

Daniel M. Pastula, MD, MHS

Neurologist & Medical Epidemiologist | Public Health, Policy, and Sustainability

Physician Licenses: CO (2013–present), WY (2017–present), NE (2022–present), CA (2010–2020)

Board Certification: Neurology (2013–present) by American Board of Psychiatry and Neurology (ABPN)

Updated: October 5, 2026

Summary

I am a board-certified neurologist, CDC-trained medical epidemiologist (EIS), U.S. Public Health Service veteran, former first responder EMT, educator, and academic medicine and public health leader. My work and interests span neurohospitalist medicine, neuro-infectious and emerging infectious diseases, global neurology, epidemiology and public health, emergency preparedness and response, climate and environmental health, public policy, and education.

My career has given me unusually broad experience across healthcare, government, science, education, business, and the environment. I bring strengths in strategy, advocacy, policy, communication, and translating complex science into practical, real-world action.

I hold an MD, an MHS in clinical research and epidemiology, a certificate in climate medicine, and am completing an MBA in leadership and sustainability.

Positions and Appointments

Vice Chair for Faculty Affairs (Interim), Department of Neurology; University of Colorado
(September 2026–present)

Professor of Neurology, Medicine (Infectious Diseases), and Epidemiology; University of Colorado
and Colorado School of Public Health (July 2024–present)

Neuro-Infectious Diseases and Global Neurology Section Chief, University of Colorado (January 2022–present)

Neuro-Infectious Diseases and Autoimmune Neurology Fellowship Director, University of Colorado
(January 2016–present)

Senior Investigator and Global Neurology Lead, Center for Global Health, Colorado School of Public Health
(April 2024–present)

Global Neurology Education Director, University of Colorado (January 2019–present)

Neuro-Infectious Diseases Advocacy Co-Chair, American Academy of Neurology (AAN) (April 2025–present)

U.S. Polio Eradication National Certification Committee Member, The Task Force for Global Health
(October 2023–present)

Affiliate Neurologist and Medical Epidemiologist, Centers for Disease Control and Prevention (CDC)
(July 2015–present)

Epilepsy Lead (Acting), Centers for Disease Control and Prevention (CDC) (April 2025–September 2025)

Vice President, State Board of Health, State of Colorado (January 2023–January 2025)

State Board of Health At-Large Member, State of Colorado (September 2017–December 2025)

Governor's Expert Emergency Epidemic Response Committee (GEEERC) Member, State of Colorado
(September 2017–April 2025)

Consulting Outbreak Medical Epidemiologist and Policy Advisor, Colorado Department of Public Health and Environment (CDPHE) (March 2020–July 2023)

Associate Professor of Neurology, Medicine (Infectious Diseases), and Epidemiology; University of Colorado and Colorado School of Public Health (July 2019–June 2024)

COVID-19 Department Leader, Department of Neurology, University of Colorado and UCHealth (March 2020–December 2022)

Assistant Professor of Neurology, Medicine (Infectious Diseases), and Epidemiology; University of Colorado and Colorado School of Public Health (July 2016–June 2019)

Staff Neurohospitalist, Denver VA Medical Center, U.S. Department of Veterans Affairs (VA) (January 2018–June 2019)

Associate Neurology Clerkship Director, University of Colorado (July 2015–June 2018)

Assistant Professor of Neurology, University of Colorado (July 2015–June 2016)

Assistant Clinical Professor of Neurology, University of Colorado (June 2014–June 2015)

Volunteer Staff Neurologist, Denver VA Medical Center, U.S. Department of Veterans Affairs (VA) (June 2014–June 2015)

Epidemic Intelligence Service (EIS) Officer, Centers for Disease Control and Prevention (CDC) (June 2013–June 2015)

Lieutenant Commander (O-4)/Medical Officer, U.S. Public Health Service Commissioned Corps (June 2013–June 2015)

Chief Neurology Resident for Educational Conferences and Technology, University of California San Francisco (UCSF) (July 2012–June 2013)

Neurology Resident and Internal Medicine Intern, University of California San Francisco (UCSF) (June 2009–June 2013)

Skywarn Storm Spotter, National Weather Service (July 2008–present)

Community Health Advocate, North Carolina Alliance for Health (January 2007–May 2009)

High School Public Health Teacher, HEY-Durham Program and Durham Public Schools (August 2005–May 2007)

High School Science Teacher, Cardinal Spellman High School (September 2003–June 2004)

High School Science Teacher (Summer), Saint Joseph High School (June 2003–August 2003)

Emergency Medical Technician, Scotch Plains Rescue Squad (June 1999–August 2004)

Radio Disc Jockey, WBRU 95.5 FM (September 1999–December 2000)

Education and Training

Master of Business Administration (MBA) (In Progress), Managing for Sustainability; University of Colorado Denver, Denver, CO (January 2024–expected December 2026)

- Professional MBA program focused on transformational leadership; environmental, workforce, and organizational sustainability; and strategic management
- Coursework included data analytics, leadership of individuals and teams, accounting analysis and interpretation, business/organizational law and ethics, artificial intelligence/information systems strategy, marketing dynamics in digital age, global climate change, transformative leadership, applied managerial economics, executive insights in global leadership, sustainability

- management, environmental sustainability and stewardship, financial management, operations management, and strategic management
- Earned top grades in MBA coursework, including the highest grade in both accounting and financial management within my graduate business school cohort
- Additional focus on global organizational and healthcare leadership through study in South America
- Concurrently completed a Foundations in Climate Medicine Certificate at University of Colorado focused on the health impacts of climate and environmental change
- Drafted a proposal for UCHHealth to reduce use of single-use plastics and improve plastics management
- Experience using Tableau, JMP, and Excel for data visualization, statistical analysis, modeling, and decision support

Epidemic Intelligence Service (EIS); Centers for Disease Control and Prevention (CDC); Atlanta, GA, and Fort Collins, CO (June 2013–June 2015)

- “EIS officers serve on the front lines of public health, protecting Americans and the global community, while training under the guidance of seasoned mentors. When disease outbreaks or other public health threats emerge, EIS officers investigate, identify the cause, rapidly implement control measures, and collect evidence to recommend preventive actions.” -CDC EIS website
- Served as an EIS officer and U.S. Public Health Service Commissioned Corps lieutenant commander/medical officer for the CDC Arboviral Diseases Branch (ADB) within the Division of Vector-Borne Diseases (DVBD) in Fort Collins, Colorado
- Experience using CDC Epi Info for data visualization, epidemiologic studies, and statistics
- Please see other sections for additional details

Neurology Residency and Internal Medicine Internship; University of California San Francisco (UCSF); San Francisco, CA (June 2009–June 2013)

- Chief neurology resident for educational conferences and technology (2012–2013)
- Evaluated and treated patients with various acute and chronic neurologic conditions in inpatient, outpatient, and emergency room settings
- Worked in academic (UCSF), public (San Francisco General Hospital), and Veterans Affairs (San Francisco VA) medical centers
- Supervised and taught medical students, non-neurology residents, and junior neurology residents
- Completed an internal medicine internship during the first year of neurology residency, including rotations in internal medicine, cardiology, and critical care (2009–2010)
- Successfully passed the American Board of Psychiatry and Neurology (ABPN) initial neurology board exam with a 93% score
- Please see other sections for additional details

Doctor of Medicine (MD); Duke University; Durham, NC (August 2004–May 2009)

- Trained in basic medical science, clinical medicine, and environmental medicine/toxicology
- Earned honors grades in biochemistry, genetics, cell biology, anatomy/physiology, neurobiology, pathology, microbiology, and pharmacology classes
- Earned clinical honors or high pass grades in neurology, neuromuscular medicine, psychiatry,

infectious diseases, occupational/environmental medicine/toxicology, family medicine, pediatrics, obstetrics/gynecology, radiology, general surgery, emergency medicine, and internal medicine rotations

- Successfully passed U.S. Medical Licensing Examination (USMLE) step 1 (256/99), step 2CK (258/99), step 2CS (pass), and step 3 (248/99) exams
- Completed a 6-week CDC epidemiology elective in the Division of Health Care Quality Promotion (DHQP) and assisted in two nosocomial infectious disease outbreak investigations
- Please see other sections for additional details

Master of Health Sciences (MHS), Clinical Research; Duke University; Durham, NC
(August 2006–May 2008)

- Trained in epidemiology, biostatistics, research methods, and evidence-based medicine
- Designed and critically reviewed epidemiologic, observational, and experimental studies
- Earned honors in biostatistics, statistical modeling, and research methods classes
- Earned research honors for an epidemiologic study examining survival in military veterans with ALS
- Gained experience in SAS Enterprise Guide for data visualization and statistics
- Please see other sections for additional details

Bachelor of Science (ScB), Biophysics; Brown University; Providence, RI (September 1999–May 2003)

- Studied biology, physics, chemistry, math, meteorology, history, political science, philosophy, literature, business, and architecture
- Earned a 4.0 GPA and was awarded a biophysics degree magna cum laude with departmental honors
- Earned research honors for a project examining occupational radiation exposure during fluoroscopy
- Elected to the Sigma Xi Scientific Research Honor Society
- Please see other sections for additional details

Leadership and Administrative Experience

Vice Chair for Faculty Affairs (Interim); Department of Neurology, University of Colorado; Aurora, CO
(September 2026–present)

- Aligned mission, vision, values, organizational structure, and department communications
- Chaired the Department Evaluation Committee and oversaw promotion and early-career reviews
- Advised faculty on promotion, mentorship, career development, recruitment, and retention
- Conducted faculty performance reviews across clinical, research, educational, and service missions
- Addressed faculty performance, professionalism, workplace climate, wellness, and barriers to success
- Supported faculty recognition, leadership development, and succession planning
- Advised leadership on appointments, compensation, policy, governance, and other faculty matters

Neuro-Infectious Diseases and Global Neurology Section Chief; Department of Neurology, University of Colorado; Aurora, CO (January 2022–present)

- Served as founding administrative chief of the new Neuro-Infectious Diseases and Global Neurology Section, overseeing planning, budgeting, execution, and management
- Created, organized, and led the University of Colorado Neuro-Infectious Diseases Group, a multidisciplinary group with clinical, research, and educational interests in neuro-infectious and emerging infectious diseases (12 faculty members across neurology and infectious diseases)

- Developed strategic mission, vision, and values statements for the Neuro-Infectious Diseases Group
- Created, organized, and led the University of Colorado Global Neurology Group, a multidisciplinary group interested in improving neurologic care, education, and research across the globe (6 faculty members across neurology and infectious diseases)
- Developed websites for the [Neuro-Infectious Diseases Group](#) and [Global Neurology Group](#)
- Served on the Department of Neurology Clinical Affairs Committee and Section Chief Committee
- Served on a clinical specialty and peer review committee for University of Colorado Hospital
- Served as a section chief and LGBTQ+ representative on the Department of Neurology Health Access and Engagement (HAE) Task Force
- Please see Clinical Experience; Teaching, Education, and Mentoring Experience; and Communications, Media, and External Relations Experience for additional details

Vice President, State Board of Health; State of Colorado (January 2023–January 2025)

- Unanimously elected by the Board as Vice President in 2023 and unanimously re-elected in 2024
- Served as Acting President and led Board meetings in the President's absence
- Chaired and moderated rulemaking hearings addressing a broad range of public health issues
- Please see Public Policy, Government, and Advocacy Experience for additional details

State Board of Health Member (At-Large, Statewide); State of Colorado (September 2017–December 2025)

- Served for over eight years as an at-large, statewide member of Colorado's principal public health policymaking board
- Reviewed and deliberated on statewide public health rules, programs, budgets, grants, and emergency-response policies
- Chaired and moderated rulemaking hearings and participated in over 85 public meetings
- Reviewed technical documents and budgets, listened to stakeholders, and deliberated with fellow Board members
- Served as the Board of Health representative to the Governor's Expert Emergency Epidemic Response Committee (GEEERC)
- Please see Public Policy, Government, and Advocacy Experience for additional details

Governor's Expert Emergency Epidemic Response Committee (GEEERC) Member; State of Colorado (September 2017–April 2025)

- Served as the State Board of Health representative to the GEEERC and provided epidemic/outbreak consultation and advice on an emergency basis
- Advised two governors of Colorado and two executive directors of CDPHE on epidemic and public health emergency preparedness and response
- Critically reviewed and supported Colorado Crisis Standards of Care and other major statewide emergency-response policies
- Critically reviewed and supported phased implementation of the first COVID-19 vaccinations in Colorado
- Please see Public Policy, Government, and Advocacy Experience for additional details

