



## **2023 American Pediatric Society Election Candidate**

**Position:** Secretary/Treasurer  
**Candidate:** David N. Cornfield, MD  
**Candidate Institution(s):** Stanford University School of Medicine  
Lucile Salter Packard Children's Hospital at Stanford  
**Candidate Subspecialty:** Pulmonary Medicine

## **Personal Interest Statement for an American Pediatric Society Council Position:**

The life of an academic pediatrician is rich. Giving, learning, teaching, bringing comfort to the ill, generating new knowledge, working daily to replace fear with hope...the dreams and fundamental goals of academic pediatrics. The American Pediatric Society, since 1888, has sought to promote the conditions conducive to the creation, recruitment, and retention of the next generation's academic pediatricians. To reach our collective goal, the APS must: (1) use the moral authority invested in an organization of 1200 members to provide leadership for issues that impact pediatric research, especially physician-scientist training; (2) promote diversity and inclusion across the academic landscape across the globe; (3) dynamically engage the membership and provide palpable reasons for membership; (4) deepen strategic alliances with mutually interested organizations; (5) identify and develop new programmatic initiatives to create new academic pediatricians; (6) focus on priority areas over the long-term through coordination and strategic planning that crosses the administration of several presidents and councils. Serving the APS as Secretary/Treasurer would be a tremendous privilege. For your consideration, I thank you.

David N. Cornfield, MD  
Anne T. and Robert M. Bass Professor of Pulmonary Medicine  
Director-Center for Excellence in Pulmonary Biology  
Department of Pediatrics and (by courtesy) Surgery  
Stanford University School of Medicine  
Chief- Pulmonary, Asthma, and Sleep Medicine and Medical Director - Respiratory Therapy  
Lucile Salter Packard Children's Hospital at Stanford  
Co-Director, Physician-Scientist Training Program, Chan-Zuckerberg Biohub

## **David N. Cornfield, MD**

David N. Cornfield earned a medical degree from the University of Wisconsin School of Medicine (1986) and completed residency at Children's Mercy Hospital in Kansas City, Missouri where he was recognized as the Most Outstanding House Officer and Chief Resident (1989). He later completed his fellowship in both pediatric pulmonology and critical care medicine at the University of Colorado Health Sciences Center, Denver Children's and National Jewish Hospital, Denver (1993).

Dr. Cornfield was appointed the first holder of the Anne T. and Robert M. Bass Professorship in Pediatric Pulmonary Medicine at Stanford University School of Medicine in December 2005. He is director of the Center for Excellence in Pulmonary Biology, and chief of the division of pediatric pulmonary, asthma, and sleep medicine at Stanford University.

Prior to joining the faculty of Stanford University, Dr. Cornfield served as professor of pediatrics, physiology, and surgery at the University of Minnesota Medical School, and Division Director of Pediatric Pulmonary and Critical Care Medicine, interim head of the Department of Pediatrics, and as the Associate Dean for Research. At Stanford University, Dr. Cornfield led the Division of Pediatric Critical Care Medicine from 2006 through 2015.

Dr. Cornfield's basic science research focuses on pulmonary vascular development, alveolarization, and the molecular mechanisms underlying oxygen sensing. His research has provided insight into the fundamental biology of the transition of pulmonary circulation at birth, determinants of pulmonary vascular tone, and lung development. Ongoing research includes the transcriptomics of the developing lung using single cell RNA sequencing, uterine contractility in term and preterm labor, and lung barrier function. His laboratory has been NIH funded for the past 25 years. Clinical and translational research has included work on inhaled nitric oxide, acute lung injury in infants and children, non-invasive approaches to detect organ rejection, the lung microbiome in cystic fibrosis, remote monitoring of asthma, bronchopulmonary dysplasia (BPD), violence prevention in developing countries, microlending in Africa, and training and retaining physician-scientists in pediatrics. Dr. Cornfield has been the PI of an NIH training grant in pulmonary biology since 2015.

Dr. Cornfield is an active member of the American Pediatric Society (APS), American Thoracic Society, Society for Pediatric Research (SPR), American Academy of Pediatrics (AAP), and American Physiological Society, and served as President of the SPR. He serves on the editorial boards of the American Journal of Physiology, Pediatrics, and Pulmonary Circulation. He served as a regular member of study sections of the NIH (NHLBI, NICHD), the March of Dimes, and the American Heart Association (AHA) and as a member of the AAP pediatric education committee, Pediatric Academic Societies (PAS) advocacy committee, and the Federation of Pediatric Organizations task force on training and scholarship. Relative to APS, Dr. Cornfield has served on the program committee for the annual meeting since 2019, an abstract reviewer, served on Awards committees, and as faculty leader for the combined (SPR/APS) "Journeys" program, and on the annual meeting executive committee.

Dr. Cornfield is the recipient of numerous professional honors including the Daniel C. Darrow Award from Children's Mercy Hospital, the Richard B. Rowe Award for outstanding achievements in perinatal cardiology from the SPR, the Established-Investigator and Clinician-Scientist Awards from the AHA, and Clinician of the Year Award from the University of Minnesota Medical School and has been recognized annually as an Outstanding Faculty Educator, "Top Pediatrician" and "Best Doctor." Dr. Cornfield is a committed physician-scientist and a founding co-Director of the Chan Zuckerberg Biohub Physician-Scientist Training Program and Director of the Wu Tsai Human Performance Alliance Physician-Scientist Fellowship Program,