza Epidemiological Working Group, Geneva, Switzerland
- 2010 Expert Consultant, WHO Consultation on Clinical Management of Influenza and Other Acute Respiratory Illness in Resource-Limited Settings, Geneva, Switzerland
- 2010-2012 Writing Committee, WHO Global Influenza Surveillance Manual Revision, Geneva, Switzerland
- 2011 Expert Consultant, WHO Consultation on Global Tools and Manual for Influenza Surveillance, Geneva, Switzerland
- 2011 Meeting Rapporteur, Bill and Melinda Gates Foundation Global Consultation on Maternal Influenza Immunization, London, UK
- 2011 Expert Consultant, Progress Review Workshop, WHO Public Health Research Agenda for Influenza, Geneva, Switzerland
- 2011 Expert Consultant, WHO/NIH/INTERSECT Emerging Pathogens Clinical and Laboratory Network Collaborators Meeting, Philadelphia, USA
- 2012 Expert Consultant, WHO Workshop on Influenza Burden of Disease and Economic Analysis, Bali, Indonesia
- 2012 Meeting Rapporteur, Bill and Melinda Gates Foundation Expert Panel Consultation on Maternal Influenza Immunization, Johannesburg, South Africa
- 2012 Expert Consultant, Afriflu 2012 Workshop on Influenza Immunisation in Africa, Cape Town, South Africa
- 2012 Meeting Rapporteur, International Expert Meeting on Influenza Vaccines as a Tool to Estimate the Burden of Severe Influenza, Fondation Mérieux, Annecy, France
- 2012 Invited Participant, WHO/CDC International Meeting on Influenza Vaccine Effectiveness, Geneva, Switzerland
- 2012 Pulmonary Guideline Review Panel Member, WHO Integrated Management of Adolescent and Adult Illness (IMAI) District Clinician Manual
- 2013– present Member, Brighton Collaboration
- 2013 Expert Consultant, Influenza Vaccine Investment Strategy, GAVI Alliance
- 2013 Expert Consultant, PATH Meeting on LAIV Vaccine Trials in Infants and Young Children, Washington, DC

- 2013 PhD Assessor, Michelle Groome, University of the Witwatersrand, School of Public Health. Interdisciplinary Doctoral Programme in Public and Population Health. Rotavirus vaccine and diarrhoeal morbidity in South Africa. Johannesburg, South Africa.
- 2013-2014 Data Safety Monitoring Board Member: Reactogenicity, safety and immunogenicity of a live monovalent A/17/CALIFORNIA/66/395 (H2N2) influenza vaccine. Dr. Larissa Rudenko PI, Federal State Unitary Company “Microgen Scientific Industrial Company for Immunobiological Medicines” of the Ministry of Health of the Russian Federation.
- 2015 Working Group Member, Global Alignment of Immunization safety Assessment in pregnancy (GAIA)
- 2016 Scientific Advisory Committee Member, PATH Maternal Pertussis Immunization Project
- 2016 Expert Consultant, Bill and Melinda Gates Foundation Pertussis Infant Burden of Disease Mini Symposium
- 2017 Expert Panelist, Healthcare Systems and Policies. Sustainable Local Production of Influenza Vaccines for Pandemic Preparedness. Geneva, Switzerland
- 2017-2018 Member, WHO Technical Working Group on Respiratory Syncytial Virus Vaccination During Pregnancy to Prevent Recurrent Childhood Wheezing
- 2017-2019 Member, Technical Expert Panel, PATH Advancing Maternal Immunization (AMI) Project
- 2017-present Member, Global Burden of Disease Collaborator Network
- 2018 Expert Consultant, Influenza Vaccine Investment Strategy, GAVI Alliance
- 2018-present Member Scientific Committee, Global Influenza Hospitalization Surveillance Network
- 2018-2020 Member, International Council on Adult Immunization
- 2018 Expert Consultant, International Federation on Ageing Vaccination and the At-risk Population of Adults with Heart and Lung Conditions’ Expert Meeting, Stockholm, Sweden
- 2019 Expert Consultant, Immunisation for Life Summit. Washington DC. June 5-6
- 2018-2021 Member, Scientific Committee, Scientific Advisory Board on Real World Evidence & Seasonal Influenza Vaccines (Seqirus)
- 2020-2022 Member, Data Safety Monitoring Board Member: A Phase II Randomized, Double-Blind, Placebo-Controlled, Dose-De-Escalation Study of LMN-101 in Healthy Volunteers Challenged with Campylobacter jejuni (Advarra)
- 2020 Member, Acute Respiratory Distress Syndrome (ARDS) Case Definition Working Group, Brighton Collaboration/Safety Platform for Emergency vaccines (SPEAC) Project
- 2020-2021 Member, WHO COVID-19 Vaccine Effectiveness Technical Group
- 2021-present Member, Moderna Product Pipeline Advisory Board
- 2021-2022 Member, WHO RSV Vaccine and Monoclonal Antibody Value Profile Expert Group
- 2022-2023 Member, GSK RSV Cost Effectiveness Advisory Board
- 2023-present Member, Pfizer Advisory Committee of Influenza Experts (ACTIVE)

2023-present Member, Data Safety Monitoring Board Member: A randomized, double-blind, placebo-controlled trial assessing the efficacy of once-daily dosing of Travelan® in a controlled human infection model for ETEC (Advarra)

International service (leadership)

- 2009-2010 Team Lead, WHO Critical Care Training Working Group for Limited-Resource Settings, Geneva, Switzerland
- 2012 Co-Chair, WHO Informal Consultation on Influenza Disease Burden, Geneva, Switzerland
- 2014 Convener, WHO consultation on the development of a guidance for field evaluation of influenza vaccine effectiveness, February 20-21, 2014
- 2014 Convener, WHO meeting to assess live-attenuated influenza vaccines to prevent paediatric influenza disease in low and middle income countries, Geneva, Switzerland, December 16-17, 2014
- 2014 Convener, WHO integrated meeting on development and clinical trials of influenza vaccines that induce broadly protective and long-lasting immune responses: Geneva, Switzerland, May 5-7, 2014
- 2015 Convener, WHO technical consultation on maternal influenza immunization evidence and implementation, March 25-26, 2015
- 2015 Convener, WHO technical consultation on the effect of maternal influenza and influenza vaccination on the developing fetus: Montreal, Canada, September 30-October 1, 2015
- 2016 Convener, WHO meeting on repeated influenza vaccination and vaccine effectiveness, July 19, 2016
- 2016 Convener, WHO meeting on development of influenza vaccines that induce broadly protective and long-lasting immune responses: Chicago, USA, August 23-24, 2016
- 2016 Convener, WHO Meeting on live attenuated influenza vaccine effectiveness, Geneva, Switzerland, September 20-21, 2016
- 2017 Convener, WHO meeting on immunization in older adults: Geneva, Switzerland, March 22-23, 2017
- 2019-2022 Steering Committee, Immunization for All Ages Initiative
- 2020-present Steering Committee, Council of Medical Specialty Societies. Prevention Of Disease, Disability, And Death Through Immunization and Control of Respiratory and Related Diseases
- 2020-2023 Co-Chair, American Thoracic Society Vaccines and Immunization Working Group
- 2021-present Co-Chair, American Thoracic Society Advancing Adult Immunization Initiative Steering Committee
- 2022 Convener, WHO Meeting to Assess RSV Prevention Cost Effectiveness in Low- and Middle-Income Countries. April 6-7, 2022
- 2024-present Co-Chair, Organizing Committee for the Options for the Control of Influenza 2026 International Conference to be held in Washington, DC in 2026.