Neuro-Infectious Diseases and Autoimmune Neurology Fellowship Director; University of Colorado; Aurora, CO (January 2016–present)

- Directed fellowship administration, recruitment, curriculum, and trainee oversight

- Supervised, taught, and mentored neuro-infectious diseases/autoimmune neurology fellows, training 14 fellows to date

- Established financial solvency through grants and clinical billing after unexpected budget cuts

- Please see Teaching, Education, and Mentoring Experience for additional details

Global Neurology Education Director; University of Colorado; Aurora, CO (January 2019–present)

- Directed the University of Colorado’s global neurology education program

- Developed and coordinated international neurology education initiatives and institutional partnerships

- Oversaw global neurology trainee curriculum and rotation activities

- Developed and led a global neurology resident rotation in Suva, Fiji, in collaboration with the Fiji Ministry of Health and Colonial War Memorial Hospital

- Collaborated with the School of Medicine, Colorado School of Public Health, and international partners to improve global health education and rotation logistics

- Helped coordinate global neurology activities within the Center for Global Health

- Please see Teaching, Education, and Mentoring Experience for additional details

Epilepsy Lead (Acting); Centers for Disease Control and Prevention (CDC); Atlanta, GA (April 2025–September 2025)

- Served as acting CDC Epilepsy Lead and sole neurologist subject matter expert after significant reorganization in 2025

- Provided clinical neurology and epidemiologic leadership for CDC epilepsy activities

- Represented CDC in collaborative epilepsy activities with NIH and other national partners

- Please see Medical Epidemiology, Public Health, and Scientific Experience for additional details

COVID-19 Department Leader; Department of Neurology, University of Colorado and UHealth; Aurora, CO (March 2020–December 2022)

- Served as the COVID-19 department leader for the UHealth incident command system

- Led COVID-19 outbreak preparedness and emergency response efforts for the department

- Provided COVID-19 clinical, epidemiologic, and logistical updates for both the department and incident command system

- Please see Medical Epidemiology, Public Health, and Scientific Experience and Teaching, Education, and Mentoring Experience for additional details

Consulting Outbreak Medical Epidemiologist and Policy Advisor; Colorado Department of Public Health and Environment (CDPHE); Denver, CO (March 2020–July 2023)

- Co-led Colorado’s workplace/business and industry COVID-19 outbreak prevention and response team

- Co-led the emergency COVID-19 clinical vaccine information team for CDPHE

- Deployed across multiple teams within CDPHE during the COVID-19 pandemic, including the initial field outbreak investigation, mountain region support, policy guidance, industry and workplace, clinical vaccine, and medical guidance teams

- Deployed to assist Summit County with COVID-19 preparedness, assessment, and response during the start of the COVID-19 outbreak in March 2020

- Helped coordinate statewide outbreak guidance and response across businesses, industries, local public health agencies, and state partners

- Please see Medical Epidemiology, Public Health, and Scientific Experience; Public Policy,

Government, and Advocacy Experience; and Teaching, Education, and Mentoring Experience for additional details

Epidemic Intelligence Service (EIS) Officer; Centers for Disease Control and Prevention (CDC); Atlanta, GA, and Fort Collins, CO (June 2013–June 2015)

- Served simultaneously as a Lieutenant Commander (O-4)/Medical Officer, U.S. Public Health Service Commissioned Corps
- Led and co-led outbreak investigations and emergency public health responses nationally and internationally
- Coordinated multidisciplinary field teams and collaborated with local, state, federal, and international public health partners
- Please see Medical Epidemiology, Public Health, and Scientific Experience and Uniformed Service Experience for additional details

Chief Neurology Resident for Educational Conferences and Technology; University of California San Francisco (UCSF); San Francisco, CA (July 2012–June 2013)

- Served as chief resident overseeing educational conferences for the neurology residency program
- Helped keep residents up to date on emerging clinical technology and digital tools relevant to neurologic practice and education
- Supervised and taught medical students, non-neurology residents, and junior neurology residents
- Please see Teaching, Education, and Mentoring Experience for additional details

Clinical Experience

Neurohospitalist and Neuro-Infectious Diseases Attending Physician; University of Colorado Hospital and Denver VA Medical Center; Aurora, CO (July 2015–present)

- Faculty appointments in the Neuro-Infectious Diseases and Global Neurology, Neurohospitalist, Stroke/Neurovascular, and Autoimmune Neurology sections in the Department of Neurology
- Independently evaluated and treated patients with a broad range of neurologic conditions
- Served as an attending neurohospitalist on the general neurology, stroke, and neurology consultation inpatient services at the University of Colorado Hospital (2015–present) and Denver VA Medical Center (2018–2019)
- Served as a telestroke attending covering hospitals throughout Colorado and Wyoming as well as on the Mobile Stroke Treatment Unit (MSTU) in Aurora and Colorado Springs
- Frequently provided clinical service above assigned clinical FTE at the University of Colorado and Denver VA Medical Center (VAMC) during faculty shortages
- Consulted on neuro-infectious disease cases in both inpatient and outpatient settings
- Consulted on neurologic and neuro-infectious disease cases from across the multistate region
- Streamlined neuro-infectious and neuroinflammatory disease laboratory diagnostics
- Collaboratively created guidelines for use of a system-wide multiplex meningoencephalitis panel
- Updated UCHHealth's West Nile virus diagnostics based on the latest available data
- Served as an outpatient consultative neurologist in the neurology resident clinic
- Created and implemented inpatient neurohospitalist consultation guidelines
- Revised and implemented the emergency department acute headache management pathway

- Triage consults for consultative neurology and general neurology clinics at UCH and Denver VAMC
- Served as a peer reviewer for clinical faculty re-credentialing at UCH and Denver VAMC
- Served on a clinical specialty and peer review committee for University of Colorado Hospital
- Served on the department's health outcomes, access, and engagement task force
- Unanimously awarded excellence in clinical activities by department and school of medicine promotion committees
- Named as one of Denver 5280 Magazine's "Top Doctors" in neurology
- Elected Fellow of the American Academy of Neurology (FAAN) in part because of my clinical neurology and administrative accomplishments
- Elected Fellow of the Infectious Diseases Society of America (FIDSA) for professional excellence in infectious diseases and providing significant service to the field
- Joined as full member of Neurohospitalist Society and Infectious Diseases Society of America (IDSA)
- Obtained a secondary clinical appointment in the Department of Medicine (Infectious Diseases) in 2016
- Please see other sections for additional details

Medicolegal Consultant and Expert; University of Colorado; Aurora, CO (July 2015–present)

- Served as a medicolegal consultant and expert in acute neurologic, neuro-infectious, and emerging infectious disease cases for both plaintiffs and defendants in multiple states
- Investigated and explained complex acute neurologic and neuro-infectious disease medicolegal cases (with nearly all cases being satisfactorily resolved before trial)
- Reviewed medicolegal records and images, authored expert opinion reports, testified at depositions, and traveled as necessary

Volunteer Staff Neurologist; Denver VA Medical Center; Denver, CO (June 2014–June 2015)

- Supervised general neurology outpatient resident clinic monthly and oversaw residents and students
- Independently evaluated and treated patients with a broad range of neurologic conditions
- Please see other sections for additional details

Neurology Resident and Internal Medicine Intern; University of California San Francisco (UCSF); San Francisco, CA (June 2009–June 2013)

- Evaluated and treated patients with various acute and chronic neurologic conditions in inpatient, outpatient, and emergency room settings across university, public, and VA hospital settings
- Completed an internal medicine internship during the first year of neurology residency, including rotations in internal medicine, cardiology, and critical care (2009–2010)
- Dedicated 100% effort as a neurology resident and internal medicine intern throughout residency
- Please see other sections for additional details

Medical Student; Duke University; Durham, NC (August 2004–May 2009)

- Trained in various clinical specialties including neurology, neuromuscular medicine, psychiatry, infectious diseases, occupational/environmental medicine/toxicology, family medicine, pediatrics, obstetrics/gynecology, radiology, general surgery, emergency medicine, and internal medicine rotations
- Please see other sections for additional details

Emergency Medical Technician; Scotch Plains Rescue Squad; Scotch Plains, NJ (June 1999–August 2004)

- Provided volunteer emergency basic life support and first aid to my community as a first responder

- Licensed as an emergency medical technician (EMT) basic in the State of New Jersey
- Trained in basic life support, first aid, disaster response, medical triage, and defensive driving
- Supervised and taught EMT cadets basic life support skills
- Please see other sections for additional details

Medical Epidemiology, Public Health, and Scientific Experience

Affiliate Neurologist and Medical Epidemiologist; Centers for Disease Control and Prevention (CDC); Atlanta, GA, and Fort Collins, CO (July 2015–present)

- Served as an arboviral disease and neurologic disease subject matter expert for the Division of Vector-Borne Diseases and other CDC divisions
- Consulted on arboviral and neurologic disease clinical cases from across the U.S. and world
- Consulted on yellow fever and Japanese encephalitis virus clinical vaccine questions
- Reviewed and interpreted arboviral testing results for patients within the U.S. and around the world
- Reviewed and classified Zika-associated neurologic disease cases throughout the U.S.
- Frequently communicated with state and local health departments regarding arboviral disease cases
- Researched and updated potential West Nile virus treatment strategies for the CDC website
- Researched and drafted/updated fact sheets, presentations, and websites for Cache Valley, Heartland, Jamestown Canyon, Usutu, West Nile, and Zika virus diseases
- Researched and updated clinical definitions for ArboNET, the national arboviral surveillance system
- Researched and reviewed Usutu virus literature and presented to the FDA on potential blood safety risk
- Served as a co-investigator on epidemiologic studies examining Heartland and Bourbon virus diseases in Missouri and across the U.S.
- Nominated for the CDC Charles Shepard science award for investigating Heartland virus throughout the United States
- Deployed and served as a co-investigator on a Powassan virus human serosurvey investigation in rural New Jersey
- Reviewed and assisted in protocol and survey tool development for a Colorado tick fever virus disease study in Montana
- Deployed to Puerto Rico as an arboviral and neurologic disease subject matter expert to assist the Puerto Rico Department of Health (PRDH) and CDC with the Zika outbreak response
- Deployed and served as a co-investigator on a study to establish GBS and other neurologic disease baseline incidence in Puerto Rico during a Zika virus outbreak
- Consulted on Guillain-Barré syndrome (GBS) and other neurologic disease cases in Puerto Rico during a Zika virus outbreak
- Co-designed and implemented a GBS surveillance system in Puerto Rico during a Zika virus outbreak
- Created a GBS clinical management presentation for Puerto Rican clinicians and public health officials
- Deployed and served as a co-investigator studying long-term neurologic sequelae among Native Americans with Rocky Mountain spotted fever (RMSF) in Arizona tribal communities
- Collaborated to update the CDC naturally acquired and bioterrorism plague treatment guidelines
- Critically reviewed CDC's Viral Tickborne Disease training module
- Served as a neuro-epidemiologic consultant for the Epilepsy Team in the Division of Population Health

