

Ryan Kahanowitch

Work

Weill Cornell Medicine

November 2022 - February 2025, New York, New York

Assistant Professor of Pediatric Pulmonology

New York-Presbyterian Komansky Children's Hospital

November 2022 - February 2025, New York, New York

Assistant Professor of Pediatric Pulmonology

Memorial Sloan Kettering Cancer Center

July 2023 - February 2025, New York, New York

Assistant Professor of Pediatric Pulmonology

- Affiliated with this hospital to perform inpatient consultation and bronchoscopy services through Weill Cornell Medicine

Clinical Duties

Director of Pediatric Pulmonary Function Testing Laboratory at Weill Cornell Medicine

- Hired and supervised new respiratory therapist to perform spirometry, impulse oscillometry, and complete pulmonary function testing with lung volumes and diffusion
- Currently developing exercise testing protocol, hypoxic challenge protocol, and expanding our testing capabilities now that a new laboratory space was completed in the Summer of 2024

Pulmonary Director of Pediatric Aerodigestive Program at Weill Cornell Medicine

- Collaborated with pediatric ENT, pediatric GI, pediatric SLP, and taught medical students/resident/fellows that rotate through the multidisciplinary clinic each month

Assistant Fellowship Program Director of Pediatric Pulmonology Program at Weill Cornell Medicine

- Worked with our three fellows on board-preparation, career guidance, complex clinical case presentations at conferences, etc.

Director of Student/Resident Pediatric Pulmonology Rotation at Weill Cornell Medicine

- Accepted student/residents domestically and abroad to rotate with our division for two to four weeks
- Guided the students to develop clinical skills and critical thinking, culminating with an end of rotation lecture on a complex case they encountered

Education

Children's National Hospital

July 2019 - June 2022, Washington, D.C.

Pediatric Pulmonology Fellowship

Maimonides Infants and Children's Hospital of Brooklyn

July 2016 - June 2019, Brooklyn, NY

Pediatrics Residency

St. George's University School of Medicine

January 2011 - June 2015, St. George's, Grenada

Medical Degree

University of California - San Diego

September 2005 - December 2009, La Jolla, CA

Bachelor of Science Human - Biology

Bachelor of Arts - History

Research Activities

Neonatal and Infant Clinical and Experimental Airway Biology Laboratory

2019 - 2022, Washington, D.C.; Principal Investigator - Dr. Gustavo Nino

- Focused on pathobiology of respiratory disorders, especially with respiratory viruses in high-risk populations such as Trisomy 21 and premature patients
- Learned airway epithelial cell culture techniques and wet lab training
- Utilized Minitab for data analysis
- Developing a human epithelial model of Trisomy 21 to examine immune response and airway response to viruses
- Worked with co-fellow Dr. Aguilar to utilize longitudinal extraction in the NICU to map trajectories in extreme prematurity

Outside Manuscript Peer Review: "Pili Annulati: Is It a New Finding in Cystic Fibrosis?"

December 2021 Washington, D.C.; in conjunction with Dr. Dinesh Pillai

Outside Manuscript Peer Review: "The Importance of Flexible Bronchoscopy in Difficult-to-Treat Asthma From a Pediatric Pulmonology Perspective"

October 2021 Washington, D.C.; in conjunction with Dr. Anastassios Koumbourlis

Quality Improvement Project: "Enhancing Family Communication After Flexible Bronchoscopy"

June 2021 - June 2022, Washington, D.C.; in conjunction with Dr. Hector Aguilar and Dr. Dinesh Pillai

Ongoing Projects:

Quality Improvement Project: Anxiety Screening in Asthma

2022 - Present, New York, New York

Quality Improvement Project: Sleep Studies in the NICU

January 2023 - Present, New York, New York

Publications/ Presentations

XuChen, X., Weinstock, J., Arroyo, M., Salka, K., Chorvinsky, E., Abutaleb, K., Aguilar, H., **Kahanowitch, R.**, Rodríguez-Martínez, C. E., Perez, G. F., Gutierrez, M. J., & Nino, G. (2021). Airway Remodeling Factors During Early- Life Rhinovirus Infection and the Effect of Premature Birth. *Frontiers in pediatrics*, 9, 610478. <https://doi.org/10.3389/fped.2021.610478>

