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# Pediatrics

## ASSEMBLY OFFICERS

**Stephanie Davis, MD**  
Assembly Chair  
[stephanie\\_davis@med.unc.edu](mailto:stephanie_davis@med.unc.edu)

**Paul Moore, MD**  
Incoming Assembly Chair  
[paul.moore@vanderbilt.edu](mailto:paul.moore@vanderbilt.edu)

**Hara Levy, MD**  
Planning Chair  
[hlevy@luriechildrens.org](mailto:hlevy@luriechildrens.org)

**Sharon D. M. Dell, MD**  
Program Chair  
[sharon.dell@sickkids.ca](mailto:sharon.dell@sickkids.ca)

**Sharon McGrath - Morrow, MD, MBA**  
Program Chair -Elect  
[smcgrath@jhmi.edu](mailto:smcgrath@jhmi.edu)

**James Chmiel, MD, MPH, ATSF**  
Nominating Chair  
[jfchmiel@iu.edu](mailto:jfchmiel@iu.edu)

**Benjamin T. Kopp, MD**  
Web Director  
[benjamin.kopp@nationwidechildrens.org](mailto:benjamin.kopp@nationwidechildrens.org)

## ASSEMBLY CONTACT

**Website:** <http://www.thoracic.org/assemblies/peds/index.php>

**Email:** [peds@thoracic.org](mailto:peds@thoracic.org)

**Twitter:** <https://twitter.com/ATSPeds>

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## MESSAGE FROM THE ASSEMBLY CHAIR

Dear Assembly Colleagues,

It has been a true privilege to serve as the Assembly Chair for the past two years. Due to the hard work of the Executive Committee members as well as members of the Pediatric Assembly, this past year has been incredibly productive as we continue to promote our mission of child respiratory health. I would like to thank the Executive Committee and Pediatric Assembly members for your hard work and dedication this year. At the ATS conference, Paul Moore will transition into the role of Pediatric Assembly Chair. As Chair elect, he has led a number of important initiatives. He will certainly be an outstanding leader for the Pediatric Assembly.



Editor: Stephanie D. Davis, MD

We have an exciting program planned for the ATS International Conference in Dallas! Sharon Dell, Program Chair, Sharon McGrath-Morrow, Program Chair-Elect, and the committee members have developed a dynamic program for the 2019 conference. Highlights include 11 symposia including Pediatric Year in Review and four jointly developed symposia, the historically well attended early morning MOC sessions, 3 postgraduate courses (including our first ever PG courses in BPD and sickle cell disease management) and 4 mini-symposia. The mini-symposia are Best of Pediatrics as well as an additional three highlighting clinical research in BPD, asthma epidemiology and viral infection in early childhood. Three hundred and thirty-nine abstracts from all over the world were submitted to the Pediatric Assembly this year.

I would also like to thank Deborah Liptzin, Edith Zemanick, and Ryan Good for organizing the 2019 pediatric course curriculum for the resident bootcamp. The bootcamp is highly regarded by the trainees; residents that have matched in pediatric intensive care or pediatric pulmonology may attend this bootcamp. We had a record number of applications this year so unfortunately were not able to accept all interested applicants. However, due to its' success last year, we are once again offering the Pediatric Resident Development Scholarship to first and second year residents who have not matched, but are interested in subspecializing in pediatric pulmonary or pediatric sleep. Each Scholarship awardee will attend the International Conference, receive a certificate of achievement, a travel stipend in the amount of \$1000 and one year's Trainee Membership to the ATS. We accepted twenty residents for this program. Finally, Jim Chmiel and DB Sanders are once again directing the pediatric pillar for the fellows track symposium. This well-attended symposium continues to be very popular for the fellows.