- Served as acting CDC Epilepsy Lead and sole neurologist subject matter expert (SME) after significant reorganization in 2025
- Researched and drafted a Medscape article to educate physicians on current seizure terminology
- Assisted in epidemiologic reviews of all diagnosed epilepsy cases and active epilepsy cases in older adults within the U.S.
- Reviewed cases of congenital Zika virus syndrome with motor abnormalities and epilepsy
- Organized and presented at a joint CDC-NIH conference on epilepsy health services research
- Co-represented CDC at the NIH Interagency Collaborative to Advance Research in Epilepsy (ICARE), NIH Curing the Epilepsies, and American Epilepsy Society (AES) conferences
- Served as an expert clinical neurology reviewer for the VA Schedule for Rating Disabilities for neurological conditions and convulsive disorders
- Consulted with other CDC centers (NCIRD) and other agencies (FDA) on febrile seizures
- Served as a clinical and radiographic reviewer for the Acute Flaccid Myelitis (AFM) Team within the Division of Viral Diseases
- Reviewed and classified cases of acute flaccid myelitis (AFM)/poliomyelitis throughout the U.S.
- Researched and co-developed an updated surveillance definition for acute flaccid myelitis (AFM) with CDC and CSTE
- Participated in CDC expert roundtables with national and international partners regarding acute flaccid myelitis (AFM)/poliomyelitis etiologies, diagnoses, and potential treatments
- Consulted with international and national public health partners regarding acute flaccid paralysis cases in the Republic of the Marshall Islands
- Served as a neuro-epidemiologic consultant for other divisions within CDC such as the Division of High Consequence Pathogens and Pathology and Division of State and Local Readiness
- Served as a co-investigator studying unexplained events among U.S. government personnel living and working overseas (e.g., Cuba and China)
- Collaborated with multiple government agencies on studying such unexplained events among U.S. government personnel living and working overseas
- Provided emergent clinical and epidemiologic consultation to CDC and FDA regarding atypical cerebral venous sinus thrombosis cases after the J&J/Janssen COVID-19 vaccine
- Consulted on mpox virus neurologic disease cases throughout the U.S. during the 2022 outbreak
- Assisted in drafting CDC interim treatment considerations for severe mpox virus disease
- Passed all required Collaborative Institutional Training Initiative (CITI) research program trainings
- Awarded multiple awards for my investigations and research (see below for details)
- Completed multiple CDC and Department of State international safety and security trainings (e.g., High Threat Security Overseas Seminar, Counter Threat Awareness Training, Working in an Embassy, Preparing for Work Overseas, multiple Foreign Travel Safety Briefings)
- Extensive international travel experience throughout North America, Europe, and Oceania
- Dedicated ~20–50% effort (depending on specific time frame) based on several CDC divisions' needs
- Please see other sections for additional details

Neurologist and Medical Epidemiologist; Departments of Neurology, Medicine (Infectious Diseases), and Epidemiology; University of Colorado and Colorado School of Public Health; Aurora, CO (July 2015–present)

- Led COVID-19 outbreak preparedness and response efforts for the Department of Neurology
- Provided COVID-19 clinical, epidemiologic, and logistical updates for both the department and incident command system
- Streamlined neuro-infectious and neuroinflammatory disease laboratory diagnostics
- Collaboratively created guidelines for use of a system-wide multiplex meningoencephalitis panel
- Streamlined processes for reporting neurologic conditions to CDPHE
- Investigated a cluster of Guillain-Barré syndrome (GBS) cases at the University of Colorado Hospital
- Investigated a cluster of cervical artery dissection cases at the University of Colorado Hospital
- Investigated a cluster of acute flaccid myelitis (AFM)/poliomyelitis cases at the University of Colorado Hospital in conjunction with CDPHE
- Collaborated with military physicians to review possible agents of neuro-terrorism/bioterrorism
- Briefed American Academy of Neurology (AAN) members on the 2024 Oropouche virus outbreak
- Briefed American Academy of Neurology (AAN) members on the 2022 mpox virus outbreak
- Consulted on mpox virus neurologic disease cases throughout the U.S. during the 2022 outbreak
- Briefed the Rocky Mountain MS Center on use of the JYNNEOS mpox virus vaccine
- Served as a local site investigator for a next-generation sequencing and autoantibody study for patients with unexplained neuroinflammatory conditions in partnership with UCSF
- Sub-investigator in Benefits of Stroke Treatment Delivered via Mobile Stroke Unit (BEST-MSU) study
- Sub-investigator in the Platelet-Oriented Inhibition in New TIA/Minor Ischemic Stroke (POINT) study
- Sub-investigator for other stroke and neurologic clinical trials done at University of Colorado Hospital
- Served on University of Colorado's Clinical and Translational Science Institute's (CCTSI) pre-K research grant review committee
- Researched and wrote several academic review articles on arboviral and neuro-infectious diseases
- Recognized for writing a top 10 cited article for *Annals of Neurology* on Oropouche virus
- Reviewed arboviral and neuro-infectious disease articles for peer-reviewed journals
- Reviewed a Stanford Law Review article on "medical civil rights" for an academic legal colleague
- Served as an author on a Medscape "Test and Teach" CME article on West Nile virus infection
- Earned a Public Health Law Academy Certificate through CDC with training in public health law and legal epidemiology
- Served as a peer reviewer for multiple neurology, infectious disease, and public health journals
- Served as a peer reviewer for the American Academy of Neurology Neuro-Infectious Diseases section
- Assisted Pfizer in developing a Guillain-Barré syndrome surveillance case definition for vaccine safety
- Assisted Valneva in assessing the risks of Japanese encephalitis virus and benefits of preventive measures during a scientific workgroup meeting
- Organized a collaborative meeting between CU and CDC varicella zoster virus experts
- Passed all required Collaborative Institutional Training Initiative (CITI) research program trainings
- Unanimously awarded excellence in research/scholarship by department and school of medicine promotion committees
- Obtained a secondary appointment in the Department of Epidemiology in the Colorado School of Public Health in 2016
- Completed a Foundations in Climate Medicine Certificate at the University of Colorado Anschutz

focused on the health impacts of climate and environmental change

-Please see other sections for additional details

Consulting Outbreak Medical Epidemiologist and Policy Advisor; Colorado Department of Public Health and Environment (CDPHE); Denver, CO (March 2020–July 2023)

- Served as a COVID-19 outbreak consultant for CDPHE and local public health agencies (LPHAs)
- Served as a COVID-19 scientific and clinical vaccine consultant for CDPHE and LPHAs
- Deployed across multiple teams within CDPHE during the COVID-19 pandemic including the initial field outbreak investigation, mountain region support, policy guidance, industry and workplace, clinical vaccine, and medical guidance teams
- Co-led the workplace/industry COVID-19 outbreak prevention and response team for CDPHE
- Co-led the emergency COVID-19 clinical vaccine information team for CDPHE
- Deployed to assist Summit County with COVID-19 preparedness, assessment, and response during the start of the COVID-19 outbreak in March 2020
- Researched and drafted comprehensive guidance to prevent and mitigate COVID-19 outbreaks across businesses, industries, events, and activities throughout Colorado (see below)
- Researched, drafted, and reviewed isolation, quarantine, and mask guidance webpages for Colorado
- Reviewed and revised COVID-19 prevention plans for sporting and community events
- Consulted on COVID-19 community, business, and industry outbreaks throughout Colorado
- Advised Colorado wildfire fighters on COVID-19 outbreak control in wildfire-fighter camps
- Served as an indoor air quality/ventilation/respiratory virus transmission expert consultant to industries
- Researched, drafted, and reviewed ventilation optimization guidance for schools throughout Colorado
- Consulted with Denver Public Schools on how to improve ventilation and reduce virus transmission
- Collaborated with the Colorado Restaurant Association to design outdoor restaurant seating arrangements to limit COVID-19 transmission
- Researched, drafted, and reviewed COVID-19 clinical vaccine guidance, frequently asked questions (FAQs), situation assessments, media responses, and health advisory network (HAN) alerts
- Provided scientific briefings on COVID-19 transmission/prevention and the COVID-19 vaccines
- Provided emergency scientific briefs and co-drafted an emergency HAN around rare thrombotic thrombocytopenic syndromes after the J&J COVID-19 vaccine
- Researched, drafted, and reviewed COVID-19 monoclonal antibody and oral antiviral guidelines and HAN alerts
- Provided emergency guidance to hospitals with critical staffing issues and communities besieged by extremely high transmission rates of COVID-19
- Responded to media requests and public inquiries regarding COVID-19 and vaccinations
- Debriefed with state planning experts on the top COVID-19 pandemic response lessons learned
- Co-drafted and reviewed statewide health advisory network (HAN) alerts for the mpox virus outbreak and treatment considerations
- Consulted on mpox virus disease clinical cases, vaccine science, and vaccine distribution logistics
- Co-drafted a statewide health advisory network (HAN) alert for polio and AFM
- Assisted in polio and AFM outbreak response preparedness given circulation of poliovirus and EV-D68
- Co-drafted an emergency infection prevention memo to childcare facilities during an RSV epidemic

- Reviewed legionella respiratory co-infection literature and co-drafted an executive summary
- Assisted in writing and updating a Marburg virus/viral hemorrhagic fever preparedness brief
- Co-drafted a statewide health advisory network (HAN) alert for human cases of plague
- Reviewed syphilis screening literature and wrote an executive assessment of potential benefits and cost-effectiveness of screening programs among various populations
- Dedicated ~25% effort on outbreak tasks, projects, and teams throughout the COVID-19 pandemic
- Please see other sections for additional details

Epidemic Intelligence Service (EIS) Officer; Centers for Disease Control and Prevention (CDC); Atlanta, GA and Fort Collins, CO (June 2013–June 2015)

- Served as an arboviral disease and neurologic disease subject matter expert for the Division of Vector-Borne Diseases and other CDC divisions
- Responded to emergent vector-borne and neurologic public health issues nationally and internationally
- Briefed and collaborated with local, state, national, and international public health leaders on a broad range of public health emergencies and issues
- Consulted on arboviral and neurologic disease clinical cases from across the U.S. and the world
- Consulted on yellow fever and Japanese encephalitis virus clinical vaccine questions
- Reviewed and interpreted arboviral testing results for patients within the U.S. and around the world
- Reviewed arboviral disease surveillance and response grant proposals from multiple states
- Reviewed arboviral disease manuscripts for peer-reviewed journals (e.g., *EID*, *AJTMH*)
- Deployed and served as a co-investigator for epidemiologic studies examining Heartland and Bourbon virus diseases in Missouri and across the U.S.
- Co-discovered a novel tick-borne thogotovirus (Bourbon virus) associated with a fatality in Kansas
- Researched and critically evaluated the ability of the national arboviral surveillance system, ArboNET, to detect Jamestown Canyon virus disease cases
- Researched and investigated laboratory-confirmed Jamestown Canyon virus disease cases throughout the U.S.
- Deployed to investigate, research, and manage an outbreak of chikungunya virus disease in Yap State, Federated States of Micronesia
- Deployed to investigate, research, and manage a chikungunya virus disease outbreak in the U.S. Virgin Islands
- Co-designed and implemented an arboviral disease surveillance and reporting system for the U.S. Virgin Islands
- Deployed to investigate, research, and manage a cluster of GBS cases during a dengue virus disease outbreak in the Republic of Fiji
- Deployed to investigate and research a cluster of acute neurologic illnesses of unknown etiology (later identified as acute flaccid myelitis (AFM)) in children in Colorado during an enterovirus D-68 disease outbreak
- Co-led the CDC epidemiology team investigating cases of acute flaccid myelitis in children and co-developed a national reporting system for the National Center for Immunization and Respiratory Diseases (NCIRD)
- Researched and co-drafted an acute flaccid myelitis (AFM)/poliomyelitis management guide for CDC

- Reviewed and classified cases of acute flaccid myelitis (AFM)/poliomyelitis throughout the U.S.
- Deployed and served as the primary investigator to investigate reports of acute flaccid paralysis associated with La Crosse virus disease in Ohio
- Researched and co-developed pet quarantine protocols for potential Ebola virus disease cases in Colorado
- Drafted CDC Health Alert Network (HAN) alerts regarding chikungunya virus in the Caribbean (HAN 358) and acute flaccid myelitis in children (HAN 370)
- Designed epidemiologic studies, created questionnaires and surveys, and enrolled patients
- Performed epidemiologic analyses using Epi Info, SAS Enterprise Guide, and Microsoft Excel
- Communicated complex scientific concepts to the public through interviews, flyers, and posters
- Created visual and graphic aids to illustrate scientific findings to other professionals and the public
- Wrote briefings, reports, abstracts, and manuscripts on public health investigations
- Awarded multiple awards for my investigations and research (see below for details)
- Completed multiple CDC and Department of State international safety and security trainings (e.g., High Threat Security Overseas Seminar, Counter Threat Awareness Training, Working in an Embassy, Preparing for Work Overseas, multiple Foreign Travel Safety Briefings)
- Dedicated 100% effort as an Epidemic Intelligence Service (EIS) Officer and Lieutenant Commander in the U.S. Public Health Service Commissioned Corps
- Please see other sections for additional details

Skywarn Storm Spotter; National Weather Service (July 2008–present)

- Trained by the National Weather Service in severe weather observation, monitoring, and reporting
- Served as a volunteer severe weather spotter and reporter in North Carolina, California, and Colorado

Medical and Graduate Student; Duke University; Durham, NC (August 2004–May 2009)