International service (editorial boards)

- 2016-2019 Member, PLOS ONE Editorial Board
- 2016-2017 Member, WHO Editorial Board for Immunization Position Papers

TEACHING SERVICE

Clinical attending

- 2010-2013 Attending physician, Medical Intensive Care Unit (MICU), UW Medical Center, Seattle, WA. 1 fellow, 4 residents, 4 interns, 1-2 students 10 hours/day, 2 weeks/year.
- 2010-2013 Attending physician, Pulmonary and Critical Care Medicine, Seattle Cancer Care Alliance, Seattle, WA. 1 fellow 10 hours/day, 8 weeks/year.
- 2018-2020 Attending physician, UMSOM Travel Clinic, Baltimore, MD. 1 resident, 4 weeks/year.

Small group teaching

- 2008 Small Group Instructor, Human Biology 541 Respiratory Physiology, UW. 20-first year medical students-20 contact hours/year.
- 2017 Small Group instructor, Respiratory infections, Host Defenses and Infectious Diseases, UMSOM. 20-second year medical students-2 contact hours/year.
- 2019 Small Group instructor, Viral Respiratory Infections, Host Defenses and Infectious Diseases, UMSOM. 20-second year medical students-3 contact hours/year.
- 2019 Small Group instructor, Pneumonia, Host Defenses and Infectious Diseases, UMSOM. 20-second year medical students-3 contact hours/year.
- 2020 Small Group instructor, Pneumonia, Host Defenses and Infectious Diseases, UMSOM. 20-second year medical students-3 contact hours/year.
- 2020 Small Group instructor, Meningitis, Host Defenses and Infectious Diseases, UMSOM. 20-second year medical students-3 contact hours/year.
- 2020 Small Group instructor, Viral Respiratory Infections, Host Defenses and Infectious Diseases, UMSOM. 20-second year medical students-3 contact hours/year.

Lectures

- 2011, 2013 Lecturer, Global Health/Medicine 561 Tropical Medicine (“Tropical Pulmonary Diseases”), UW. 40 first year medical students-2 contact hours/year.
- 2013 Lecturer, Epidemiology 532 Epidemiology of Infectious Diseases in Resource-limited Countries (“Pandemic Influenza Preparedness and Influenza Vaccine for a Global Population”), UW. 40 graduate students-2 contact hours/year.
- 2013 Lecturer, Global Health 580 Global Health Doctoral Seminar: Biology, Systems and Measurement (“Air Pollution and Respiratory Infections”), UW. 40 graduate students-2 contact hours/year.
- 2018 Lecturer, UMB Internal Medicine-Pediatrics Residency Program Noon Conference. Global influenza vaccine policy. University of Maryland, Baltimore. 20 residents-1 contact hour. February 8, 2019.
- 2018 Panelist, Careers in Global Health. Noon Conference, UMB School of Medicine. University of Maryland, Baltimore. 40 students-1 contact hour. February 13, 2019.
- 2019 Lecturer, Influenza in the ICU. Multi-departmental critical care fellows' lecture. Baltimore, Maryland. Anticipated February 7, 2019.
- 2019 Lecturer, Influenza Vaccines; PREV 627 Vaccinology graduate course– 3 hours, 15-20 students. April 17, 2019.

- 2019-present Lecturer, Contact transmission: Droplet-Influenza and other respiratory viruses; PREV 749 Infectious Disease Epidemiology graduate course– 3 hours, 15-20 students. October 9, 2019, September 30, 2020, October 5, 2021, October 12, 2022, October 11, 2023.
- 2020 Lecturer, Prioritization of prevention: public health vaccine program decision making. First international European Interdisciplinary Council on Ageing e-learning course on Antimicrobial resistance and the role of vaccines. April 4-6, 2020.
- 2021 Lecturer, Influenza Vaccines; PREV 627 Vaccinology graduate course– 3 hours, 15-20 students. April 7, 2021.
- 2022 Lecturer, Research skills in a public health setting. University of Ottawa School of Public Health graduate course (Applied Research Methods in Public Health)-1 hour, 20 students. January 12, 2022.
- 2023 Lecturer, Influenza Vaccines; PREV 627 Vaccinology graduate course– 1 hour, 15-20 students. April 5, 2023.

High school mentoring

- 2024 Mentor to Janelle Ortiz, High School Student. One hour weekly clinical research training anticipated June 2024 through August 2024.

Medical student mentoring

- 2020 Mentor to Stephen Yu, MD, Medical Student, UMSOM. One hour weekly clinical research training over 26 weeks. (*Research product: publications #111, #120*)

Graduate student and post-doctoral research fellow mentoring

- 2014-2016 Mentor to Deshayne Fell, PhD, MPH, PhD student, McGill University. One hour weekly clinical research training over 78 weeks. (*Research product: publications #33, #47, #51, #60*)
- 2017-2019 Mentor to Corinne Aileen Riddell, PhD, Post-doctoral research fellow, McGill University. One hour monthly clinical research training over 2 years. (*Research product: publication #83*)
- 2018-2020 Mentor to Steven Brunwasser, PhD, Post-doctoral research fellow, Vanderbilt University. One hour monthly clinical research training over 2 years. (*Research product: publication #105, #133*)
- 2018-2022 Mentor to Amanda Driscoll, PhD, Post-doctoral research fellow, UMSOM. One hour monthly clinical research training over 2 years. (*Research product: publication #105, #110, #111, #117, #118, #120, #139*)
- 2018-2022 Mentor to Britney Snyder, PhD, Post-doctoral research fellow, Vanderbilt University. One hour monthly clinical research training over 2 years. (*Research product: publication #122, #133*)
- 2019-2020 Mentor to Rachel Laufer, MPH, MPH Graduate Student, University of Maryland Baltimore. One hour weekly clinical research training over 1 year. (*Research product: publication #117, #133, #134, ##139*)
- 2022-present Mentor to Chidozie Obichere, MPH(candidate), MPH Graduate Student, University of Maryland Baltimore. One hour weekly clinical research training over 78 weeks. (*Research product: manuscript writing ongoing*)
- 2023-2024 Mentor to Kaitlin Mason, BSN, RN, MPH(candidate), MPH Graduate Student, University of Maryland Baltimore. One hour weekly clinical research training over 52 weeks. (*Research product: manuscript writing ongoing*)

2024-present Mentor to Ibrahim Ahmed El-Imam, MD, PhD(candidate), PhD research rotation, University of Maryland Baltimore. One hour weekly clinical research training anticipated June 2024 through August 2024. (*Research ongoing*)

Resident and clinical fellow mentoring

- 2009 Mentor to Patricia Pavlinac, PhD, MS,, PhD student, UW. Three to five hours weekly clinical research training over the summer of 2009. (*Research product: publication research abstract*)
- 2011 Mentor to Andrea Dotson,, MSPH student, Johns Hopkins University. Three to five hours weekly clinical research training over the summer of 2011. (*Research product: internal PATH publication*)
- 2012-2013 Mentor to Kristina Rudd, MD, Internal Medicine Resident, UW. One hour weekly clinical research training over 52 weeks. (*Research product: publication #18*)
- 2011-2020 Mentor to Laura Hooper, MD, MPH, Internal Medicine Resident and Pulmonary & Critical Care Fellow, UW. Approximately once monthly clinical research training over 8 years. (*Research product: publication #23, #49, #81*)
- 2015 Mentor to Heather Carson, JD, PhD student, University of Texas, Galveston. Three to five hours weekly clinical research training over the summer of 2015. (*Research product: publication #127*)
- 2016-2020 Mentor to Ranjani Somayaji, MD, Post-doctoral research fellow, UW. Approximately once monthly clinical research training over 4 years. (*Research product: publication #53, #101*)
- 2019-2021 Mentor to Sarah Williams, MD, Post-doctoral research fellow, UMSOM. One hour weekly clinical research training over two years. (*Research product: publication #110, #111, #112, #120, #127, #137*)
- 2019-2022 Mentor to Jordan Braunfeld, MD, Internal Medicine Resident, UMSOM. One hour weekly clinical research training over 52 weeks. (*Research product: publication #127*)
- 2019-2021 Mentor to Meagan Deming, MD PhD, Infectious Diseases Fellow, UMSOM. One hour monthly clinical research training over 2 years. (*Research product: publication #106*)
- 2022-present Mentor to Elizabeth A.D. Hammershaimb, MD, Pediatric Infectious Diseases Fellow, UMSOM. Dr. Ortiz was on the fellow research advisory committee which met once quarterly through 2022. He has subsequently mentored Dr. Hammershaimb on two different research projects with one hour monthly clinical research training over 1 year. (*Research ongoing*)
- 2023-present Mentor to Andrew Gilmore, MD MPH, Post-doctoral research fellow, UMSOM. One hour weekly clinical research training over 52 weeks. Research product: (*Research ongoing*)
- 2023-present Mentor to Laura Hobbs, MD, Surgery Resident, UMSOM. One hour weekly clinical research training over 26 weeks. Research product: (*Research ongoing*)
- 2024-present Mentor to Allison LaRocco, MD, Post-doctoral research fellow, UMSOM. Anticipate One hour weekly clinical research training beginning June 2024 through June 2025. Research product: (*Research ongoing*)

