

Breathing Science is Life.

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Meghan Brenner – 303.249.8096 Laniecia Demmer – 720.232.6174

Questions after the conference can be directed to proed@njhealth.org or 303.398.1000.

Day One, Thursday, April 25

7:30–8 A.M. MDT	Registration and Breakfast			
8– 8:05 A.M. MDT	Introduction	Shannon Kasperbauer, MD		
8:05–8:10 A.M. MDT	Bronchiectasis and NTM Care Center Network	John Torrence		
8:10-8:30 A.M. MDT	What Matters: Patient Priorities	Amy Leitman, JD		
8:30–9:15 A.M. MDT	Current Trends in NTM Lung Disease	Ted Marras, MD		
9:15–10 A.M. MDT	Environmental Sources of NTM	Jennifer Honda, PhD		
10–10:15 A.M. MDT	Break and Exhibits			
10:15–11 A.M.MDT	Host Susceptibility	Edward Chan, MD		
11–11:45 A.M. MDT	Mycobacterial Lab	Reeti Khare, PhD		
11:45 A.M.–12:45 P.M. MDT Lunch and Exhibits				
12:45–1:30 P.M. MDT	Radiologic Evaluation of Pulmonary NTM Infections	Tilman Koelsch, MD		
1:30–2 P.M. MDT	Challenging Cases (Part 1)	Shannon Kasperbauer, MD		
2–2:15 P.M. MDT	Break and Exhibits			
2:15–3 P.M. MDT	NTM in the Immunocompromised Host	Kevin Winthrop, MD, MPH		
3–3:45 P.M. MDT	Panel Discussion	All Faculty		
3:45-4:45 P.M. MDT	Laboratory Tour (optional)			



Hybrid Event | njhealth.org/NTM2024

Day Two, Friday, April 26

7:30–8 A.M. MDT	Breakfast	
8–8:30 A.M. MDT	Challenging Cases (Part 2)	Jared Eddy, MD
8:30–9:30 A.M. MDT	Treatment of Slow Growing Mycobacteria	Charles Daley, MD
9:30–10:30 A.M. MDT	Treatment of Rapidly Growing Mycobacteria	Shannon Kasperbauer, MD
10:30–10:45 A.M.MDT	Break and Exhibits (RT available to demonstrate Airway Clearance)	
10:45–11:30 A.M MDT.	Surgical Management of NTM Lung Disease	John Mitchell, MD
11:30 A.M.–12:15 P.M. MDT	Novel Therapy in NTM Infections	Charles Daley, MD
12:15–1 P.M. MDT	Lunch	
12:15–1 P.M. MDT 1–1:45 P.M. MDT	Lunch Drug Toxicity and Adherence	David Griffith, MD, MS
		David Griffith, MD, MS Hilda Metjian, MD
1–1:45 P.M. MDT	Drug Toxicity and Adherence	, ,
1–1:45 P.M. MDT 1:45–2:30 P.M. MDT	Drug Toxicity and Adherence Bronchiectasis Break and Exhibits	, ,
1–1:45 P.M. MDT 1:45–2:30 P.M. MDT 2:30–2:45 P.M. MDT	Drug Toxicity and Adherence Bronchiectasis Break and Exhibits (RT available to demonstrate Airway Clearance)	Hilda Metjian, MD

National Jewish Health

Breathing Science is Life:

Accreditation Statement

National Jewish Health is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Designation Statement

National Jewish Health designates this live activity for a maximum of 13.75 AMA PRA Category 1 Credits $^{\text{m}}$. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nursing Continuing Education Accreditation Statement

Provider approved by the California Board of Registered Nursing, Provider Number 12724, for 13.75 contact hours.

Participant attendance throughout an entire conference segment is required to receive contact hours. Nursing contact hours will be prorated based on the number of segments attended.