- Designed and critically reviewed epidemiologic, observational, and experimental studies
- Earned research honors for an epidemiologic study examining survival in military veterans with ALS
- Served as a co-investigator on studies examining barriers to ALS patients entering research trials and whether levetiracetam is effective in treating muscle cramps
- Performed statistical analyses using SAS Enterprise Guide and Microsoft Excel
- Completed a 6-week CDC epidemiology elective in the Division of Health Care Quality Promotion (DHQP) and assisted in two nosocomial infectious disease outbreak investigations
- Please see other sections for additional details

Undergraduate Student; Brown University; Providence, RI (September 1999–May 2003)

- Earned a biophysics degree magna cum laude with departmental honors
- Earned research honors for a project examining occupational radiation exposure during fluoroscopy
- Elected to the Sigma Xi Scientific Research Honor Society
- Please see other sections for additional details

Public Policy, Government, and Advocacy Experience

Vice President, State Board of Health; State of Colorado (January 2023–January 2025)

State Board of Health Member (At-Large, Statewide); State of Colorado (September 2017–December 2025)

- “The Board of Health promulgates rules related to Colorado public health, approves funding for public

- health grant programs, appoints members to specific department committees and advises the executive director as appropriate” -Colorado Board of Health website
- Appointed by Colorado Governor John Hickenlooper to serve a 4-year term as an at-large, statewide member to the Colorado State Board of Health in 2017
 - Recommended by the Colorado State Senate Health & Human Services Committee on a unanimous and bipartisan 5–0 vote in 2019
 - Confirmed by the full Colorado State Senate on a unanimous and bipartisan 35–0 vote in 2019
 - Re-appointed to the same position by Colorado Governor Jared Polis in 2019 and again in 2022
 - Re-recommended by the Colorado State Senate Health & Human Services Committee on a unanimous and bipartisan 5–0 vote in 2022
 - Re-confirmed by the full Colorado State Senate on a unanimous and bipartisan 29–0 vote in 2022
 - Unanimously elected by the Board as Vice President in 2023 and unanimously re-elected in 2024
 - Served as Acting President and led Board meetings in the President's absence
 - Highlighted areas of effort include neurology, infectious diseases, epidemiology; emergency response and preparedness; veterans’ health; mountain and rural issues; and LGBTQ+ community health
 - Reviewed technical documents and budgets, listened to stakeholders, and deliberated with fellow board members in over 85 public meetings
 - Chaired and moderated rulemaking hearings addressing a broad range of public health issues
 - Developed substantial experience in air quality, water quality, food safety, and infectious disease control
 - Championed policies supporting clean air, safe water, and healthy food throughout Colorado
 - Approved over \$100 million for cancer, lung, and cardiovascular disease prevention grants in Colorado
 - Approved close to \$200 million for tobacco education, cessation, and prevention grants in Colorado
 - Approved close to \$20 million for health disparities grants throughout Colorado based on funding recommendations from the Colorado Health Equity Commission as well as over \$5 million for the health disparity grant outcome evaluations
 - Approved over \$20 million for HIV prevention grants throughout Colorado
 - Approved over \$15 million for tobacco and secondhand smoke prevention education and communication efforts in Colorado
 - Approved over \$8 million in CDC block grants to help prevent suicides, prevent sexual violence, improve local public health agency capacity, reduce air pollution, improve environmental health in disproportionately affected communities, improve childhood dental health screening, modernize public health data science, and improve workplace health throughout Colorado
 - Approved over \$3 million for rural and mountain school districts to hire and retain school nurses
 - Approved over \$2 million for research grants investigating the safety and efficacy of standardized marijuana compounds for various clinical conditions in Colorado
 - Approved over \$2 million in housing stability grants to improve public health in local areas
 - Voted to create a community paramedic program to better serve the health needs of rural Colorado
 - Voted to create state health professional shortage area programs to improve access to primary care and mental health/substance abuse services in Colorado rural and mountain communities

- Voted to improve ambulance vehicle safety and clarify ambulance requirements throughout Colorado
- Voted to streamline, simplify, and update emergency medical service (EMS) trauma regulations
- Voted to promulgate Colorado's statewide ground ambulance rules in coordination with SEMTAC
- Voted to update freestanding emergency department and flexible behavioral health clinic regulations
- Voted to update comprehensive regulations across acute care, psychiatric, and specialty hospitals
- Voted to streamline rules for critical access hospitals in rural and mountain areas of Colorado
- Voted to improve surveillance for chronic diseases, toxic exposures, and drug adverse events
- Voted to improve surveillance for emerging infectious diseases, antibiotic resistant bacteria, bioterrorism agents, and other communicable diseases
- Voted to improve data collection and contact tracing methods for serious communicable diseases
- Voted to add several genetic and neurologic conditions to the list of Colorado newborn screening tests
- Voted to improve and standardize food safety and food handling practices throughout Colorado to align state rules with statutes and federal recommendations (i.e., FDA Food Code)
- Voted to adopt the Food & Drug Administration's (FDA) Grade "A" Pasteurized Milk Ordinance to improve dairy safety and allow for interstate dairy commerce
- Voted to adopt the Model Aquatic Health Code as a statewide safety reference for pools and baths
- Voted to adopt the initial technologically enhanced naturally occurring radioactive material (TENORM) rules for Colorado
- Voted to approve a radon mitigation assistance program for low-income Coloradans to reduce harmful radon levels in their homes
- Voted to approve a medical marijuana petition pathway requiring peer-reviewed evidence of efficacy
- Voted to adopt novel industrial and consumer hemp regulations, testing, and safety for hemp production and consumption in Colorado
- Voted to implement quality testing standards and certifications for specific natural medicine products
- Voted to adopt novel gamete bank and fertility clinic program regulations for Colorado
- Voted to require consumer disclosures and limit surprise balance billing of patients in Colorado
- Voted to eliminate an obsolete health care credentialing application to help streamline regulations
- Voted to implement an electronic death registration system to ensure timely death certificates
- Voted to approve hospital surge capacity reporting guidelines for future pandemic and other public health emergency planning and response
- Voted to approve infection control and outbreak prevention practices in long-term care facilities
- Voted for improved patient protections, safety, dementia training, and CPR training for assisted living and skilled nursing facilities
- Voted to update and streamline regulations among hospices in Colorado
- Voted to update quality standards for public health services among local public health agencies
- Voted to approve several community members and experts to various public health boards in Colorado
- Supported CDPHE's efforts to reduce health disparities across socially disadvantaged populations
- Advocated for LGBTQ+ community partnership in outbreak response during the 2022 mpox outbreak
- Advised and testified before the Colorado Senate's Health and Human Services Committee regarding modification to statutes governing disease control, the Board of Health, and the Governor's Expert Emergency Epidemic Response Committee (GEEERC) in [HB 2025-1027](#)

- Recognized for my public service by the Colorado Senate Health and Human Services Committee
- Received annual training in public health practices, legal authority, and emergency preparedness
- Visited all 64 counties in Colorado to listen and learn about how different issues affect different regions
- Received personal recognition from CU President Todd Saliman for my service on the State Board of Health in addressing public health needs throughout the state
- Received personal recognition from Governor Jared Polis for my “courageous leadership” during the COVID-19 pandemic

Governor’s Expert Emergency Epidemic Response Committee (GEEERC) Member; State of Colorado (September 2017–April 2025)

- “The Governor's Expert Emergency Epidemic Response Committee (GEEERC) advises the governor during an emerging or ongoing public health threat.” -Colorado GEEERC website
- Served as the Board of Health representative to the GEEERC and provided epidemic/outbreak consultation and advice on an emergency basis
- Advised two governors of Colorado and two executive directors of CDPHE on epidemic and public health emergency preparedness and response (including throughout the COVID-19 pandemic)
- Critically reviewed and supported the Colorado Crisis Standards of Care for behavioral/mental health, emergency medical services, health care worker staffing, hospital and intensive care, palliative care/hospice, and personal protective equipment to ensure fairness and equitability during medical or public health crises
- Critically reviewed and supported updates to Colorado Crisis Standards of Care multiple times throughout the COVID-19 pandemic based on stakeholder feedback to ensure equitability
- Critically reviewed and supported phased implementation of the first COVID-19 vaccinations in Colorado in 2020 and 2021
- Advocated for LGBTQ+ community partnership during the 2022 mpox outbreak
- Advised and testified before the Colorado Senate’s Health and Human Services Committee regarding modification to statutes governing disease control, the Board of Health, and the Governor’s Expert Emergency Epidemic Response Committee (GEEERC) in HB 2025-1027
- Recognized for my public service by the Colorado Senate Health and Human Services Committee

Neuro-Infectious Diseases Advocacy Co-Chair, American Academy of Neurology (AAN) (April 2025–present)

- Appointed and served as co-chair for American Academy of Neurology (AAN)’s neuro-infectious diseases advocacy group
- Encouraged various advocacy activities among section members including elected representative outreach, liaising with AAN advocacy staff, and encouraging in-person advocacy including AAN’s Neurology on the Hill (NOH)
- Coordinated diverse viewpoints into collective advocacy among members of neuro-ID section

U.S. Polio Eradication National Certification Committee Member, The Task Force for Global Health, Decatur, GA (October 2023–present)

- Appointed and served as a United States National Certification Committee (NCC) member to ensure containment and eradication of poliovirus throughout the United States
- Advised and reviewed practices of poliovirus containment and mitigation throughout the United States

on an annual basis

- Advocated for appropriate resources, support, and communication to prevent importation and spread of poliovirus into and throughout the United States
- Advocated for appropriate laboratory safety and biosecurity to prevent inadvertent release of poliovirus
- Collaborated with other poliovirus scientific, public health, non-profit, and government experts to craft and edit expert prevention and response reports and plans

Palatucci Neurologic Advocate, American Academy of Neurology (AAN); Minneapolis, MN (August 2024)

- Competitively selected to the Palatucci Advocacy Leadership Forum (PALF) to advocate for neuro-infectious diseases educational and research program logistical and financial support
- Trained in effective advocacy, action planning, goal development, state and federal legislative processes, media relations, and public messaging

Neurologist on the Hill, American Academy of Neurology (AAN); Washington, D.C. and Minneapolis, MN (February 2019, February 2024)

- Competitively selected to represent the AAN at the U.S. Congress to advocate for neurologic issues as part of the annual “Neurology on the Hill” conferences and legislative fly-ins in 2019 and 2024
- Trained in federal legislative, state legislative, and regulatory/rulemaking advocacy
- Met with several U.S. Representatives and Senators from Colorado and their staff to advocate for neurologic issues before the U.S. House of Representatives and Senate in Washington, D.C.

Consulting Outbreak Medical Epidemiologist and Policy Advisor; Colorado Department of Public Health and Environment (CDPHE); Denver, CO (March 2020–July 2023)

- Developed and reviewed statewide COVID-19 public health policy
- Worked with state agencies and the Governor’s Office on statewide outbreak-prevention policy
- Developed emergency guidance for businesses, hospitals, schools, and communities
- Please see other sections for additional details

Colorado Winter Outdoor Dining Grant Committee Member; Colorado Restaurant Association; Denver, CO (November 2020–December 2021)

- Asked by the Colorado Governor’s Office to serve on the Colorado Winter Outdoor Dining Grant Program Committee to review restaurant grant applications in order to maximize restaurant operations and reduce viral transmission during the COVID-19 crisis
- Critically evaluated design and funding proposals from restaurants in rural, mountain, and urban areas throughout Colorado and made official funding recommendations

Community Health Advocate; North Carolina Alliance for Health; Durham, NC (January 2007–May 2009)

- Volunteered as a community advocate and organizer to lobby the North Carolina state legislature to enact a smoking ban in restaurants and bars to protect the health of workers and patrons (which was passed and signed into law in May 2009)

Uniformed Service Experience

Lieutenant Commander (O-4)/Medical Officer, U.S. Public Health Service Commissioned Corps (June 2013–June 2015)

- “The Commissioned Corps of the U.S. Public Health Service is a team of more than 6,500 full-time,

well-trained, highly qualified public health professionals dedicated to delivering the Nation's public health promotion and disease prevention programs and advancing public health science. As one of America's seven uniformed services, the Commissioned Corps fills essential public health leadership and service roles within the Nation's Federal Government agencies and programs. Officers serve their country in communities that are most in need by providing essential health care services to underserved and vulnerable populations.” -USPHS website