Formal junior faculty mentoring

2018-present K01 Primary Mentor to Meagan Fitzpatrick, PhD, Assistant Professor, UMSOM.

- 2020-2022 Member, Elizabeth A.D. Hammershaimb Scholarship Oversight Committee, UMSOM Pediatrics Infectious Diseases
- 2024-present Faculty Mentoring Committee Member to Aisha Souquette, PhD, Research Associate, UMSOM.

Curriculum development

- 2020-2022 Member, PREV 627 Vaccinology course curriculum committee
- 2009-2018 Lead (2009-2010), Member (2010-2018), Working group to develop the WHO short course on management of critically ill patients with acute respiratory infection
- 2010-2014 Organizing committee, Global Health Pathway at the University of Washington Pulmonary and Critical Care Fellowship Training Program University of Washington, Seattle, WA 2011-2014 Founding member and associate director, UW International Respiratory and Severe Illness Center (INTERSECT).
- 2022-2023 Steering Committee, GSK Vaccine Virtual Days. March 29-30, 2023
- 2024-present Steering Committee, RSV CME Training.

GRANT SUPPORT

Active

- 09/16/19-09/15/26 Contract PI: 15%
Collaborative Influenza Vaccine Innovation Centers (CIVICs), Clinical Core. The proposed research will advance the development of novel influenza vaccines through the design, execution and conduct of phase I and II clinical trials and challenge studies in diverse populations, and the establishment of a specimen repository for human samples for current and future scientific investigations.
HHS-NIH-NIAID-BAA2018, Contract No. 75N93019C00055
Subawards (role specified for each):
Site PI 6%, NIH/NIAID 75N93019C00055, *CIVICs SARS-CoV-2, Influenza, and Other Respiratory Pathogen Screening Protocol*
Site PI 11%, NIH/NIAID 75N93019C00055, *Human H3N2 Influenza Challenge Study*
Protocol PI 10%, NIH/NIAID 75N93019C00055, *Human Influenza H1N1 Challenge Study*
Site PI 0%, NIH/NIAID 75N93019C00055, *CIVICs Adjuvanted QIV Older Adult Trial (Effort covered by Contract PI effort)*
- 06/01/19-06/30/24 Co-Investigator 8%; PI: JD Campbell
A Phase 1, Randomized, Parallel-Group, Double-Blind Trial of AV7909 (Liquid) and Thermostable AV7909 (Lyophilized) in Healthy Adult Volunteers
NIH/NAID HHSN272201300022I
- 05/01/22-01/31/25 Protocol PI 5%; PI: Matthias Schnell
Advanced Development of a Multivalent Vaccine Candidate for Filovirus and Lassa Fever
Sponsor: National Institute of Allergy and Infectious Disease (NIAID), HHSN272201700082C
- 08/01/22-07/31/24 PI 20%
Addressing unanticipated events for Intranasal Influenza A H5 Vaccine

- 05/01/23-04/30/25 Trial
NIH/NIAID U01AI148081
PI 19%
A Phase 1, Open-Label, Dose-Escalation Study to Evaluate the Safety and Immunogenicity of DCFHP-Alum, A Spike-Functionalized Ferritin Nanoparticle Vaccine Targeting COVID-19, Co-formulated with Aluminum Hydroxide Adjuvant, in Health Adults in the United States
Sponsor: Vaccine Company, Inc.
- 06/01/22-05/31/25 Co-Investigator 1%; PI: Donald Milton, Subaward PI: Wilbur Chen
Evaluating Modes of Influenza Transmission (EMIT-2) using Innovative Technologies and Designs in Controlled Environments
NIH/NIAID U19AI162130 (Subaward No. 107455-Z0447204)
- 09/01/23-09/30/24 Co-Investigator 2%; PI: Marcela Pasetti
To collect mucosal and blood samples through an existing donor protocol
NIH/NIAID
- 05/01/24-07/31/24 Protocol PI: 2%
"Vaccine and Treatment Evaluation Units (VTEU) Protocol Development and Implementation, Natural History Challenge Study for Influenza, Task Area B-C, 18-0010.B1C1.0120"
NIAID Vaccine Treatment and Evaluation Unit, FY. 2018.B1C1.0120

Completed funding

- 2008-2010 Fellow; PI: Len Hudson
Institutional Grant Supporting Research Training in Pulmonary and Critical Care Medicine
NHLBI, Respiratory Research Training Grant T32 HL007287
- 2008-2011 Co-Investigator; PI: JC Victor
Seasonal Influenza Vaccine Effectiveness in a Tropical Developing African Country
Center for Disease Control - 1U01IP000174
- 2008-2010 Co-Investigator; PI: KM Neuzil
Advancing seasonal and pandemic influenza vaccines project
Bill & Melinda Gates Foundation - 48805
- 2009 Co-Investigator; PI: J Fleming
Pilot Assessment of Indoor Air Pollution Exposure in Niakhar, Senegal
PATH Health Innovations Project Institutional Grant
- 2009-2010 PI
Influenza-Associated Adverse Outcomes of Pregnancy and in Newborns
John B. Coombs UWHA Research Award
- 2009-2011 PI
Assessment of Indoor Air Pollution as a Risk Factor for Influenza in Senegalese Children
Thrasher Research Fund Early Career Award - NR-0099
- 2010 Co-Investigator; PI: KM Neuzil
Landscape Analysis and Policy Pathway of Maternal Vaccination in Low Resource Settings
Bill & Melinda Gates Foundation - 17868
- 2010-2013 PI
Seasonal Influenza Vaccine Effectiveness in a Tropical Developing African

Country
 PATH Subagreement No. CDC.1421-03-08889-SUB under HHS/CDC (U01
 IP000174-01)

2010-2014 PI
 Development of Novel Tools to Estimate the Burden of Influenza-Associated
 Critical Illness
 Robert Wood Johnson Harold Amos Medical Faculty Development Program -
 67423

2011-2015 Co-Investigator; PI: JC Victor
 Seasonal Influenza Vaccine Effectiveness in a Tropical Developing African
 Country
 Center for Disease Control-1U01IP000476

2011 Co-Investigator; PI: TE West
 2009 H1N1 Pandemic Influenza Management Literature Review
 WHO

2011-2014 Co-Investigator; PI: SA Madhi
 Influenza Vaccine Trial in Pregnant Women in South Africa
 Subcontract of Bill & Melinda Gates Foundation (Grant OPP1002747)