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April 25-26, 2024 | Denver, CO

Educational Program Faculty Presenters

Edward Chan, MD

Staff Physician

National Jewish Health

Pulmonologist, Rocky Mountain Regional VA Medical Center

Charles Daley, MD (Program Co-Chair)

Chief and Professor of Medicine

Division of Mycobacterial and Respiratory Infections

National Jewish Health

Jared Eddy, MD

Assistant Professor of Medicine

Division of Mycobacterial and Respiratory Infections

National Jewish Health

David Griffith, MD,

Professor of Medicine

Division of Mycobacterial and Respiratory Infections

National Jewish Health

Jennifer Honda, PhD, ATSF

Associate Professor

Director, NTM Center at Tyler

University of Texas Health Science Center at Tyler

Shannon Kasperbauer, MD (Program Co-Chair)

Associate Professor of Medicine

Division of Mycobacterial and Respiratory Infections

National Jewish Health

Reeti Khare, PhD

Director, Infectious Disease Laboratory

Associate Professor

Advanced Diagnostic Laboratories

National Jewish Health

Tilman Koelsch, MD

Associate Professor of Radiology

National Jewish Health

Amy Leitman, JD

President

NTM Info & Research

Ted Marras, MD

Associate Professor

Director of the Toronto Western Hospital NTM Program

University of Toronto, Canada

Stacy Martiniano, MD

Associate Professor of Pediatrics

Children's Hospital of Colorado

University of Colorado Hospital

Hilda Metjian, MD, FCCP

Associate Professor

PCD Clinical Adult Site Director

Division of Pulmonary, Critical Care, & Sleep Medicine

National Jewish Health

John Mitchell, MD

David Endowed Chair in Thoracic Surgery

Professor and Chief

General Thoracic Surgery

University of Colorado Hospital

John Torrence

Bronchiectasis and NTM Ambassador

COPD Foundation

Kevin Winthrop, MD, MPH

Professor of Medicine

Division of Public Health, Infectious Disease, and

Ophthalmology

Oregon Health & Science University

April 25-26, 2024 | Denver, CO

Faculty Presenter Financial Disclosures

Edward Chan, MD has no relevant financial relationships to disclose.

Charles Daley, MD declares the following relevant financial relationships:

Advisory Board: AN2, AstraZeneca, Hyfe, Insmed, MannKind, Matinas BioPharma, Paratek, Spero Therapeutics,

Zambon

Investigator: AN2, Bugworks, Insmed, Juvabis, Paratek

Consultant: Insmed, Pfizer

Jared Eddy, MD has no relevant financial relationships to disclose.

David Griffith, MD declares the following relevant financial relationships:

Advisory Board: AN2, Insmed, Paratek

Investigator: Insmed

Consultant: AN2, Insmed, Paratek

Speaker: Insmed

Jennifer Honda, PhD has no relevant financial relationships to disclose.

Shannon Kasperbauer, MD declares the following relevant financial relationships:

Advisory Board: AN2, Insmed, Paratek

Investigator: Insmed Consultant: AN2, Insmed Speaker: AN2, Insmed, Paratek

Reeti Khare, PhD declares the following relevant financial relationships:

Investigator: AN2, Illumina, MannKind Corporation, Paratek

Tilman Koelsch, MD has no relevant financial relationships to disclose.

Amy Leitman, JD declares the following relevant financial relationships:

Advisory Board: MannKind Corporation

Consultant: Insmed

Ted Marras, MD declares the following relevant financial relationships:

Consultant: Lucid Group, MannKind Corporation, Pfizer

Investigator: Insmed

Stacy Martinano, MD has no relevant financial relationships to disclose.

Hilda Metijan, MD, FCCP has no relevant financial relationships to disclose.

John Mitchell, MD declares the following relevant financial relationships:

Consultant: Intuitive, Inc. Speaker: Intuitive, Inc.

John Torrence has no relevant financial relationships to disclose.