- Commissioned by the United States Senate in 2013
- Served as an active-duty lieutenant commander (O-4) and medical officer for the U.S. Public Health Service Commissioned Corps Ready Reserve while also serving as an EIS officer
- Deployed to Colorado, Georgia, Missouri, Ohio, Fiji, Micronesia, and U.S. Virgin Islands for emergency public health investigations and response
- Trained in incident command system, disaster response, and bioterrorism response
- Completed global travel safety and high-threat security training through CDC and the U.S. Department of State
- Held secret clearance for classified national security information
- Honorably discharged after two years of active-duty service and awarded three USPHS awards (see below for details)
- Dedicated 100% effort as an Epidemic Intelligence Service (EIS) Officer and Lieutenant Commander in the U.S. Public Health Service Commissioned Corps
- Please see other sections for additional details

Teaching, Education, and Mentoring Experience

Neuro-Infectious Diseases and Autoimmune Neurology Fellowship Director; University of Colorado; Aurora, CO (January 2016–present)

- Supervised, taught, and mentored the neuro-infectious diseases/autoimmune neurology fellows
- Trained 14 fellows to date; all graduates have gone on to successful academic and clinical careers
- Developed and coordinated a cross-disciplinary curriculum for the neuro-infectious diseases and autoimmune neurology fellowship
- Created and developed a weekly neuro-infectious disease clinical case conference at University of Colorado and developed and managed an American Academy of Neurology monthly neuro-infectious disease clinical case conference with colleagues from across North America
- Led the neuro-ID and autoimmune neurology fellowship curriculum and recruitment committee
- Co-developed a nationwide neuro-infectious diseases fellowship curriculum with external colleagues
- Established financial solvency through grants and billing activities after unexpected budget cuts

Global Neurology Education Director; University of Colorado; Aurora, CO (January 2019–present)

- Researched, developed, and implemented a global neurology resident rotation in Suva, Fiji, in collaboration with the Fiji Ministry of Health and Colonial War Memorial Hospital
- Met with and briefed the Fiji Ministry of Health, Colonial War Memorial Hospital, Fiji National University, and the U.S. Embassy of our neurology resident rotation plan in Fiji
- Collaborated with other departments within the School of Medicine and Colorado School of Public Health to create a global health trainee curriculum and improve global rotation logistics

- Developed, implemented, and managed a monthly virtual global neurology case conference with colleagues at Colonial War Memorial Hospital in Suva, Fiji
- Completed multiple CDC and Department of State international safety and security trainings (e.g., High Threat Security Overseas Seminar, Counter Threat Awareness Training, Working in an Embassy, Preparing for Work Overseas, multiple Foreign Travel Safety Briefings)
- Extensive international travel experience across North America, South America, Europe, the Caribbean, and Oceania
- Named senior investigator for the Center for Global Health within the Colorado School of Public Health to assist with development of a core global health curriculum, including travel safety
- Named global neurology lead for the Center for Global Health's Clinical Leadership Council within the Colorado School of Public Health to help coordinate global neurology activities
- Served on the Global Health GME Core Curriculum Subcommittee for the Center for Global Health within the Colorado School of Public Health

Associate Neurology Clerkship Director; University of Colorado; Aurora, CO (July 2015–June 2018)

- Supervised, trained, mentored, and evaluated medical students in localization, diagnosis, and treatment of various neurologic diseases during the third-year neurology clerkship and fourth-year elective
- Led interactive neurologic problem-based learning sessions for third-year medical students
- Revamped the medical student problem-based learning (PBL) sessions to improve neurologic diagnostic/localization skills resulting in highly favorable student ratings
- Researched and implemented strategies to improve medical student shelf exam scores (including reaching out to other institutions for best practices and taking a timed shelf exam myself) resulting in overall improved shelf scores across all blocks
- Co-designed interactive neuroradiology training sessions for medical students with radiology
- Regularly provided mid-course feedback and improvement strategies to third-year medical students
- Served on the grading committee and developed “blinding” strategies to make grades less subjective
- Served as the acting clerkship director for two months while the clerkship director was away

Faculty and Trainee Teacher and Mentor, Multiple Organizations (2013–present)

- Mentored numerous students, trainees, residents, fellows, and junior faculty at the University of Colorado and Colorado School of Public Health
- Mentored numerous trainees and employees at CDPHE, CDC, and other government settings
- Served as a career advancement mentor for the Neurohospitalist Society
- Regularly met with mentees to help them formulate career pathways and life goals
- Supervised and taught fellows, residents, interns, and medical students on inpatient services (>200 trainees cumulatively)
- Formally evaluated and provided feedback to medical students, residents, and fellows
- Supervised the outpatient neurology resident clinic and taught the neurology residents
- Taught medical students and residents high-yield and efficient neurologic exam techniques
- Oriented new advanced practice providers (APPs) in the neurologic exam, localization, and differential diagnosis methods
- Participated regularly in fellow case rounds, neurology grand rounds, and neurology professors' rounds
- Trained MSTU and community hospital staff during telestroke simulations

- Taught faculty, trainees, and students COVID-19 transmission prevention strategies and PPE use
- Supervised and taught residents, fellows, and graduate students in public health writing, cluster/outbreak investigations, surveillance/reporting processes, and applied epidemiology
- Facilitated clinical epidemiology teaching sessions for medical students at University of Colorado
- Facilitated evidence-based medicine teaching sessions for medical students at University of Colorado
- Mentored and taught EIS officers and elective students within the Division of Vector-Borne Diseases
- Taught several neurologists in Puerto Rico about neurologic manifestations of Zika virus disease
- Taught several epidemiologists throughout Puerto Rico about GBS surveillance and reporting
- Mentored EIS officers and epidemiologists on the joint PRDH/CDC Zika response team in Puerto Rico
- Taught CDC staff and officers about neurologic and emerging infectious diseases
- Mentored and taught new epidemiologists and preventive medicine fellows in various COVID-19 and mpox outbreak response and prevention topics
- Developed and led an applied epidemiology case series for trainees within CDPHE
- Assisted in developing an educational curriculum for rotating students, residents, and trainees
- Served as course director for the residency neuro-infectious diseases educational course
- Co-developed and implemented a biweekly lunch clinical case conference for the neurology residents
- Served as the American Academy of Neurology emerging neuro-infectious diseases course director
- Served on the American Academy of Neurology's neuro-infectious diseases career resource panel
- Served on the neurology department education, medical student neurology clerkship, neurology residency recruitment, neuro-ID/autoimmune neurology fellowship, global neurology education, junior neurology faculty grant, and neurology faculty promotion committees
- Served as a member of the Colorado School of Public Health MPH admissions committee
- Acquired academic neurohospitalist teaching skills at the American Hospitalist Academy
- Received excellent and outstanding teaching evaluations from medical students, residents, and fellows
- Nominated for the annual neurology faculty resident teaching award several times over multiple years
- Unanimously awarded excellence in teaching by CUSOM and Neurology promotion committees
- Earned the highest absolute number of educational RVUs (eRVUs) out of all faculty in the Department of Neurology over multiple years
- See below for list of official mentees; mentored dozens more unofficially
- Please see other sections for additional details

Chief Neurology Resident for Educational Conferences and Technology; University of California San Francisco (UCSF); San Francisco, CA (July 2012–June 2013)

- Served as chief resident overseeing educational conferences for the neurology residency program
- Helped keep residents up to date on emerging clinical technology and digital tools relevant to neurologic practice and education
- Supervised and taught medical students, non-neurology residents, and junior neurology residents

High School Public Health Teacher; HEY-Durham Program and Durham Public Schools; Durham, NC (August 2005–May 2007)

- Volunteered as a public health teacher to high school students in 2005 and 2007
- Taught STD prevention, nutrition, drug prevention, and mental health
- Mentored first-time volunteer teachers

High School Science Teacher; Cardinal Spellman High School; Brockton, MA (September 2003–June 2004)

- Full-time biology, chemistry, and genetics teacher to 10th–12th grade students
- Taught five classes daily (2 biology, 2 chemistry, 1 genetics) ranging in size from 22–30 students
- Created lesson plans, organized lab sessions, and facilitated interdisciplinary discussions

High School Science Teacher (Summer); Saint Joseph High School; Metuchen, NJ (June–August 2003)

- Full-time biology teacher for remedial summer school students
- Created lesson plans, organized lab sessions, and facilitated interdisciplinary discussions
- Helped all students successfully complete their remedial biology requirements

Communications, Media, and External Relations Experience

Public Health, Medical, and Science Communications Expert; Multiple Organizations (June 2013–present)

- Trained in media communications by University of Colorado, Colorado School of Public Health, Colorado Department of Public Health and Environment (CDPHE), U.S. Public Health Service (USPHS), Centers for Disease Control and Prevention (CDC), American Academy of Neurology (AAN), and Infectious Diseases Society of America (IDSA)
- Drafted, reviewed, and published public health, medical, and science communications for the public
- Drafted many CDC or CDPHE emergency public health alerts for clinicians and public health entities
- Worked closely with university, government, and joint information centers on communication teams
- Addressed misinformation and disinformation during multiple public health crises
- Recognized among CU Anschutz's top 10 media/communications pieces
- Interviewed or provided expert commentary to print, radio/podcast, and television outlets to educate clinicians and the public about neurologic and infectious diseases:
 - [*-9News NBC Denver, West Nile virus confirmed in Larimer County, 2026*](#)
 - [*-Healio, While still rare CDC reports rise in deadly tickborne illness, 2026*](#)
 - [*-CNN, Early intense West Nile season may signal a severe year for the mosquito-borne illness, 2026*](#)
 - [*-Colorado School of Public Health, Containing the Ebola outbreak in central Africa requires executing the basics of biodefense, 2026*](#)
 - [*-Scientific American, Why hantavirus takes so long to show symptoms and what that means for containment, 2026*](#)
 - [*-Medical Research, Hantavirus: Causes, symptoms, transmission, and treatment, 2026*](#)
 - [*-CU Anschutz Today, Health authorities work to contain cruise ship hantavirus outbreak, 2026*](#)
 - [*-Salon, Medical epidemiologist breaks down cruise ship hantavirus outbreak, 2026*](#)
 - [*-PBS News, Medical epidemiologist explains what to know about cruise ship hantavirus outbreak, 2026*](#)
 - [*-The Conversation, Health authorities work to contain cruise ship hantavirus outbreak, 2026*](#)
 - [*-AARP, Is tick season getting worse every year, 2026*](#)
 - [*-Healio, US seeing spike in emergency visits for tick bites CDC says, 2026*](#)
 - [*-Scientific American, Lyme disease is spreading—a new vaccine could curb infections, 2026*](#)
 - [*-Neurology Today, Some patients face higher risk for neuroinvasive disease as West Nile virus persists in the United States, 2026*](#)
 - [*-The Conversation, US experiencing largest measles outbreak since 2000, 2026*](#)
 - [*-Brain and Life, Herd immunity explained: how vaccination keeps families safe, 2025*](#)

[-University of South Florida Campus Life, The college student's guide to germ-fighting, 2025](#)

[-9News NBC Denver, Colorado West Nile cases, deaths continue to climb, 2025](#)

[-Nautilus, Our dark unvaccinated future, 2025](#)

[-Self Magazine, August Is Prime Time for Mosquitoes—and the Diseases They Carry. Here's How to Protect Yourself, 2025](#)

[-Denver 7 ABC, Lafayette adult is Colorado's first death from West Nile virus this year, 2025](#)

[-The Cool Down, Officials issue warning after confirming troubling West Nile virus trend, 2025](#)

[-Greeley Tribune, City of Greeley begins spraying for mosquitoes after West Nile virus found, 2025](#)

[-Denver 7 ABC, West Nile virus detected in Weld, Boulder County mosquitoes, 2025](#)

[-Colorado Sun, Why has Colorado seen so many breakthrough measles infections, 2025](#)

[-Denver Post, Denver confirms presence of West Nile as season starts early along Front Range, 2025](#)

[-UCHealth Today, UCHealth offers prevention tips as West Nile season returns to Colorado, 2025](#)

[-Colorado Sun, The Temperature: Why vaccinated people are still getting measles, 2025](#)

[-Health, Natural water can look safe, but is it? How to quickly assess before you dive in, 2025](#)

[-Douglas County News-Press, Experts say vaccination is strongest defense against measles, 2025](#)

[-Neurology Today, As measles cases rise neurological complications likely to follow, 2025](#)

[-CBS Colorado, As CO measles cases grow, doctors share who does and doesn't need boosters, 2025](#)