2011-2013 PI
 Live Attenuated Influenza Vaccine Efficacy in Bangladesh
 PATH Subagreement GAT.387-05143-SUB under Bill & Melinda Gates
 Foundation (Grant 48805)

2012-2013 Co-Investigator; PI: G John-Stewart
 Impact of Indoor Air Pollution on the Health of HIV-1 Infected Children in Kenya
 NIH 2 R01 HD023412-21

2013-2017 PI
 WHO/PATH Maternal Influenza Immunization Project
 Bill & Melinda Gates Foundation - OPP1084288

2013-2017 PI
 Building Routine Influenza Immunization Programs in Low-Resource Settings
 Project US CDC - U01 CI000298

2015-2016 PI
 Enhanced Collaboration between US NIH and WHO on Biomedical Research
 National Institutes of Health - 5U01AI108543-01 Supplement

2017-2018 Co-Investigator; PI: DB Fell
 Health outcomes in children of mothers who received influenza
 vaccination during pregnancy
 Canadian Institutes of Health Research - AO1-151541

2017-2020 Co-Investigator; PI: KM Neuzil
 A Phase II Study in Healthy Adults 19 Years and Older to Assess the Safety,
 Reactogenicity and Immunogenicity of a Sanofi Pasteur A/H7N9 Inactivated
 Influenza Vaccine Administered Intramuscularly with or without AS03 Adjuvant
 NIH/NIAID Vaccine and Treatment Evaluation Units (VTEU) Task Area C1 -
 FY.2017.B8C12.0080 Influenza 17-0075

2017-2020 Co-Investigator; PI: KM Neuzil
 A Phase II Study in Healthy Adults 19 Years and Older to Assess the Safety,
 Reactogenicity and Immunogenicity of Sequential or Simultaneous Intramuscular
 Administration of an AS03-adjuvanted A/H7N9 Inactivated Influenza Vaccine with

- Seasonal Trivalent Vaccine
NIH/NIAID Vaccine and Treatment Evaluation Units (VTEU) Task Area C2 -
FY.2017.B8C12.0080 Influenza 17-0077
- 2017-2020 Co-Investigator; PI: KM Neuzil
A Phase II Study to Assess the Safety, Reactogenicity and Immunogenicity of a
Single Dose of 2017 A/H7N9 Inactivated Influenza Vaccine (IIV) Administered
Intramuscularly with or without AS03 Adjuvant in 2013 A/H7N9 IIV Primed or
A/H7 IIV Naïve Subjects
NIH/NIAID Vaccine and Treatment Evaluation Units (VTEU) Task Area C7 -
FY.2017.B8C12.0080 Influenza 17-0090
- 2018-2019 Co-PI
Methodological considerations for studies to measure the association between
RSV LRTI and wheeze/asthma
WHO - 2018/829929
- 2018-2019 PI
Informing randomized control trials of respiratory syncytial virus vaccination
during pregnancy to prevent recurrent childhood wheezing: a sample size
analysis
WHO-2018/816365
- 2018-2019 PI
To advance the evidence base for influenza vaccine and adult immunization
policies and practice
WHO-2018/825465
- 2020 Site PI
A Multicenter, Adaptive, Randomized Blinded Controlled Trial of the Safety and
Efficacy of Investigational Therapeutics for the Treatment of COVID-19 In
Hospitalized Adults
NIH/NIAID 3UM1AI148689-01S1
- 2020-2021 Co-PI
Informing Public Health Expectations and Policy for Next Generation RSV
Prevention Interventions in Mali: Modelling Studies to Estimate Health and
Economic Impact
PATH
- 2021– 2021 PI
Organization of a meeting on respiratory syncytial virus (RSV) health economics
and best-practices for conducting cost-effectiveness analyses
WHO
- 2020-2021 Co-PI
Informing Public Health Expectations and Policy for Next Generation RSV
Prevention Interventions in Mali: Modelling Studies to Estimate Health and
Economic Impact
PATH
- 2018-2021 Co-Investigator; PD: K Kotloff
NIH/NIAID HHSN272201300022I
Vaccine and Treatment Evaluation Unit (VTEU)
NIAID contract is for the evaluation of control measures against diseases other
than AIDS. The goal is to provide the necessary resources to conduct high-public
health priority phase I-IV clinical vaccine trials.

Subawards (Co-Investigator on each):

Task Area B-C 18-0011, Phase I Study of Adjuvanted Seasonal Influenza Vaccine

Task Area B-C 18-0010, Natural History Challenge Study for Influenza

Task Order 16-0107, Phase I AV7909 Trial

2022-2022

Co-Investigator; PI: M Fitzpatrick

National Science Foundation, 2138192

RAPID: Identifying the drivers of optimal COVID-19 vaccine allocation

2020-2023

PI

Randomized Clinical Trial of a Novel Mucosal Recombinant H5 Influenza

Vaccine with Nanoemulsion Adjuvant Followed by Parenteral Boost of Licensed

Inactivated Influenza a H5N1 Vaccine

NIH/NIAID U01AI148081

PUBLICATIONS

Peer reviewed journal articles

1. Centers for Disease Control and Prevention (reported by Wang S, Dhara R, Brammer L, Postema A, Katz M, Uyeki T, Bresee J, Balish A, Wallis T, Hall H, Klimov A, Cox N, Ortiz JR*). Update: influenza activity – United States, October 2-December 3, 2005. *MMWR Morb Mortal Wkly Rep.* 2005 Dec 16;54(49):1256-9. PubMed PMID: 16357822. (**=first authorship*)
2. Centers for Disease Control and Prevention (reported by Bright RA, Shay D, Bresee J, Klimov A, Cox N, **Ortiz JR***). High levels of adamantane resistance among influenza A (H3N2) viruses and interim guidelines for use of antiviral agents-United States, 2005-06 influenza season. *MMWR Morb Mortal Wkly Rep.* 2006 Jan 20;55(2):44-6. PubMed PMID: 16424859.
3. **Ortiz JR**, Shay DK, Liedtke LA, Bresee JS, Strausbaugh LJ. A national survey of the Infectious Diseases Society of America Emerging Infections Network concerning neuraminidase inhibitor prescription practices and pandemic influenza preparations. *Clin Infect Dis.* 2006 Aug 15;43(4):494-7. Epub 2006 Jul 11. PubMed PMID: 16838240.
4. **Ortiz JR**, Wallis TR, Katz MA, Berman LS, Balish A, Lindstrom SE, et al. No evidence of avian influenza A (H5N1) among returning US travelers. *Emerg Infect Dis.* 2007 Feb;13(2):294-7. PubMed PMID: 17479895; PubMed Central PMCID: PMC2725853.
5. **Ortiz JR***, Katz MA*, Mahmoud MN, Ahmed S, Bawa SI, Farnon EC, Sarki MB, Nasidi A, Ado MS, Yahaya AH, Joannis TM, Akpan RS, Vertefeuille J, Achenbach J, Breiman RF, Katz JM, Uyeki TM, Wali SS. Lack of Evidence for Avian-to-Human Transmission of Avian Influenza A (H5N1) Among Poultry Workers, Kano Nigeria, 2006. *J Infect Dis.* 2007 Dec 1;196(11):1685-91. Epub 2007 Oct 25. PubMed PMID: 18008254. (**=Co-first authorship*)
6. **Ortiz JR**, Kamimoto L, Aubert RE, Yao J, Shay DK, Bresee JS, Epstein RS. Oseltamivir prescribing in pharmacy-benefits database, United States, 2004-2005. *Emerg Infect Dis.* 2008 Aug;14(8):1280-3. doi: 10.3201/eid1408.080074. PubMed PMID: 18680656; PubMed Central PMCID: PMC2600408.
7. Dickson RP, Martinez SM, **Ortiz JR**. A case of rapidly progressive necrotizing pneumonia caused by community-acquired methicillin-resistant *Staphylococcus aureus*. *Respir Care.* 2008 Sep;53(9):1223-6. PubMed PMID: 18718042.
8. **Ortiz JR**, Sotomayor V, Uez OC, Oliva O, Bettels D, McCarron M, et al. Strategy to enhance influenza surveillance worldwide. *Emerg Infect Dis.* 2009 Aug;15(8):1271-8.