Kevin Winthrop, MD, MPH declares the following relevant financial relationships:

Consultant: AN2, Insmed, Janssen, Paratek, Red Hill Biopharma, Renovion, Spero, Zambon

Investigator: AN2, Insmed, Paratek, Red Hill Biopharma, Renovion, Spero

April 25-26, 2024 | Denver, CO

Planner Financial Disclosures

Charles Daley, MD declares the following relevant financial relationships:

Advisory Board: AN2, AstraZeneca, Hyfe, Insmed, MannKind, Matinas BioPharma, Paratek, Spero Therapeutics,

Zambon

Investigator: AN2, Bugworks, Insmed, Juvabis, Paratek

Consultant: Insmed, Pfizer

Michelle Haas, MD has no relevant financial relationships to disclose.

Shannon Kasperbauer, MD declares the following relevant financial relationships:

Advisory Board: AN2, Insmed, Paratek

Investigator: Insmed Consultant: AN2, Insmed, Speaker: AN2, Insmed, Paratek

Meghan Brenner, MA has no relevant financial relationships to disclose.

Laniecia Demmer has no relevant financial relationships to disclose.

Andrea Harshman, MHA, CHCP, CMP-HC has no relevant financial relationships to disclose.

Reviewer Financial Disclosures

Edward Chan, MD has no relevant financial relationships to disclose.

Sherstin Lommatzsch, MD has no relevant financial relationships to disclose.

Mike Mohning, MD declares the following relevant financial relationships:

Investigator: Bristol Myers Squibb

Ann Mullen, RN, CNS, CDE has no relevant financial relationships to disclose.

Zulma Yunt, MD declares the following relevant financial relationships:

Speaker: Boehringer Ingelheim

April 25-26, 2024, | Denver, CO

Faculty Biographies

Edward Chan, MD is a pulmonologist at the Rocky Mountain Regional VA Medical Center. He was born in Rangoon, Burma. His research interests are in host immune response to tuberculosis and non-tuberculous mycobacteria, which he and his colleagues conduct at National Jewish Health.

Charles L. Daley, MD (Program Co-Chair) is Chief of the Division of Mycobacterial and Respiratory Infections at National Jewish Health (NJH) and Professor of Medicine at NJH, the University of Colorado School of Medicine, and Icahn School of Medicine at Mount Sinai. Dr. Daley has served on and chaired expert panels for the World Health Organization (WHO), Centers for Disease Control and Prevention (CDC), Infectious Diseases Society of America and American Thoracic Society. He has participated on multiple guideline panels for these organizations including guidelines that address diagnosis, treatment (drug-susceptible and drug resistant) and prevention of TB. He recently Chaired the revision of the multisociety sponsored NTM Treatment Guideline. For his work with MDR-TB he was awarded the World Lung Health Award by the American Thoracic Society. He was previously Associate Editor for the American Journal of Respiratory and Critical Care Medicine and The European Respiratory Journal. His academic interests include TB global health policy and clinical and translational research related to TB, NTM infections and bronchiectasis.

Jared J. Eddy, MD received his medical degree at Johns Hopkins University School of Medicine. He completed his residency in internal medicine and fellowship in infectious diseases at Boston Medical Center where he also completed a research fellowship concentrating on tuberculosis. He also has master's degrees in epidemiology from the Boston University School of Public Health, and in classics from the University of Cambridge (UK) where he studied infectious diseases in ancient Rome. As an assistant professor of medicine in the Division of Mycobacterial and Respiratory Infections at National Jewish Health (NJH), he primarily treats patients with mycobacterial disease but also other infections. Additionally, he is director of infection prevention and control at NJH and St. Joseph's Hospital (Denver, CO), and director of the antimicrobial stewardship program at NJH.

David Griffith, MD is currently Professor of Medicine at National Jewish Health (NJH) in Denver, Colorado. Prior to joining NJH, he worked for 34 years at UT Health, Tyler, TX where he retired as Professor of Medicine in 2019. He held the William A. and Elizabeth B. Moncrief Distinguished Professorship for 17 years at UT Health. He is an Overseas Fellow of the Royal Society of Medicine and Fellow of the American Thoracic Society and American College of Chest Physicians.