Nino, G., Molto, J., Aguilar, H., Zember, J., Sanchez-Jacob, R., Diez, C. T., Tabrizi, P. R., Mohammed, B., Weinstock, J., Xuchen, X., **Kahanowitch, R.**, Arroyo, M., & Linguraru, M. G. (2021). Chest X-ray lung imaging features in pediatric COVID-19 and comparison with viral lower respiratory infections in young children. *Pediatric pulmonology*, 56(12), 3891–3898. <https://doi.org/10.1002/ppul.25661>

Weinstock, J., Xuchen, X., Arroyo, M., Aguilar, H., **Kahanowitch, R.**, Gutierrez, M. J., & Nino, G. (2022). The Next Frontier of Prematurity: Predicting Respiratory Morbidity During the First Two Years of Life in ExtremelyPremature Babies. *Cureus*, 14(3), e23505. <https://doi.org/10.7759/cureus.23505>

Kahanowitch, R., Gaviria, S., Aguilar, H., Gayoso, G., Chorvinsky, E., Bera, B., Rodríguez-Martínez, C. E., Gutierrez, M. J., & Nino, G. (2022). How Did RSV and Other Pediatric Respiratory Viruses Change During the COVID-19 pandemic? *Pediatric pulmonology*, 10.1002/ppul.26053. Advance online publication. <https://doi.org/10.1002/ppul.26053>

Kahanowitch, R., Aguilar, H., Weiss, M., Lew, J., Pan, Q., Ortiz-Vergara, M. C., Rodriguez, O., & Nino, G. (2023). Developmental changes in obstructive sleep apnea and sleep architecture in Down syndrome. *Pediatric pulmonology*, 58(7), 1882–1888. <https://doi.org/10.1002/ppul.26405>

Aguilar, H., **Kahanowitch, R.**, Weiss, M., Ortiz-Vergara, M. C., Lew, J., Rodriguez, O., & Nino, G. (2023). Real-world data evaluation of PAP responsiveness in pediatric obstructive sleep apnea. *Journal of clinical sleep medicine : JCSM : official publication of the American Academy of Sleep Medicine*, 19(7), 1313–1319. <https://doi.org/10.5664/jcsm.10578>

Case Report Presentations:

“Neuroendocrine Cell Hyperplasia of Infancy”

Presented at Metropolitan DC Thoracic Society September 22 2021, and also presented to pediatric pulmonology division at Lucile Packard Children’s Hospital at Stanford

“TB or Not TB”

Abstract presented virtually at American Thoracic Society May 2020 and presented at Metropolitan DC Thoracic Society December 2019

- Case report on hydropneumothorax due to right atrial thrombus rather than tuberculosis

Lectures

Airway Biology Curriculum

2019 - 2022, Washington, D.C.

- Developed curriculum with Dr. Nino where fellows give weekly lectures on selected topics
- Presented 60 minute lectures 3 times per year on topics such as mucus biology, diseases of surfactant homeostasis, the cytokines of asthma, airway epithelial immunology, viral illness in early life, primary ciliary dyskinesia, overview of cellular and molecular biology in the development of the respiratory system

Physiology Curriculum

2019 - 2025, Washington, D.C. and New York, New York

- Presented, discussed, and taught physiology concepts from *West's Respiratory Physiology* including 60 minute lectures on Structure and Function, Ventilation, Blood Gas Transport, Diffusion, Pulmonary Blood Flow, Pulmonary Gas Exchange, Mechanics of Breathing

Inpatient Lectures

2019 - 2022, Washington, D.C.

- Provided twice weekly lectures to residents while in-patient on various topics: asthma, cystic fibrosis, chronic lung disease and bronchopulmonary dysplasia, pulmonary function testing, airway clearance techniques/medications/devices, tracheostomy, hemoptysis, stridor, pneumonia, SARS-CoV-2
- Presented and critiqued journal articles 3 times per year

Inpatient Lectures

2022 - 2025, New York, New York

- Presented various lectures to medical students, residents, and fellows on topics such as high altitude, deep sea diving, cystic fibrosis, updates on primary ciliary dyskinesia diagnosis/management, etc.

Languages

English

Native speaker

Spanish

Conversational

Awards

Pediatric Resident Development Scholarship

April 2018

American Thoracic Society

Memberships

American Thoracic Society

European Respiratory Society

Chest

American Academy of Pediatrics

**Certification
and Licensure**

New York Medical License - 319760-01

National Provider Identifier - 1659725257

American Board of Pediatrics - Certificate #129915

American Board of Pediatrics (Pulmonology) - Certificate #1544

References available upon request