- doi: 10.3201/eid1508.081422. PubMed PMID: 19751590; PubMed Central PMCID: PMC2815958.
9. **Ortiz JR**, Neuzil KM, Victor JC, Wald A, Aitken ML, Goss CH. Influenza-associated cystic fibrosis pulmonary exacerbations. *Chest*. 2010 Apr;137(4):852-60. doi: 10.1378/chest.09-1374. Epub 2009 Dec 4. PubMed PMID: 19965953; PubMed Central PMCID: PMC2851556.
 10. **Ortiz JR**, Neuzil KM, Victor JC, Aitken ML, Goss CH. Predictors of influenza vaccination in the Cystic Fibrosis Foundation patient registry, 2006 through 2007. *Chest*. 2010 Dec;138(6):1448-55. doi: 10.1378/chest.10-0356. Epub 2010 May 21. PubMed PMID: 20495106; PubMed Central PMCID: PMC2998208.
 11. **Ortiz JR**, Zhou H, Shay DK, Neuzil KM, Fowlkes AL, Goss CH. Monitoring influenza activity in the United States: a comparison of traditional surveillance systems with Google Flu Trends. *PLoS One*. 2011 Apr 27;6(4):e18687. PubMed PMID: 21556151; PubMed Central PMCID: PMC3083406.
 12. **Ortiz JR**, Englund JA, Neuzil KM. Influenza vaccine for pregnant women in resource-constrained countries: A review of the evidence to inform policy decisions. *Vaccine*. 2011 Jun 15;29(27):4439-52. Epub 2011 May 6. PubMed PMID: 21550377.
 13. **Ortiz JR**, Lafond KE, Wong TA, Uyeki TM. Pandemic influenza in Africa, lessons learned from 1968: a systematic review of the literature. *Influenza Other Respir Viruses*. 2012 Jan;6(1):11-24. doi: 10.1111/j.1750-2659.2011.00257.x. Epub 2011 May 3. PMID: 21668669; PMCID: PMC3175329.
 14. Reed C, Madhi SA, Klugman KP, Kuwanda L, **Ortiz JR**, Finelli L, et al. Development of the Respiratory Index of Severity in Children (RISC) score among young children with respiratory infections in South Africa. *PLoS One*. 2012;7(1):e27793. doi: 10.1371/journal.pone.0027793. Epub 2012 Jan 4. PubMed PMID: 22238570; PubMed Central PMCID: PMC3251620.
 15. Neuzil KM, Tsvetnitsky V, Nyari LJ, Bright RA, Boslego JW, on behalf of PATH's Influenza Vaccine Project team (**Ortiz JR**, member). PATH Influenza Vaccine Project: accelerating the development of new influenza vaccines for low-resource countries. *Expert Rev Vaccines*. 2012 Aug; 11(8):939-947. PubMed PMID: 23002975.
 16. Horne DJ, Campo M, **Ortiz JR**, Oren E, Arentz M, Crothers K, et al. Association between Smoking and Latent Tuberculosis in the U.S. Population: An Analysis of the National Health and Nutrition Examination Survey. *PLoS One*. 2012;7(11):e49050. doi: 10.1371/journal.pone.0049050. Epub 2012 Nov 8. PubMed PMID: 23145066.
 17. **Ortiz JR**, Neuzil KM, Ahonkhai VI, Gellin BG, Salisbury DM, Read JS, et al. Translating vaccine policy into action: A report from the Bill & Melinda Gates Foundation Consultation on the prevention of maternal and early infant influenza in resource-limited settings. *Vaccine*. 2012 Sep 28. pii: S0264-410X(12)01345-X. doi: 10.1016/j.vaccine.2012.09.034. [Epub ahead of print] PubMed PMID: 23026690.
 18. **Ortiz JR***, Rudd KE*, Clark DV, Jacob ST, West TE. Clinical research during a public health emergency: a systematic review of severe pandemic influenza management. *Crit Care Med*. 2013 May;41(5):1345-52. doi: 10.1097/CCM.0b013e3182771386. Review. PubMed PMID: 23399939. (*=*Co-first authorship*)
 19. **Ortiz JR**, Jacob ST, West TE. Clinical care for severe influenza and other severe illness in resource-limited settings: the need for evidence and guidelines. *Influenza Other Respir Viruses*. 2013 Sep;7 Suppl 2:87-92. doi: 10.1111/irv.12086. Review. PubMed PMID: 24034491.
 20. **Ortiz JR**, Neuzil KM, Rue TC, Zhou H, Shay DK, Cheng PY, et al. Population-based incidence estimates of influenza-associated respiratory failure hospitalizations, 2003 to 2009. *Am J Respir Crit Care Med*. 2013 Sep 15;188(6):710-5. doi: 10.1164/rccm.201212-2341OC. PubMed PMID: 23855650.

21. Reed C, Bruden D, Byrd KK, Veguilla V, Bruce M, Hurlburt D, Wang D, Holiday C, Hancock K, **Ortiz JR**, Klejka J, Katz JM, Uyeki TM. Characterizing wild bird contact and seropositivity to highly pathogenic avian influenza A (H5N1) virus in Alaskan residents. *Influenza Other Respir Viruses*. 2014 May 14. doi: 10.1111/irv.12253. [Epub ahead of print] PubMed PMID: 24828535.
22. Madhi SA, Cutland CL, Kuwanda L, Weinberg A, Hugo A, Jones S, Adrian PV, van Niekerk N, Treurnicht F, **Ortiz JR**, Venter M, Violari A, Neuzil KM, Simões EA, Klugman KP, Nunes MC; Maternal Flu Trial (Matflu) Team. Influenza vaccination of pregnant women and protection of their infants. *N Engl J Med*. 2014 Sep 4;371(10):918-31. doi: 10.1056/NEJMoa1401480. PubMed PMID: 25184864.
23. **Ortiz JR**, Neuzil KM, Shay DK, Rue TC, Neradilek MB, Zhou H, et al. The burden of influenza-associated critical illness hospitalizations. *Crit Care Med*. 2014 Nov;42(11):2325-32. doi: 10.1097/CCM.0000000000000545. PMID: 25148596; PMCID: PMC4620028.
24. **Ortiz JR**, Neuzil KM, Cooke CR, Neradilek MB, Goss CH, Shay DK. Influenza pneumonia surveillance among hospitalized adults may underestimate the burden of severe influenza disease. *PLoS One*. 2014 Nov 25;9(11):e113903. doi: 10.1371/journal.pone.0113903. eCollection 2014. PubMed PMID: 25423025; PubMed Central PMCID: PMC4244176.
25. World Health Organization (**Ortiz JR** Editorial Board). Meeting of the Strategic Advisory Group of Experts on immunization, April 2015: Conclusions and Recommendations. *Wkly Epidemiol Rec*. 2015 May 29;90(22):261-78. English, French. PubMed PMID: 26027016.
26. Goss LB, **Ortiz JR**, Okamura DM, Hayward K, Goss CH. Significant Reductions in Mortality in Hospitalized Patients with Systemic Lupus Erythematosus in Washington State from 2003 to 2011. *PLoS One*. 2015 Jun 18;10(6):e0128920. doi: 10.1371/journal.pone.0128920. eCollection 2015. PubMed PMID: 26087254; PubMed Central PMCID: PMC4473009.
27. **Ortiz JR**, Goswami D, Lewis KDC, Sharmeen AT, Mostaq A, Rahman M, Rahman MZ, Feser J, Neuzil KM, Brooks WA. Safety of Russian-backbone seasonal trivalent, live-attenuated influenza vaccine in a phase II randomized placebo-controlled clinical trial among children in urban Bangladesh. *Vaccine*. 2015 Jun 26;33(29):3415-21. doi: 10.1016/j.vaccine.2015.04.048. Epub 2015 Apr 24. PMID: 25917680.
28. Omer SB, Richards JL, Madhi SA, Tapia MD, Steinhoff MC, Aqil AR, et al. for BMGF Supported Maternal Influenza Immunization Trials Investigators Group (**Ortiz JR** member). Three randomized trials of maternal influenza immunization in Mali, Nepal, and South Africa: Methods and expectations. *Vaccine*. 2015 Jun 19. pii: S0264-410X(15)00750-1. doi: 10.1016/j.vaccine.2015.05.077. [Epub ahead of print] Review. PubMed PMID: 26095508.
29. Marangu D, Kovacs S, Walson J, Bonhoeffer J, **Ortiz JR**, John-Stewart G, et al. Wheeze as an adverse event in pediatric vaccine and drug randomized controlled trials: A systematic review. *Vaccine*. 2015 Oct 5;33(41):5333-5341. doi: 10.1016/j.vaccine.2015.08.060. Epub 2015 Aug 28. PMID: 26319071; PMCID: PMC4743983.
30. Lambach P, Alvarez AM, Hirve S, **Ortiz JR**, Hombach J, Verweij M, et al. Considerations of strategies to provide influenza vaccine year round. *Vaccine*. 2015 Aug 28. pii: S0264-410X(15)01164-0. doi: 10.1016/j.vaccine.2015.08.037. [Epub ahead of print] Review. PubMed PMID: 26319745.
31. Munoz FM, Eckert LO, Katz MA, Lambach P, **Ortiz JR**, Bauwens J, et al. Key terms for the assessment of the safety of vaccines in pregnancy: Results of a global consultative process to initiate harmonization of adverse event definitions. *Vaccine*. 2015 Nov