Dr. Griffith was Chief of Tuberculosis Services at UT Health for 15 years. He was Medical Director for the Center for Pulmonary Infectious Disease (CPIDC) at UT Health, which provided thousands of free TB consultations for the State of Texas, for 17 years. He was the Assistant Medical Director for the Heartland National TB Center is San Antonio, Texas for 12 years. He was Medical Director for the Texas State Inpatient TB facility, the Texas Center for Infectious Disease (TCID) for 19 years.

Dr Griffith was a member of the writing committee for the American Thoracic Society (ATS) 1997 Guidelines for Diagnosis and Treatment of Nontuberculous Mycobacteria (NTM) and the chair of the

writing committee for the ATS and Infectious Diseases Society of America (IDSA) 2007 Guidelines for Diagnosis, Treatment, and Prevention of NTM) Diseases. He is a current member of the international multi-society committee that has revised the NTM guidelines. He also serves as a member of the board of directors of the NTM Information and Research Foundation. Dr Griffith has authored or co-authored more than 200 peer reviewed manuscripts, reviews and book chapters related to NTM disease. He recently edited a book dedicated to the diagnosis and treatment of NTM infections.

Jennifer R. Honda, PhD, ATSF was born and raised in Honolulu, Hawai'i. She received her B.S. from Colorado State University in Biology and Zoology, M.S. in Microbiology from the University of Hawai'i, and PhD in Microbiology from the University of Colorado Anschutz Medical Campus. Currently, Dr. Honda is basic science, translational mycobacteriologist and Associate Professor for the Department of Cellular and Molecular Biology and the School of Medicine at the University of Texas Health Science Center at Tyler where she is also the inaugural Director of a new NTM Center. Her research program actively studies the 1) environmental- 2) host— 3) microbial factors that contribute to NTM pulmonary disease emergence globally. The Honda Lab consistently seeks to learn more about the environmental drivers of NTM, routinely cultures NTM from environmental and clinical samples, and utilizes these recovered isolates to explore the intra- and inter- NTM species differences that contribute to pathogenicity and host evasion. Active in the American Thoracic Society (ATS) Pulmonary Infections and Tuberculosis (PI-TB) Assembly since 2014, she is the recipient of an ATS Foundation award in Pulmonary Medicine, PI-TB's Rising Star in 2019, PI-TB Top Junior Faculty in 2021, and an ATS Fellow in 2022. The European Respiratory Society distinguished Dr. Honda in 2020 as an Innovator in NTM Science and Medicine.

Shannon Kasperbauer, MD (Program Co-Chair) is an Associate Professor of Infectious Diseases at National Jewish Health and the University of Colorado Health Sciences Center. She is the director of education for the infectious disease division and manages the fellowship program. She has directed the Denver TB Course since 2007. Dr. Kasperbauer earned her medical degree at Wright State University School of Medicine in Dayton, OH. She completed her internship and residency in internal medicine at the University of Colorado, followed by her fellowship in infectious disease, also at the University of Colorado.

Dr. Kasperbauer has written many abstracts, has several publications, including book chapters and journal articles. She has given many presentations on infectious diseases, both nationally and internationally.

Dr. Kasperbauer's areas of interest include Chronic Respiratory Infections, General Infectious Diseases, Nontuberculous Mycobacterial Infections and Tuberculosis.

Reeti Khare, PhD, D is the Infectious Disease Laboratory Director at National Jewish Health. She earned her doctorate in Virology and Gene Therapy from the Mayo Clinic Graduate School. She completed a post-doctoral fellowship at the University of Washington, and returned to Mayo Clinic for a clinical microbiology fellowship, after which she became a diplomate of the American Board of Medical Microbiology. Prior to National Jewish Health, she served as the Director of Microbiology at Northwell Health in New York. She has written several chapters, a book titled "Guide to Clinical and Diagnostic Virology", and has co-authored numerous articles in peer-reviewed journals. In her free time, she likes to spend time with her family, read, and go biking.

Tilman L. Koelsch, MD is a cardiothoracic radiologist, and Associate Professor of radiology at National Jewish Health and the University of Colorado Health Science Center. He is the radiology liaison to the infectious disease division at National Jewish Health. Dr. Koelsch earned his medical degree from the University of Nebraska Medical Center in Omaha, NE. He completed his residency at Maricopa Medical Center in Phoenix, AZ, and completed a cardiothoracic radiology fellowship at National Jewish Health and at the University of Colorado Health Sciences Center.