[-Colorado Public Radio/NPR, Colorado Today: Measles case in a vaccinated person, 2025](#)

[-Denver Westword, Colorado scientist discusses need for measles vaccine, 2025](#)

[-PBS News, Do adults need a measles booster? An epidemiologist explains who is immune, 2025](#)

[-Colorado Sun, The Temperature: Funding cuts hit CU researchers, 2025](#)

[-Tri States Public Radio, Experts and influencers on measles, 2025](#)

[-Denver Westword, Measles cases are on the rise—here's how to make sure you're protected, 2025](#)

[-The Conversation, Measles cases are on the rise—here's how to make sure you're protected, 2025](#)

[-Houston Chronicle, Everything you need to know about measles amid ongoing outbreak, 2025](#)

[-The Conversation, Texas records first US measles death in 10 years – a medical epidemiologist explains how to protect yourself and your community from this deadly, preventable disease, 2025](#)

[-Washington Post, How wildfire smoke hurts your brain, 2025](#)

[-KOA News Radio, Dr. Dan Pastula breaks down bird flu cases in cats, what to know, 2025](#)

[-Dallas Morning News, What is E. coli? How do you get sick from it and what to do? 2024](#)

[-Denver Post, What is E. coli? How do you get sick from it? What to know about bacteria behind the McDonald's outbreak, 2024](#)

[-Colorado Public Radio/NPR, Coloradan who died from E. coli infection linked to McDonald's food was Mesa County resident, 2024](#)

[-PBS News, How to stay safe during the EEE outbreak according to a neurologist, 2024](#)

[-ABC News, What you need to know about Valley fever after 19 infected at California festival, 2024](#)

[-The Conversation, As eastern equine encephalitis spreads, a neurologist explains how to stay safe during this latest outbreak of the 'triple E' virus, 2024](#)

[-Neurology Today, Eastern equine encephalitis has re-emerged, 2024](#)

[-KCBS Radio, Bug bites are itchy, but are they fatal? What to expect with West Nile, 2024](#)

[-NBC Today, Where is deadly mosquito virus EEE spreading in US, 2024](#)

[-USA Today, Claim of link between mpox and COVID-19 vaccines is nonsense, 2024](#)

[-CU Anschutz Today, World Health Organization declares an mpox public health emergency, 2024](#)

[-The Conversation, West Nile season returns—a medical epidemiologist explains how it's transmitted and how you can avoid it, 2024](#)

[-NBC Today, Texas woman dies from West Nile virus: what to know about symptoms, 2024](#)

[-KOA News Radio, CU Medicine Dr. Daniel Pastula talks about first West Nile case in Colorado, 2024](#)

[-CU Anschutz Today, Plague and other deadly animal-related diseases remain a threat, 2024](#)

[-KKTV 11News Colorado Springs, Colorado doctors warning of West Nile virus, 2024](#)

[-Healthline, Man with first human case of H5N2 bird flu variant dies in Mexico, 2024](#)

[-New York Times, But how does the worm get in your brain? 2024](#)

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[-The Colorado Trust, Working in a grocery store right now is harrowing, 2020](#)

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[-CBS Colorado, Mother of two survives rare polio-like illness, 2019](#)
[-UCHealth Today, Colorado a hotspot for rare polio-like illness, 2018](#)
[-CU Anschutz Today, Treatment options for chemical and biological attacks, 2018](#)
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[-The Athletic, Travis Frederick's Guillain-Barré diagnosis is scary, but there's hope, 2018](#)
[-American Academy of Neurology Podcast, What every neurologist should know about arboviruses, 2018 \(click play, starts at 11:50\)](#)
[-CU Medicine Today, Tracking diseases around the world and in Colorado: Neurologist Daniel Pastula looks after the public's health, 2018](#)
[-CNN, Experts warn of increases in tick-borne Powassan virus, 2017](#)
[-CBS News, Zika virus can trigger epilepsy, 2017](#)
[-Insider/Reuters, A study in mice found that the Zika virus also attacks adult brain cells, 2016](#)
[-CDC 24/7, We have to be prepared: Neurologist works with CDC to fight Zika, Guillain-Barré syndrome, 2016](#)
[-Fort Collins Coloradoan, Zika's host has medical community buzzing, 2016](#)
[-Medscape, Tracking the rise of Zika complications, 2016](#)
[-Neurology Today, More evidence for an associated risk of Zika and Guillain-Barré syndrome, 2016](#)
[-Neurology Today, Epidemiologists are tracking possible links between Zika virus and Guillain-Barré syndrome, 2016](#)
[-Neurology Today, Cellular studies of Zika virus offer clues to a potential mechanism for microcephaly — and a therapeutic target, 2016](#)
[-Neurology Now, What is Guillain-Barré syndrome, 2016](#)
[-Neurohospitalist Podcast, An overview of Zika virus disease, 2016](#)
[-NOVA Next/PBS, The Illness that Never Ends, 2016](#)
[-Popular Mechanics, How Your World Works Podcast: Zika virus, 2016 \(click play, starts at 10:15\)](#)
[-UCHealth Today, Zika virus: Prevention is key, 2016](#)
[-9News NBC Denver, Zika virus unlikely to hit Colorado, 2016](#)
[-USA Today, Zika virus unlikely to hit Colorado, 2016](#)
[-New York Times, Enterovirus 68 and paralysis link remains uncertain, 2014](#)
[-Colorado Public Radio/NPR, How disease detectives find source of outbreaks like enterovirus and Ebola, 2014](#)

Radio Disc Jockey; WBRU 95.5 FM; Providence, RI (September 1999–December 2000)

- Served as a part-time radio disc jockey for southern New England's largest modern rock radio station
- Broadcast on-air, organized music, produced commercials, and marketed music/concert events

Honors and Awards

- Fellow of the Infectious Diseases Society of America (IDSA) (2026)
- Elected for professional excellence in infectious diseases and providing significant service to the field
- State of Colorado Exemplary Service Award (2026)
- Recognized for over 8 years of service to Colorado Board of Health, including two as Vice President
- Colorado State Board of Health Service Recognition Award (2025)
- Recognized for over 8 years of service to Colorado Board of Health, including two as Vice President
- American Academy of Neurology (AAN) Palatucci Neurologic Advocate Leader (2024)
- Competitively selected to the Palatucci Advocacy Leadership Forum (PALF) to advocate and lead for neuro-infectious diseases subspecialty support
- American Academy of Neurology (AAN) Neurologist on the Hill (2024, 2019)
- Competitively selected to represent the AAN at the U.S. Congress to advocate for neurologic issues
- Fellow of the American Academy of Neurology (FAAN) (2022)
- Elected for exemplary work and achievements in the neurosciences, the clinical practice of neurology, and in academic and administrative neurology
- CDC/ATSDR Charles C. Shepard Award Nominee (CDC) (2021)
- For an outstanding scientific paper investigating Heartland virus disease throughout the United States
- NCEZID James H. Nakano Citation (CDC) (2021)
- For an outstanding scientific paper investigating Heartland virus disease throughout the United States
- Executive Director Performance Award (CDPHE) (2020)
- For exceptional performance in epidemiologic response during the COVID-19 pandemic
- CDC/ATSDR Health Equity Award (CDC) (2020)
- For investigating neurologic sequelae among RMSF cases among Native Americans in Arizona
- NCEZID Health Equity Award (CDC) (2020)
- For investigating neurologic sequelae among RMSF cases among Native Americans in Arizona
- National Association of County and Behavioral Health and Disability Directors Award (2019)
- For public health work on epilepsy and mental health as part of the CDC Epilepsy Program
- CPR Excellence in International Emergency Response Award (CDC) (2019)
- For investigating unexplained events among U.S. government personnel living and working overseas
- DSLRL Excellence in International Emergency Response Award (CDC) (2018)
- For investigating unexplained events among U.S. government personnel living and working overseas
- 5280 Magazine "Top Doctor" in Neurology Award (2018)
- For excellence in clinical neurology in the Denver Metropolitan Area
- Department of Neurology Recognition Award (University of Colorado) (2018)
- For serving as the Associate Neurology Clerkship Director from 2015 to 2018
- Larry J. Anderson Award for Outstanding Public Health Science (CDC) (2017)
- For investigating acute flaccid myelitis throughout the United States and resultant publication
- NCEZID Excellence in International Emergency Response Award (CDC) (2016)

-For supporting CDC and USPHS during the Ebola virus disease response	
Outstanding Unit Citation (U.S. Public Health Service)	(2015)
-For investigating and managing an acute flaccid myelitis outbreak nationwide	
Presidential Unit Citation (U.S. Public Health Service)	(2015)
-For supporting CDC and USPHS during the Ebola virus disease response	
NCEZID EIS Outstanding Service Award (CDC)	(2015)
-For serving as an Epidemic Intelligence Service (EIS) officer in the Arboviral Diseases Branch	
CDC/ATSDR Excellence in Domestic Emergency Response Award (CDC)	(2014)
-For investigating cases of acute flaccid myelitis possibly associated with an enterovirus D-68 outbreak	
Unit Commendation (U.S. Public Health Service)	(2014)
-For investigating and managing a chikungunya virus disease outbreak in Yap, Micronesia	
CDC/ATSDR Excellence in International Epidemiology Award (CDC)	(2013)
-For investigating and managing a chikungunya virus disease outbreak in Yap, Micronesia	
NCEZID Excellence in International Epidemiology Award (CDC)	(2013)
-For investigating and managing a chikungunya virus disease outbreak in Yap, Micronesia	
Medical Student Prize for Excellence in Neurology (AAN)	(2009)
-For excellence in research and performance in neurology during medical school	
William G. Anlyan Senior Medical Student Scholarship (Duke University)	(2008)
-For excellence in research and performance during medical school	
Future Leader in Preventive Medicine Award (American College of Preventive Medicine)	(2008)
-For promising leadership in epidemiology and public health during medical school	
CTSA Clinical Research Scholar (Duke University/National Institutes of Health)	(2006–2008)
-For excellence in clinical and epidemiologic research during medical school	
Sigma Xi Scientific Research Honor Society (Brown University)	(2003)
-For excellence in academics and research during college	
Biophysics Departmental Honors (Brown University)	(2003)
-For excellence in academics and research during college	
Magna Cum Laude (Brown University)	(2003)
-For excellence in academics and research during college	
Robert C. Byrd Honors Scholarship	(1999)
Eagle Scout (Scouting America [formerly BSA])	(1998)

Current Organizational Memberships

American Academy of Neurology (AAN), Fellow (FAAN)
Infectious Diseases Society of America (IDSA), Fellow (FIDSA)
Epidemic Intelligence Service (EIS) Alumni Association, Lifetime Member
Neurohospitalist Society, Member
National Weather Service, Skywarn Storm Spotter
Brown University, 1764 Society
Casa Bonita Founders Club, Member

Certificates and Certifications

Foundations in Climate Medicine Certificate, University of Colorado

Public Health Law Academy Certificate, Centers for Disease Control and Prevention (CDC)

Incident Command System Certificates (100, 200, 700, 800), Federal Emergency Management Agency (FEMA)

Basic Life Support (BLS) Certification, American Heart Association

Skywarn Storm Spotter Certification, National Weather Service

Published Manuscripts (as author or co-author)

Current publication h-index of 29 with over 3,350 total citations (according to Google Scholar)

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- 16) Yu C, Walczyk A, Honce JM, Beck NM, Taylor M, Pastula DM. Acute Horner syndrome and brachial plexopathy associated with longus colli injury. Neurohospitalist Society Conference, San Francisco, CA. October 2020. (Virtual due to COVID-19 pandemic)
- 15) Vahey GM, Wilson N, Perez S, McDonald E, Baldwin M, Clark S, Fitzpatrick K, Lehman J, Lindell K, McDonald J, Pastula DM, Rhodes H, Staples JE, Gould C, Martin S, Cervantes K. Cluster of Powassan Virus Disease Cases and Seroprevalence of Infection — Sussex County, New Jersey, 2019. CSTE Conference, Seattle, WA. July 2020. (Cancelled due to COVID-19 pandemic)
- 14) Beattie J, Parajuli S, Sanger M, Lee G, Pleninger P, Crowley G, Kwon S, Murthy V, Manko J, Caplan A, Dufort E, Staples JE, Pastula DM, Nolan A. Zika virus-associated Guillain-Barré syndrome in a returning United States traveler. American Thoracic Society Conference, Washington, DC. May 2017.
- 13) Dirlikov E, Major C, Mayshack M, Salinas JL, Virgen C, Pastula DM, Sejvar JJ, Sharp T, Rivera-Garcia B. Epidemiologic surveillance of Guillain-Barré syndrome in association with Zika virus infection—Puerto Rico, 2016. ASTMH Conference, Atlanta, GA. November 2016.
- 12) Aliabadi N, Messacar K, Pastula DM, Leshem E, Robinson CC, Nix WA, Oberste S, Sejvar JJ, Feiken D, Dominguez S. A case control study of acute flaccid myelitis (AFM) and enterovirus-D68 (EV-D68), Colorado (CO), 2014. IDSA ID Week Conference, San Diego, CA. October 2015.
- 11) Aliabadi N, Lopez A, Kambhampati A, Shioda K, Cortese M, Pastula DM, Leshem E, Gregoricus N, Nix