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 33. Savitz DA, Fell DB, **Ortiz JR**, Bhat N. Does influenza vaccination improve pregnancy outcome? Methodological issues and research needs. *Vaccine*. 2015 Aug 26. pii: S0264-410X(15)01168-8. doi: 10.1016/j.vaccine.2015.08.041. [Epub ahead of print] PubMed PMID: 26319740.
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 35. Cox NJ, Hickling J, Jones R, Rimmelzwaan GF, Lambert LC, Boslego J, Rudenko L, Yeolekar L, Robertson JS, Hombach J, **Ortiz JR**. Report on the second WHO integrated meeting on development and clinical trials of influenza vaccines that induce broadly protective and long-lasting immune responses: Geneva, Switzerland, 5-7 May 2014. *Vaccine*. 2015 Nov 27;33(48):6503-10. doi: 10.1016/j.vaccine.2015.10.014. Epub 2015 Oct 23. PMID: 26478203; PMCID: PMC8218335.
 36. Nunes MC, Cutland CL, Dighero B, Bate J, Jones S, Hugo A, et al.; Matflu Team (**Ortiz JR** member, published as "**Ortiz JR**"). Kinetics of Hemagglutination-Inhibiting Antibodies Following Maternal Influenza Vaccination Among Mothers With and Those Without HIV Infection and Their Infants. *J Infect Dis*. 2015 Dec 15;212(12):1976-87. doi: 10.1093/infdis/jiv339. Epub 2015 Jun 16. PubMed PMID: 26080370; PubMed Central PMCID: PMC4655859. Erratum for Nunes et al. (Correcting **Ortiz JR** name spelling) *J Infect Dis*. 2019 Sep 13;220(8):1392. doi: 10.1093/infdis/jiz293. Erratum for: *J Infect Dis*. 2015 Dec 15;212(12):1976-87. PMID: 31269213; PMCID: PMC7325324.
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- Population-Based Study. *Clin Infect Dis*. 2017 Jun 15;64(12):1760-1767. doi: 10.1093/cid/cix203. PMID: 28329304; PMCID: PMC5848232.
54. Madhi SA, Nunes MC, Weinberg A, Kuwanda L, Hugo A, Jones S, van Niekerk N, **Ortiz JR**, Neuzil KM, Klugman KP, Simões EAF, Cutland CL; Maternal Flu Trial (Matflu) Team. Contribution of Serologic Assays in the Evaluation of Influenza Virus Infection Rates and Vaccine Efficacy in Pregnant Women: Report From Randomized Controlled Trials. *Clin Infect Dis*. 2017 Jun 15;64(12):1773-1779. doi: 10.1093/cid/cix241. PubMed PMID: 28369198; PubMed Central PMCID: PMC5447878.
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28. Laufer RS, Baral R, Buchwald AG, Campbell JD, Coulibaly F, Diallo F, Doumbia M, Driscoll AJ, Galvani AP, Haidara FC, Keita AM, Neuzil KM, Sow S, Pecenka C, **Ortiz JR**#, Fitzpatrick MC#. Optimizing next-generation RSV prevention in Mali: a cost-effectiveness analysis of pediatric vaccination, maternal vaccination, and extended half-life monoclonal antibody immunoprophylaxis. *medRxiv* 2022.05.19.22275309; doi: <https://doi.org/10.1101/2022.05.19.22275309> (*#=Co-senior authorship*)
29. **Ortiz JR**, Bernstein DI, Hoft DF, Woods CW, McClain MT, Frey SE, Brady RC, Bryant C, Wegel A, Frenck RW, Walter EB, Abate G, Williams SR, Atmar RL, Keitel WL, Rouphael N, Memoli MJ, Makhene MK, Roberts PC, Neuzil KM. A Multi-Center, Controlled Human Infection Study of Influenza A (H1N1)pdm09 in Healthy Adults. *medRxiv* 2022.09.27.22280383; doi: <https://doi.org/10.1101/2022.09.27.22280383>
30. Gilmore A, **Ortiz J**. Pneumococcal Vaccines. *Am J Respir Crit Care Med*. 2024 May 15;209(10):P5-P7. doi: 10.1164/rccm.209i10p5. PMID: 38747567.

Published multimedia and datasets

1. Council of State and Territorial Epidemiologists (**Ortiz JR** member of writing committee). Rapid Response Training: The Role of Public Health in a Multi-Agency Response to Avian Influenza in the United States. 2007. Available at: www.cste.org/influenza/avian.asp.
2. World Health Organization (**Ortiz JR** project lead). Critical Care Training Short Course. Geneva: WHO; 2013. Available at: http://influenzatraining.org/static/toolkit/WHO_GIPCCare_CDROM_V3Master_June_2013/index.html.
3. **Ortiz JR**, 2018, "Traditional Cooking Practices and Preferences for Stove Features Among Women in Rural Senegal: Informing Improved Cookstove Design and Interventions", <https://doi.org/10.7910/DVN/FIWYJF>, Harvard Dataverse, V1.
4. World Health Organization (**Ortiz JR** team lead 2009-2010, member 2010-2018) WHO Clinical Care Severe Acute Respiratory Infection Training. 2009. Updated 2020. Available at: <https://openwho.org/courses/severe-acute-respiratory-infection>