His professional interests include imaging of thoracic and extrathoracic infections, interstitial lung disease, CT dose reduction, and cardiovascular imaging.

Amy Leitman, JD is the President of NTM Info & Research, a nonprofit advocacy group for patients with pulmonary nontuberculous mycobacterial disease. The daughter of a patient with NTM lung disease and bronchiectasis, she has spent the last 12 years championing the voice of the patient. In her role, Amy represents the interests and perspectives of patients, healthcare providers, researchers, industry, and other interested stakeholders, serves as a liaison to legislators, regulators, and independent organizations seeking patient input, and speaks at multi-stakeholder meetings. She has presented original patient preference research, co-authored several papers on NTM lung disease, and collaborated on patient-centered and epidemiologic research. Amy's career includes many years in communications and marketing, including for an NBA team and a major community nonprofit organization that mobilized human and financial resources to strengthen local and international community social safety nets.A native of Montreal, Canada, Amy grew up in Toronto before moving to Miami, Florida where she earned her Bachelor of Arts and Juris Doctor from the University of Miami. She is a member of the American Thoracic Society, the Infectious Diseases Society of America, the American College of Chest Physicians (CHEST), the American Society for Microbiology, the European Respiratory Society, and the Drug Information Association. She also currently serves as the co-chair of the Regulatory Working Group for the EveryLife Foundation for Rare Diseases.

Ted Marras, MD is the Director of the Toronto Western Hospital Nontuberculous Mycobacterial Disease Program, consultant in Respirology at UHN, a staff physician at the TWH TB Clinic, and an Associate Professor of Medicine at the University of Toronto, Canada. He received his M.D. at Queen's University (Kingston, Canada), clinical training in Internal Medicine and Respirology (FRCPC) at University of Toronto, and M.Sc. in Clinical Epidemiology at University of Toronto. He took advanced training in mycobacterial diseases at University of California, San Francisco, with electives at National Jewish Health, Denver Colorado, and Stanford University, Palo Alto, California. His clinical and research interests are in the field of nontuberculous mycobacterial disease. Much of his research has focused on population-based epidemiological aspects of NTM lung disease. He is a co-author of the American Thoracic Society, Infectious Diseases Society of America, European Respiratory Society, European Society of Clinical Microbiology and Infectious Disease NTM treatment guidelines.

Stacy Martiniano, MD is an Associate Professor of Pediatrics at the University of Colorado and Children's Hospital Colorado. She is a pediatric pulmonologist who focuses on lung infections, specifically, nontuberculous mycobacterial infections and in children with cystic fibrosis. As a national clinical expert and lead researcher, Dr. Martiniano serves as national co-principal investigator of two multicenter studies in NTM: The Prospective Evaluation of NTM Disease in Cystic Fibrosis (PREDICT Trial) and The Prospective Algorithm for Treatment of NTM in Cystic Fibrosis (PATIENCE Trial). Both are funded by the Cystic Fibrosis Foundation. Her clinical and translational research has already confirmed the rate of the infection and established the feasibility of new clinical tools such as

diagnostic algorithms. Over time, Dr. Martiniano seeks not only to improve outcomes for patients with NTM, but also to help clinicians and the broader cystic fibrosis community care for kids with cystic fibrosis and NTM.

Hilda Metijan, MD, FCCP is a board-certified physician in pulmonary medicine and critical care medicine. Originally from Miami, FL and graduated medical school from the University of Florida. She completed a pulmonary and critical care fellowship at the University of North Carolina, Chapel Hill, NC. While at UNC, her research focus was Primary Ciliary Dyskinesia. After fellowship she worked for Duke University for 10 years at Duke Raleigh Hospital in the Intensive Care Unit and treating patients with all pulmonary diseases in the outpatient setting. Dr. Metijan developed a special interest in chronic respiratory failure due to neuromuscular diseases and was the pulmonologist at the Duke ALS clinic from 2018- 2020. In 2020, she moved to Denver, CO where she had the opportunity to practice pulmonary medicine with a special focus in both bronchiectasis and neuromuscular diseases. She is the codirector of the PCD clinic, and the co-director of the ALS clinic at National Jewish Health. When she is not working, she enjoys cooking, reading, skiing, and spending time with her husband and 3 children.