- WA, Oberste S, Fischer M, Leung J, Miller L, Dominguez S, Engel J, Seward K, Feiken D, Sejvar JJ, Pallansch M. Investigation of pediatric acute flaccid myelitis in the United States, 2014. CSTE Conference, Boston, MA. June 2015.
- 10) Pastula DM, Turabelidze G, Yates KF, Turabelidze G, Yates KF, Jones TF, Lambert AJ, Panella AJ, Kosoy OI, Velez JO, Fisher M, Staples JE. Heartland virus disease—Missouri, 2012–2014. CDC EIS Conference, Atlanta, GA. April 2015.
 - 9) Pastula DM, Hancock WT, Bel M, Biggs H, Marfel M, Lanciotti R, Laven J, Chen TH, Staples JE, Fischer M, Hills SL. First chikungunya outbreak in Micronesia—Yap State, Federated States of Micronesia, 2013. CDC EIS Conference, Atlanta, GA. April 2014.
 - 8) Pastula DM, Moore DH, Bedlack RS. Creatine in amyotrophic lateral sclerosis. UCSF Neurology Fishman Conference, San Francisco, CA. May 2013.
 - 7) Wise M, Llata E, Ogden C, Pastula DM, Sunenshine R, Srinivasan A. Outbreak of multidrug resistant *Acinetobacter baumannii* in a burn unit—Arizona 2008. Society for Healthcare Epidemiology of America Meeting, San Diego, CA. March 2009.
 - 6) Kim CY, Schillie SF, Carmean J, Kippes C, Arendt A, Napolitano J, Johnson M, Pastula DM, Noble-Wang J, Arduino MJ, Patel PR. Outbreak of bloodstream infections at an outpatient dialysis center—Ohio 2008. Society for Healthcare Epidemiology of America Meeting, San Diego CA. March 2009.
 - 5) Pastula DM, Coffman CJ, Allen KD, Oddone EZ, Kasarskis EJ, Lindquist JH, Morgenlander JC, Norman BB, Rozear MP, Sams LA, Sabet A, Bedlack RS. The survival of U.S. military veterans with ALS. U.S. Public Health Service Symposium, Tucson, AZ. June 2008.
 - 4) Pastula DM, Coffman CJ, Allen KD, Oddone EZ, Kasarskis EJ, Lindquist JH, Morgenlander JC, Norman BB, Rozear MP, Sams LA, Sabet A, Bedlack RS. The survival of U.S. military veterans with ALS. American Academy of Neurology Annual Meeting, Chicago, IL. April 2008.
 - 3) Bedlack RS, Pastula DM, Welsh E, Pulley D, Cudkowicz ME. Scrutinizing enrollment in ALS clinical trials: room for improvement? American Academy of Neurology Annual Meeting, Chicago, IL. April 2008.
 - 2) Pastula DM, Coffman CJ, Allen KD, Oddone EZ, Kasarskis EJ, Lindquist JH, Morgenlander JC, Norman BB, Rozear MP, Sams LA, Sabet A, Bedlack RS. The survival of U.S. military veterans with ALS. World Motor Neuron Disease Association Conference, Toronto, ON. December 2007.
 - 1) Bedlack RS, Pastula DM, Hawes J, Heydt D. A pilot trial of levetiracetam for cramps and spasticity in patients with motor neuron disease. World Motor Neuron Disease Association Conference, Toronto, ON. December 2007.

Invited Scientific and Educational Talks

Local Talks Given to Students, Residents, and Fellows

- 47) Arboviral diseases. Neuro-ID and autoimmune neurology fellow lecture series, University of Colorado, Aurora, CO. July 2026.
- 46) Arboviral diseases. ID fellow lecture series, University of Colorado, Aurora, CO. October 2025.
- 45) Emerging neurovirology. Advanced neurosciences (IDPT 8037) medical student course, University of Colorado, Aurora, CO. September 2025.
- 44) Arboviral diseases. Neurology residency lecture series, University of Colorado, Aurora, CO. April 2025.

- 43) Emerging neurovirology. Advanced neurosciences (IDPT 8037) medical student course, University of Colorado, Aurora, CO. September 2024.
- 42) Arboviral diseases. Neurohospitalist and stroke fellow didactics, University of Colorado, Aurora, CO. August 2024.
- 41) Arboviral diseases. Neurology residency lecture series, University of Colorado, Aurora, CO. June 2024.
- 40) Meandering into neuro-infectious diseases and public health. Infectious Diseases Interest Group, University of Colorado, Aurora, CO. June 2024.
- 39) Arboviral diseases. ID fellow lecture series, University of Colorado, Aurora, CO. November 2023.
- 38) Arboviral diseases. Neurohospitalist and stroke fellow didactics, University of Colorado, Aurora, CO. November 2023.
- 37) Arboviral diseases. Neurology residency lecture series, University of Colorado, Aurora, CO. May 2023.
- 36) Emerging neuroinvasive viruses, Animal Virology (MCDB 5750) undergraduate course, University of Colorado, Boulder, CO. March 2023.
- 35) Emerging neuro-infectious diseases, Advanced neurosciences (IDPT 8037) medical student course, University of Colorado, Aurora, CO. December 2022.
- 34) Introduction to public health and epidemiology. Longitudinal Integrated Clerkship (LIC) medical student course, University of Colorado, Aurora, CO. November 2022.
- 33) The COVID-19 pandemic in hindsight: What can we learn? Neurology residency lecture series, University of Colorado, Aurora, CO. March 2022.
- 32) Arboviral diseases. Neurology residency lecture series, University of Colorado, Aurora, CO. March 2022.
- 31) Arboviral diseases. ID fellow lecture series, University of Colorado, Aurora, CO. March 2022.
- 30) Omicron variant of COVID-19. Global health track seminar. Colorado School of Public Health, Aurora, CO. January 2022.
- 29) 2020 in hindsight: The COVID-19 pandemic. Animal Virology (MCDB 5750) undergraduate course, University of Colorado, Boulder, CO. March 2021.
- 28) CDC Epidemic Intelligence Service. Colorado School of Public Health, Fort Collins, CO. March 2021.
- 27) Arboviral diseases. Neurology residency lecture series, University of Colorado, Aurora, CO. March 2021.
- 26) Arboviral diseases. Neurohospitalist and stroke fellow didactics, University of Colorado, Aurora, CO. June 2020.
- 25) Arboviral diseases. Neurology residency lecture series, University of Colorado, Aurora, CO. February 2020.
- 24) Arboviral diseases. Neurology residency lecture series, University of Colorado, Aurora, CO. March 2019.
- 23) Tick-borne viruses. Animal Virology (MCDB 5750) undergraduate course, University of Colorado, Boulder, CO. March 2019.
- 22) A discussion about acute flaccid myelitis. Student Interest Group in Neurology (SIGN), University of Colorado, Aurora, CO. January 2019.
- 21) Arboviral diseases. Neurohospitalist and stroke fellow didactics, University of Colorado, Aurora, CO. November 2018.
- 20) Zika virus disease. Animal Virology (MCDB 5750) undergraduate course, University of Colorado, Boulder, CO. March 2018.
- 19) Arboviral diseases. Neurology residency lecture series, University of Colorado, Aurora, CO. February 2018.
- 18) Zika virus disease. Animal Virology (MCDB 5750) undergraduate course, University of Colorado,

Boulder, CO. April 2017.

- 17) Arboviral diseases. Neurology residency lecture series, University of Colorado, Aurora, CO. February 2017.
- 16) Zika virus disease. Introduction to Global Health seminar, Colorado School of Public Health, Aurora, CO. November 2016.
- 15) Zika virus disease. Outbreak investigations course, Boston University School of Public Health, Boston, MA. November 2016.
- 14) Arboviral diseases around the world. Global Health and Disasters course, University of Colorado, Aurora, CO. November 2015.
- 13) Arboviral diseases. Neurology residency lecture series, University of Colorado, Aurora, CO. March 2015.
- 12) Seizures 101. Family medicine residency lecture series, Poudre Valley Hospital, Fort Collins, CO. February 2015.
- 11) CDC Epidemic Intelligence Service. Colorado School of Public Health, Fort Collins, CO. December 2013.
- 10) A case of nitrous oxide myelopathy. Neurology weekly conference, UCSF, San Francisco, CA. January 2013.
- 9) Antiepileptic hypersensitivity syndrome. Neurology weekly conference, UCSF, San Francisco, CA. September 2012.
- 8) Seizures 101. Internal medicine noon conference, SFGH, San Francisco, CA. April 2012.
- 7) A case of corticobasal syndrome. Neurology weekly conference, UCSF, San Francisco, CA. February 2012.
- 6) A case of carotid artery dissection. Neurology weekly conference, UCSF, San Francisco, CA. November 2011.
- 5) Traumatic brain injury and concussions. Neurology weekly conference, UCSF, San Francisco, CA. November 2011.
- 4) Seizures 101. Internal medicine noon conference, San Francisco VAMC, San Francisco, CA. September 2011.
- 3) The California Encephalitis Project. Neurology weekly conference, San Francisco VAMC, San Francisco, CA. June 2011.
- 2) A case of autoimmune leukoencephalopathy. Neurology weekly conference, UCSF, San Francisco, CA. April 2011.
- 1) The epidemiology of ALS. Neurology weekly conference, San Francisco VAMC, San Francisco, CA. January 2011.

Regional Talks

- 33) Pegivirus-associated encephalomyelitis. Division of Infectious Diseases Challenging Cases and Topics conference. University of Colorado, Denver, CO. May 2026.
- 32) Communicating for impact. Colorado School of Public Health All-Hands Meeting, Colorado School of Public Health, Denver, CO. March 2026.
- 31) Public health legal authority. Colorado Updates in public health, Colorado Project ECHO Conference, Denver, CO. February 2024.
- 30) West Nile virus and B-cell depleting therapies. Patient webinar, Rocky Mountain Multiple Sclerosis Center, Aurora, CO. August 2023.

- 29) Neurology in the Republic of Fiji. Neurology grand rounds, University of Colorado, Aurora, CO. June 2023.
- 28) Clinical tests and statistics 2. Epi Grande meeting, Division of Communicable Diseases, CDPHE, Denver, CO. July 2023.
- 27) Clinical tests and statistics 1. Epi Grande meeting, Division of Communicable Diseases, CDPHE, Denver, CO. June 2023.
- 26) Emerging infectious diseases and climate change. Climate and Health Program Conference, University of Colorado, Aurora, CO. January 2023.
- 25) Public health legal authority. Colorado Updates in Public Health, Colorado Project ECHO Conference, Denver, CO. January 2023.
- 24) Public health legal authority. Epi Grande meeting, Division of Communicable Diseases, CDPHE, Denver, CO. January 2023.
- 23) Monkeypox virus and disease. University of Colorado HIV/AIDS Community Advisory Board, Aurora, CO. November 2022.
- 22) Public health legal authority. Medical Guidance Unit, CDPHE, Denver, CO. November 2022.
- 21) Monkeypox and the 2022 outbreak. Epi Grande meeting, Division of Communicable Diseases, CDPHE, Denver, CO. October 2022.
- 20) The COVID-19 pandemic in hindsight: What can we learn? Medical Guidance Unit, CDPHE, Denver, CO. March 2022.
- 19) 2020 in hindsight: The COVID-19 pandemic. Infectious diseases grand rounds, University of Colorado, Aurora, CO. February 2021.
- 18) COVID-19 transmission: Rationale behind COVID-19 guidances. Colorado Department of Revenue, Denver, CO. October 2020.
- 17) COVID-19 prevention in outdoor restaurant design. Colorado Restaurant Association workshop, Denver, CO. October 2020.
- 16) Acute flaccid myelitis in 3 dimensions: Clinical features, epidemiology, and mouse model of disease. Neurology grand rounds, University of Colorado, Aurora, CO. September 2020.
- 15) COVID-19 transmission, risks, and mitigation. Colorado Parks and Recreation Association, Denver, CO. September 2020.
- 14) COVID-19, Colorado, and neurology. Colorado Society for Clinical Neurology, Denver, CO. June 2020.
- 13) Viral diagnostics. Industry outbreak team meeting, Colorado Department of Public Health and Environment, Denver, CO. June 2020.
- 12) Tick-borne viruses. Neurology grand rounds, University of Colorado, Aurora, CO. July 2019.
- 11) Mosquitoes and ticks suck: Arboviral diseases. University of Colorado Family Medicine Review conference, Aurora, CO. November 2018.
- 10) Mosquitoes and ticks suck: Arboviral diseases. University of Colorado Family Medicine Review conference, Estes Park, CO. June 2018.
- 9) Arboviral diseases. Colorado Academy of Physician Assistants conference, Copper Mountain, CO. February 2018.
- 8) Zika virus disease. Colorado Academy of Physician Assistants conference, Copper Mountain, CO. February 2017.