INVITED SPEECHES

Local

1. HIV and migrant farm workers. Harvard AIDS Institute. Boston, MA. USA, October 21, 2001.

2. An update on avian influenza. Rollins School of Public Health, Emory University. Atlanta, GA. USA, November 2, 2005.
3. Human, avian, and pandemic influenza. Rollins School of Public Health, Emory University. Atlanta, GA. USA, April 6, 2006.
4. Pediatric influenza. Morehouse School of Medicine Pediatric Grand Rounds. Atlanta, GA. USA, November 16, 2006.
5. Risk of transmission of avian influenza A (H5N1). Vanseaport Respiratory Conference. Whistler, British Columbia, Canada, February 25, 2008.
6. Novel influenza surveillance: can google obviate the need for public health infrastructure. Vanseaport Respiratory Conference. Crystal Mountain, WA. USA, March 1, 2010.
7. Maternal Influenza Immunization: Translating Policy to Practice. Johns Hopkins School of Public Health Seminar. Baltimore, USA, March 28, 2017.
8. Severe Influenza Epidemiology and Global Vaccine Policy Making. Pulmonary Grand Rounds Conference. UMSOM. Baltimore, Maryland. October 30, 2017.
9. Immunization across the life-span. UMSOM, Department of Medicine Grand Rounds. Baltimore, Maryland, USA. August 23, 2018.
10. Informing randomized clinical trials of RSV vaccination during pregnancy to prevent recurrent childhood wheezing. 2018 Frontiers in Vaccinology. UMSOM. Baltimore, Maryland. November 26, 2018.
11. A history of WHO influenza vaccine policy making: a case study of evidence-based public health practice. UMSOM. CVD Seminar. Baltimore, Maryland. March 11, 2019.
12. Informing randomized clinical trials of RSV vaccination during pregnancy to prevent recurrent childhood wheezing. 2018 Frontiers in Vaccinology. UMSOM. Baltimore, Maryland. November 26, 2018.
13. Preparing for COVID-19 vaccine deployment in developing countries. Pulmonary Grand Rounds. University of Maryland Medical Center. October 15, 2020.
14. Controlled Human Infection Models of Influenza Virus Infection. UMSOM, Department of Medicine Grand Rounds. Baltimore, Maryland, USA. February 9, 2022.
15. Influenza in the ICU. Pulmonary Grand Rounds. University of Maryland Medical Center. February 15, 2022.
16. The future of global influenza prevention and control. Public Health Seminar. University of Maryland College Park. January 17, 2024.

National

17. An update on avian influenza. The annual meeting of the American College of Osteopathic Internists. Orlando, FL. USA, October 23, 2005.
18. Case management of suspect influenza A (H5N1) in humans. Council of State and Territorial Epidemiologists Avian Influenza Rapid Response Training. Denver, CO. USA, February 6, 2007.
19. Development of novel tools to estimate the burden of influenza-associated critical illness. Robert Wood Johnson Harold Amos Medical Faculty Development Program Annual Meeting. New Orleans, LA. USA, October 5, 2011.
20. Valedictory speech. Harold Amos Medical Faculty Development Program. Atlanta, GA. USA, October 4, 2013.
21. Influenza vaccine for pregnant women: the challenges of translating research to practice. Visiting Scientist Lecture. CVD. University of Maryland. USA, August 30, 2016.
22. Maternal influenza immunization: A policy approach. 2017 Frontiers in Vaccinology. UMSOM. Baltimore, Maryland. December 13, 2017
23. Global Influenza Vaccine Policy: the Evolution of Evidence-Based Public Health Practice. International Vaccine Access Center, Johns Hopkins School of Public Health. Baltimore, Maryland. December 14, 2017.

24. LAIV Effectiveness: The Global View. Annual Conference on Vaccinology Research. Bethesda, USA. 25 April 2018.
25. Adult immunization in low-resource settings: preparing for COVID-19 vaccine deployment. Edith McGill Lectureship at Pulmonary Grand Rounds. Vanderbilt University Medical Center. September 18, 2020.

International

26. Global influenza surveillance. Pan-American Health Organization, Caribbean Epidemiology Center Influenza Surveillance Meeting. Washington, DC. USA, November 29, 2006.
27. Global overview of avian influenza. Pan American Health Organization, CDC Avian Influenza Surveillance and Grantees Workshop. Washington, DC. USA, February 1, 2007.
28. Pan American Health Organization, CDC generic influenza surveillance protocol. Pan American Health Organization, CDC Avian Influenza Surveillance and Grantees Workshop. Washington, DC. USA, February 1, 2007.
29. Pan American Health Organization, CDC Generic Influenza Surveillance protocol. Pan American Health Organization Southern Cone regional influenza surveillance workshop. Mar del Plata, Argentina, February 27, 2007.
30. Enhanced national influenza surveillance. Pan American Health Organization Southern Cone regional influenza surveillance workshop. Mar del Plata, Argentina, February 28, 2007.
31. Pan American Health Organization, CDC generic influenza surveillance protocol. Pan American Health Organization Andean regional influenza surveillance workshop. Lima, Peru, May 21, 2007.
32. Enhanced national influenza surveillance. Pan American Health Organization Andean regional influenza surveillance Workshop. Lima, Peru, May 22, 2007.
33. Objectives of influenza surveillance. WHO Global Influenza Surveillance Guideline Revision Workshop. Geneva, Switzerland, December 13, 2010.
34. Influenza immunization in pregnant women. South African Maternal Influenza Vaccination Trial Meeting of the Data and Safety Monitoring Board and Investigators. Johannesburg, South Africa, February 21, 2011.
35. Influenza surveillance strategy. WHO Consultation on Global Tools and Manual for Influenza Surveillance. Geneva, Switzerland, March 8, 2011.
36. Influenza burden of disease in pregnancy. WHO Workshop on Influenza Burden of Disease and Economic Analysis. Bali, Indonesia, June 5, 2012.
37. Influenza vaccine prioritization. Afriflu Influenza Symposium. Cape Town, South Africa, November 8, 2012.
38. Maternal immunization. Fondation Mérieux international expert meeting on influenza vaccines as a tool to estimate the burden of severe influenza. Annecy, France, November 30, 2012.
39. Priority risk factor research for influenza burden of disease. WHO Informal Consultation on Influenza Disease Burden, Geneva, Switzerland, December 6, 2012.
40. LAIV clinical trials. PATH Meeting on LAIV Vaccine Trials in Infants and Young Children. Washington, DC. USA, July 9, 2013.
41. Influenza vaccine effectiveness. Meeting of the Partnership for Influenza Vaccine Introduction. Decatur, Georgia. USA, December 3, 2013.
42. Maternal influenza immunization. Influenza Vaccine Supply International Task Force Meeting of the International Federation of Pharmaceutical Manufacturers & Associations. Geneva, Switzerland, February 19, 2014.