John Mitchell, MD, a native of Colorado, received his undergraduate degree in molecular biology at the University of Colorado, and subsequently attended the University of Michigan Medical School on an Armed Forces Scholarship, graduating with honors. Over the next decade he completed residencies in both General and Cardiothoracic Surgery at the Massachusetts General Hospital in Boston, Massachusetts. During his residency, Dr. Mitchell also served as a Registrar in Cardiothoracic Surgery in Liverpool, England, and was the Linton research fellow at MGH. Following a four year period on active duty in the United States Navy, Dr. Mitchell joined the faculty at the Stanford University School of Medicine. He was subsequently recruited to the University of Colorado where he remains Professor and Chief of General Thoracic Surgery and holds the Courtenay C. and Lucy Patten Davis Endowed Chair within the Department of Surgery.

Dr. Mitchell's primary clinical responsibilities are at the University of Colorado Hospital and National Jewish Health, both in Denver. His clinical and research interests focus on surgery for infectious lung disease, airway surgery, all thoracic oncology, and minimally invasive approaches to thoracic surgical procedures.

Dr. Mitchell currently serves as a Director of both the American Board of Surgery and the American Board of Thoracic Surgery, and also serves on the Board of Directors for the Society of Thoracic Surgeons. He is a past President of the Western Thoracic Surgical Association, a past Governor of the American College of Surgeons, and is active in numerous national and international thoracic surgical societies. Finally, he is active in international outreach, improving thoracic health and education in Nepal.

Kevin Winthrop, MD, MPH is a Professor of Public Health at the Oregon Health & Science University-Portland State University School of Public Health (OHSU-PSU SPH), and a Professor of Infectious Diseases and Ophthalmology at the School of Medicine at Oregon Health & Science University in Portland, OR, USA.

Dr. Winthrop received his undergraduate degree in biology from Yale University, New Haven, CT, USA and his MD from OHSU. He completed his internal medicine residency training at Legacy Emanuel Hospital, Portland, OR. He completed an infectious disease epidemiology fellowship at the US Centers for Disease Control and Prevention. In 2003, Dr. Winthrop was conferred a Master in Public Health from the University of California, Berkley, CA, USA. In 2006, Dr. Winthrop returned to OHSU as Assistant Professor before progressing to his current appointment in 2018.

A former infectious disease epidemiologist in the Division of Tuberculosis Elimination at the US Centers for Disease Control and Prevention (CDC), Dr. Winthrop has co-authored over 400 publications, many regarding the epidemiologic and clinical aspects of opportunistic infections associated with immune-mediated inflammatory diseases, particularly those related to biologic immunosuppressive therapies. As a primary or senior investigator in many clinical or epidemiologic studies in these fields, he has collaborated closely with the rheumatology community in the evaluation and prevention of opportunistic infections in that setting. In addition, he is also member of the graduate faculty at OHSU where he mentors public health students, medical students, and physicians in post-graduate training. At OHSU, he directs a national referral center for chronic chest infections, and he serves as the medical consultant to the State of Oregon's Tuberculosis control program.

ACKNOWLEDGEMENTS

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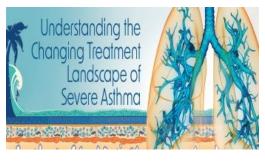
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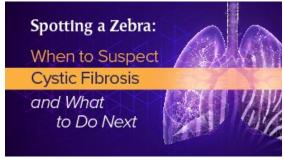
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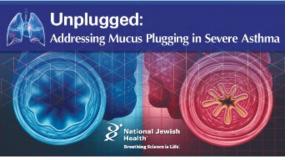
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