- 7) Zika virus disease. Bugs and Drugs conference, University of Colorado, Aurora, CO. October 2016.
- 6) Zika virus disease. Epidemiology seminar, Colorado School of Public Health, Aurora, CO. June 2016.
- 5) Zika virus disease. Neurology grand rounds, University of Colorado, Aurora, CO. April 2016.
- 4) Arboviral diseases. Infectious diseases grand rounds, University of Colorado, Aurora, CO. April 2016.
- 3) Heartland virus disease. CDC Division of Vector-Borne Diseases seminar, Fort Collins, CO. March 2015.
- 2) A novel virus (Bourbon virus) associated with fatal human disease. CDC Division of Vector-Borne Diseases Seminar, Fort Collins, CO. December 2014.
- 1) Jamestown Canyon virus disease. North American Vector Control Association Conference, Fort Collins, CO. May 2014.

National Talks

- 31) Arboviral diseases and B-cell therapies. Neuroimmunology Division Meeting. Northwestern University, Chicago, IL. May 2026.
- 30) Pegivirus-associated encephalomyelitis. Division of Viral Diseases AFM Team Meeting. Centers for Disease Control, Atlanta, GA. May 2026.
- 29) Neuro-infectious diseases advocacy. Neuro-Infectious Diseases Section Monthly Case Conference, American Academy of Neurology, Denver, CO. June 2025.
- 28) Arboviral diseases. Neurology Educational Rounds, Medical University of South Carolina, Charleston, SC. October 2024.
- 27) Oropouche virus. Neuro-Infectious Diseases Section Monthly Case Conference, American Academy of Neurology, Denver, CO. September 2024.
- 26) Surveillance strategies for emerging neuro-infections: Arboviral surveillance in the United States. Annual Meeting, American Academy of Neurology, Denver, CO. April 2024.
- 25) Emerging viruses. Emerging Neuro-Infections Course, Annual Meeting, American Academy of Neurology, Denver, CO. April 2024.
- 24) Complications of immune therapy (panel discussant). AAN Autoimmune Neurology Education Conference. March 2024.
- 23) Emerging viruses. Emerging Neuro-Infections Course, Annual Meeting, American Academy of Neurology, Boston, MA. April 2023.
- 22) Climate change and neurology. Annual Meeting, American Academy of Neurology, Boston, MA. April 2023.
- 21) Mpox (monkeypox) virus and its neuroinvasive potential. Kaiser Permanente Neurology grand rounds, Los Angeles, CA. February 2023.
- 20) Monkeypox virus and its neuroinvasive potential. International Symposium of Neurovirology, International Society for Neurovirology, Philadelphia, PA. October 2022.
- 19) Two cases of monkeypox-associated encephalomyelitis. CHANT Infectious diseases conference, Massachusetts General Hospital, Boston, MA. September 2022.
- 18) A case of monkeypox-associated encephalomyelitis. CDC Monkeypox Response Team conference, Atlanta, GA. August 2022.
- 17) Emerging viruses. Emerging Neuro-Infections Course, Annual Meeting, American Academy of Neurology, Seattle, WA. April 2022.

- 16) COVID-19 in hindsight: What can we learn? Fall Conference, American Academy of Neurology, Minneapolis, MN. November 2021.
- 15) The COVID-19 pandemic in hindsight: What can we learn? Texas Neurological Society Conference, Austin, TX. July 2021.
- 14) What exactly is health services research? Joint CDC-NIH conference, National Institute of Neurological Disorders and Stroke (NINDS) and NIH, Bethesda, MD. June 2021.
- 13) 2020 in hindsight: the COVID-19 pandemic. Keynote address, Health career conference, St. Mary's University, San Antonio, TX. February 2021.
- 12) Usutu virus and blood donation. Food and Drug Administration (FDA), Silver Spring, MD. December 2019.
- 11) Tick-borne viruses. Annual Meeting, American Academy of Neurology, Philadelphia, PA. May 2019.
- 10) Zika virus disease. Neurology grand rounds, University of Iowa, Iowa City, IA. May 2018.
- 9) Re-emerging arboviral diseases. Breakthroughs in Neurology conference, American Academy of Neurology, Orlando, FL. January 2018.
- 8) Re-emerging arboviral diseases. Neurohospitalist Society conference, Seattle, WA. September 2017.
- 7) EMGs and NCS for epidemiologists. CDC botulism team rounds, Atlanta, GA. November 2015.
- 6) Heartland virus disease. CDC EIS conference, Atlanta, GA. April 2015.
- 5) Heartland virus disease. CDC Tuesday morning seminar, Atlanta, GA. April 2015.
- 4) Jamestown Canyon virus disease. CDC EIS fall course, Atlanta, GA. December 2014.
- 3) First chikungunya outbreak in Micronesia. CDC EIS conference, Atlanta, GA. April 2014.
- 2) The epidemiology of ALS. Occupational medicine grand rounds, Duke University, Durham, NC. September 2007.
- 1) The survival of U.S. military veterans with ALS. Neurology grand rounds, Duke University, Durham, NC. August 2007.

Global or International Talks

- 9) Vigilance against old, new, and unexpected viruses. Annual Meeting, American Academy of Neurology, Toronto, Ontario, Canada. April 2020. (Invited but cancelled emergently because of the COVID-19 pandemic).
- 8) Arboviral diseases: from alphaviruses to Zika. Neurology grand rounds, University of Puerto Rico, San Juan, Puerto Rico. March 2016.
- 7) Chikungunya virus disease. Presentation, Department of Tourism, U.S. Virgin Islands. June 2014.
- 6) Chikungunya virus disease. Hospital grand rounds, Juan Luis Hospital, St. Croix, U.S. Virgin Islands. June 2014.
- 5) Chikungunya virus disease. Hospital grand rounds, Roy Schneider Hospital, St. Thomas, U.S. Virgin Islands. June 2014.
- 4) Guillain-Barré syndrome. Hospital grand rounds, Labassa Hospital, Labassa, Fiji. May 2014.
- 3) Guillain-Barré syndrome. Hospital grand rounds, Lautoka Hospital, Lautoka, Fiji. May 2014.
- 2) Seizures 101. Hospital grand rounds, Yap Memorial Hospital, Yap, Micronesia. November 2013.
- 1) Chikungunya virus disease. Hospital grand rounds, Yap Memorial Hospital, Yap, Micronesia. October 2013.

Scientific and Peer Reviewer (95th percentile according to Web of Science)

American Academy of Neurology, Neurobytes podcast
 American Academy of Neurology, Neuro-infectious diseases section
 American Journal of Tropical Medicine & Hygiene
 Annals of Neurology
 Archives of Virology
 BMC Infectious Diseases
 Brain and Behavior
 Canadian Medical Association Journal (CMAJ)
 Centers for Disease Control and Prevention, Clearance process
 Centers for Disease Control and Prevention, Morbidity and Mortality Weekly Report (MMWR)
 Clinical Neurology and Neuroscience
 Emerging Infectious Diseases
 Equity Neuroscience
 JAMA Network Open
 JAMA Neurology
 Journal of Neurovirology
 Neurohospitalist
 Neurology
 Neurology Clinical Practice
 Open Forum Infectious Diseases
 Society for Neuroscience, BrainFacts
 Vaccine

Official Mentees

Lakshmi Chauhan, MD, Assistant Professor of Medicine (Infectious Diseases), University of Colorado
 -Currently associate professor of medicine (infectious diseases) at University of Colorado
 Thomas Ragole, MD, Assistant Professor of Neurology, University of Colorado
 -Currently senior director of clinical development at Avidity Biosciences
 Dylan Kirschenbaum, MD, Neuro-Infectious Diseases/Autoimmune Neurology Fellow, University of Colorado
 -Currently neuro-infectious diseases/autoimmune neurology fellow at University of Colorado
 Rachel Marshall, MD, Neuro-Infectious Diseases/Autoimmune Neurology Fellow, University of Colorado
 -Currently neuro-infectious diseases/autoimmune neurology fellow at University of Colorado
 Maria Gallanis, MD, Neuro-Infectious Diseases/Autoimmune Neurology Fellow, University of Colorado
 -Now attending neurologist and neuroimmunologist at Neurology Center of Southern California, San Diego, CA
 Mallory Lowe, MD, Neuro-Infectious Diseases/Autoimmune Neurology Fellow, University of Colorado
 -Now assistant professor of neurology at University of Colorado, Aurora, CO
 Barrie Zerwic, MD, Neuro-Infectious Diseases/Autoimmune Neurology Fellow, University of Colorado
 -Now assistant professor of neurology at University of Colorado, Aurora, CO
 Paul Crane, MD, Neuro-Infectious Diseases/Autoimmune Neurology Fellow, University of Colorado
 -Now assistant professor of neurology at University of Utah, Salt Lake City, UT

Rumyar Ardakani, MD, Neuro-Infectious Diseases/Autoimmune Neurology Fellow, University of Colorado
 -Now assistant professor of neurology at Los Angeles General Medical Center/University of Southern California, Los Angeles, CA

Kelli Money, MD, PhD, Neuro-Infectious Diseases/Autoimmune Neurology Fellow, University of Colorado
 -Now attending neurologist/neurohospitalist at Memorial Hospital, Colorado Springs, CO

Elizabeth Matthews, MD, Neuro-Infectious Diseases/Autoimmune Neurology Fellow, University of Colorado
 -Now assistant professor of neurology and residency program director at University of Colorado, Aurora, CO

Kyle Coleman, MD, Neuro-Infectious Diseases/Autoimmune Neurology Fellow, University of Colorado
 -Now assistant professor of neurology at Indiana University, Indianapolis, IN

Ronak Kapadia, MD, Neuro-Infectious Diseases/Autoimmune Neurology Fellow, University of Colorado
 -Now associate professor of neurology at University of Calgary, Calgary, Alberta, Canada

Christine Gill, MD, Neuro-Infectious Diseases/Autoimmune Neurology Fellow, University of Colorado
 -Now assistant professor of neurology at University of Iowa, Iowa City, IA

Murtaza Khan, MD, Neuro-Infectious Diseases/Autoimmune Neurology Fellow, University of Colorado
 -Now assistant professor of neurology at University of Kansas (KUMC), Kansas City, KS

Daniel E. Smith, MD, Neuro-Infectious Diseases/Autoimmune Neurology Fellow, University of Colorado
 -Now attending neurologist and neuroimmunologist at Ohio Health, Columbus, OH

Hunter Greer, MD, Neurology Resident, University of Colorado
 -Now stroke fellow at Vanderbilt University in Nashville, TN

Karina Boyea, MD, Neurology Resident, University of Colorado
 -Previous neurology resident at University of Colorado; now medicine resident

Jaisyn Glickman, MD, Neurology Resident, University of Colorado
 -Now pediatric neurology attending at University of Colorado

Anthony Harrington, MD, Neurology Resident, University of Colorado
 -Now attending neurologist/neurohospitalist at Research Medical Center in Kansas City, MO

Gary Walker, MD, Neurology Resident, University of Colorado
 -Now attending neurologist/stroke director at Our Lady of the Lake Hospital, Baton Rouge, LA