43. Influenza vaccine effectiveness and WHO policy development. Meeting to develop guidance for field evaluation of influenza vaccine effectiveness. Geneva, Switzerland, February 22, 2014.
44. WHO Initiative for Vaccine Research. WHO Meeting with International Partners on Prospects for Influenza Vaccine Technology Transfer to Developing Country Vaccine Manufacturers. Dubai. United Arab Emirates, March 25, 2014.
45. Influenza vaccine safety. Training Workshop on Adverse Events Following Immunization (AEFI) Causality Assessment and Communication Capacity Building for Immunization. Manila, Philippines, May 12, 2014.
46. Influenza vaccine implementation research. Ad-Hoc IVIR-AC Working Group Meeting. Geneva, Switzerland, June 17, 2014.
47. Maternal immunization. WHO Consultation on influenza vaccines for pregnant and lactating women: Clinical data requirements for product labelling. Geneva, Switzerland, July 15, 2014.
48. Introductions, meeting procedures, and rationale. WHO meeting to develop Brighton collaboration definitions for events of special interest for monitoring and evaluation of immunization in pregnancy. Geneva, Switzerland, July 24, 2014.
49. Influenza vaccines. Influenza Vaccine Supply International Task Force Meeting of the International Federation of Pharmaceutical Manufacturers & Associations. Geneva, Switzerland, September 24, 2014.
50. Maternal influenza immunization. Meeting of the Global Advisory Group on Vaccine Safety Pregnancy Sub-Group. Geneva, Switzerland, September 29, 2014.
51. Influenza vaccines. Influenza Vaccine Supply International Task Force Meeting of the International Federation of Pharmaceutical Manufacturers & Associations. Geneva, Switzerland, February 25, 2015.
52. Maternal immunization. Technical Consultation on Maternal Influenza Immunization Evidence and Implementation. Geneva, Switzerland, March 25, 2015.
53. Implementation research gaps for furthering maternal immunization. Meeting of the Strategic Advisory Group of Experts on Immunization (SAGE). Geneva, Switzerland, April 16, 2015.
54. Endpoints for safety monitoring during pregnancy and early childhood. Meeting of the Global Advisory Group on Vaccine Safety Pregnancy Sub-Group. Geneva, Switzerland, May 18, 2015.
55. Influenza. WHO Product Development for Vaccines Advisory Committee (PDVAC) meeting. Geneva, Switzerland, September 09, 2015.
56. WHO agenda on maternal immunization. WHO working group meeting on the development of guidelines on labelling influenza vaccines intended to be used in pregnant women. Geneva, Switzerland, September 24, 2015.
57. The effect of maternal influenza and influenza vaccination on the developing foetus: the need for evidence. Technical Consultation on the Effect of Maternal Influenza and Influenza Vaccination on the Developing Foetus. Montreal, Canada, September 30, 2015.
58. H1N1 vaccine and narcolepsy. Meeting of the Global Advisory Committee on Vaccine Safety. Geneva, Switzerland, December 3, 2015.
59. Influenza vaccines. Influenza Vaccine Supply International Task Force Meeting of the International Federation of Pharmaceutical Manufacturers & Associations. Geneva, Switzerland, February 24, 2016.
60. WHO agenda on maternal immunization. WHO informal consultation on labelling information of influenza vaccines intended to be used for pregnant women. Geneva, Switzerland, April 4, 2016.

61. WHO agenda on maternal immunization. WHO Consultation on RSV Vaccine Development. Geneva, Switzerland, April 25, 2016.
62. Influenza. WHO Product Development for Vaccines Advisory Committee (PDVAC) meeting. Geneva, Switzerland, June 9, 2016.
63. WHO efforts to promote next-generation influenza vaccines. Eighth WHO meeting on development of influenza vaccines that induce broadly protective and long-lasting immune responses. Chicago, USA, August 23, 2016.
64. Influenza vaccines. Influenza Vaccine Supply International Task Force Meeting of the International Federation of Pharmaceutical Manufacturers & Associations. Geneva, Switzerland, September 28, 2016.
65. Emerging issues with influenza vaccine effectiveness. ADVAC Alumni meeting. Geneva, Switzerland, October 18, 2016.
66. Vaccination Policies and Vaccine Programmatic Considerations in Risk Groups. Third WHO Consultation on Global Action Plan for Influenza Vaccines (GAP III). Geneva, Switzerland, November 15, 2016.
67. Towards the Future: Preferred Product Characteristics' Needs and Gaps. Third WHO Consultation on Global Action Plan for Influenza Vaccines (GAP III). Geneva, Switzerland, November 16, 2016.
68. Knowledge gaps related to LAIV, repeated influenza vaccination, and vaccinating pregnant women. Consultation for Updating WHO Public Health Research Agenda for Influenza: Meeting of the Technical Working Groups. Geneva, Switzerland, December 6, 2016.
69. Influenza Vaccines for Pregnant Women: the Challenges of Translating Policy to Practice. Centers for Disease Control and Prevention. Atlanta, USA, January 11, 2017.
70. WHO Immunization Policies for the Elderly. WHO Meeting on Immunization in the Elderly. Geneva, Switzerland, March 22, 2017.
71. Report of the WHO Taskforce to Evaluate Influenza Data to Inform Vaccine Impact and Economic Modelling. Gavi, the Vaccine Alliance. Geneva, Switzerland, May 05, 2017.
72. Influenza vaccine development: WHO recommendations for vaccine developers. Universal Flu Vaccine workshop, European Commission, Brussels, Belgium. June 14, 2017.
73. Current controversies in maternal influenza immunization research and their implications for global health policy-making. Symposium on methodological challenges of studying perinatal outcomes following vaccination in pregnancy: A case study on influenza Vaccine. Society for Epidemiologic Research Annual Meeting. Seattle, Washington. June 21, 2017.
74. Sample size estimation for RSV vaccine prevention of asthma/recurrent wheeze. WHO RSV vaccine technical advisory group meeting. Málaga, Spain. November 29, 2017.
75. Immunization across the life-span-What will it take? A global perspective. World Vaccine Congress, Washington DC, 2 April 2018.
76. Influenza Vaccination: How Collaboration and Advocacy Can Increase Uptake. International Federation of Aging Meeting on Vaccination and At-Risk Population of Adults with Heart and Lung Conditions. Stockholm, Sweden. 12 October 2018.
77. Immunization across the life-span. European Centres for Disease Control Scientific Seminar Series. Stockholm, Sweden. 19 October 2018.
78. Meeting on Methodological Considerations and Measurement of Respiratory Sequelae Associated with RSV Infection. WHO. Geneva, Switzerland. February 12, 2019.
79. Prioritization of Prevention-Global Priorities. Immunisation for Life Summit. Washington DC. June 5-6, 2019.

80. Benefits of influenza vaccination to older adults from a global perspective. New York, NY. End Immunisation Inequality toward Healthy Ageing Event at the United Nations. October 11, 2019.
81. A life-course and inclusive approach to vaccination strategies. International Pharmaceutical Federation (FIP) Webinar: The value of vaccines for society and special populations. September 14, 2020.
82. Immunisation for All Ages Webinar Series: Driving Policy to Action. October 8, 2020
83. Adult immunization in low-resource settings: preparing for COVID-19 vaccine deployment. Edith McGill Lectureship at Pulmonary Grand Rounds. Vanderbilt University Medical Center. September 18, 2020.
84. Fighting COVID-19: Clinical Trials, Vaccines, and Global Response. American Thoracic Society International Conference. May 14, 2021.
85. COVID Vaccine and the Respiratory Patient: How Does It Work, What to Expect? American Thoracic Society Meet-the-Experts Roundtable. May 15, 2021.
86. Moderator, WHO Meeting to Assess RSV Prevention Cost Effectiveness in Low- and Middle-Income Countries. April 6-7, 2022
87. Moderator, Vaccines and Global Health. GSK Vaccine Virtual Days. March 29, 2023
88. The Importance of Vaccines and Immunization to Respiratory Health. American Thoracic Society International Conference. May 22, 2023.
89. Practical Aspects of Vaccination. American Thoracic Society Public Advisory Roundtable (PAR). November 8, 2023.
90. Panelist, Defining Success Using CHIVIM in Vaccine Development. National Institute of Allergy and Infectious Diseases (NIAID) Controlled Human Influenza Virus Infection Model Studies: Current Status and Future Directions for Innovation. November 13-14, 2023.
91. Preventing RSV: Providing Older Patients With The Information They Need. American Thoracic Society International Conference. May 20, 2024.
92. Toward a Universal Flu Vaccine. American Thoracic Society International Conference. May 20, 2024.
93. A Phase 1 Randomized, Placebo Controlled, Safety, Tolerability, and Immunogenicity Study of Two Doses of Intranasal Recombinant H5 Influenza Vaccine with and without Nanoemulsion Adjuvant Followed by One Boosting Dose of Intramuscular Influenza A (H5N1) Vaccine. NIAID CIVICs Webinar Series. June 6, 2024.
94. 2024 CVD CIVICs Year in Review. NIAID CIVICs Annual Meeting. Anticipated August 5, 2024.
95. Panel discussion. CIVICs Clinical Goals. NIAID CIVICs Annual Meeting. Anticipated August 5, 2024.