I would like to thank Hara Levy for her leadership as Planning Chair. In May, Erick Forno will take over as Planning Chair for two years. Several projects were successfully renewed this year. One new Clinical Practice Guidelines project entitled Outpatient Respiratory Management of Infants, Children and Adolescents with Post Prematurity Respiratory Disease was approved. This project is led by Ilona Cristea, Larry Rhein, and Clement Ren. If you have ideas for a project, it is not too early to begin planning. The application deadline for new projects typically occurs in July. If you have any questions about a project, please reach out to Hara Levy, or Erick Forno. The planning committee also reviewed nominations for the four pediatric assembly awards: the Founders Award, the Lifetime Contributions to Pediatric Respiratory Medicine Award, the Robert B. Mellins Award, and the Pediatric Clinician Educator Award. Furthermore, partnering with the Sleep Assembly, the Carole L. Marcus award will be given to an outstanding junior investigator for his or her contr (Continued on Page 2)

## MESSAGE FROM THE ASSEMBLY CHAIR *(Continued)*

contributions to pediatric sleep and/or respiratory neurobiology. This year, we once again have the Founder's Dinner scheduled where we honor our mentors in pediatric respiratory medicine as well as emerging leaders. This year, the Pediatric Assembly business meeting and the Founders Dinner will once again occur on the same evening, Sunday May 21st. I would like to thank Jim Chmiel, our Nominating Chair, and his committee for putting the slate of future officers together. Election results will be announced at the Pediatrics Assembly Membership Meeting. Pediatrics Assembly awards will be presented at the Founders dinner, scheduled on Sunday evening, May 19th. At the dinner, we also plan to honor Jeff Wagener who unfortunately passed away on October 24, 2018. Please register for the dinner!

The interest groups, working groups and subcommittees of the Scientific Assembly on Pediatrics have been quite busy since we met as an Assembly in May 2018. The Pediatric Assembly Interest Groups are: 1) Infant and Preschool Lung Function led by Jessica Pittman, 2) Neonatal and Developing Lung led by Larry Noguee and Trent Tripple, 3) the Children's Interstitial and Diffuse Lung Research Network led by Robin Deterding and Lisa Young, 4) Pulmonary Complications of Childhood Cancer led by Samuel Goldfarb and Jesse Roman, and 5) the ATS/SIMRI (Italian Society of Pediatric Respiratory Diseases) group led by Enrico Lombardi. Our Interest Groups are quite active throughout the year, participating in conference calls as well as working on documents or projects. Finally, Pediatrics has a joint working group with Clinical Problems, led by Dr Greg Sawicki and Dr. Carla Frederick, focused on Transition of Care.

The International Relations Group, led by Dr. Laura Gochicoa and Dr Ozge Yilmaz, is a subcommittee of the Scientific Assembly on Pediatrics. This active group consists of 56 members from different countries and continues to expand. This group highlights their work through the Virtual International Pediatric Pulmonary Network (VIPPN) webpage (<http://vippn.thoracic.org/index.php>). A new subcommittee established this year is the Pediatric Advocacy Committee led by Christy Sadreameli. This committee has really been active the past several months; the goals of this new committee include training and empowering Assembly Members to advocate for the respiratory health of children, keeping the Assembly members informed about issues related to pediatric respiratory health and connecting Assembly members with existing advocacy efforts and opportunities related to respiratory health of children. The Long-Range Vision Sub-Committee, a group providing institutional memory and strategic advice for both the Assembly Chair and the Executive Committee will be meeting at the International Conference to discuss future plans for the Assembly.

The Early Career Professionals Group is now led by Kristie Ross. I would like to thank DB Sanders for successfully leading this group for many years. Eighteen mentees have been matched with mentors this year. The group identified two apprentices this year: Zarmina Ehsan (Program Committee) and Pritish Mondal (Planning Committee). A luncheon is again planned for young faculty to attend on Wednesday, May 21st during the conference. During the luncheon, faculty will have the opportunity to network. Please plan to attend!

Ben Kopp has been an amazing Web Director for the Assembly for the past several years. He is transitioning this leadership role to Jane Taylor. Ben, Jane, and their team work behind the scenes on journal clubs, twitter, Podcasts, and Quick Hits cases. The twitter account continues to improve communication within the Pediatric Assembly. The Assembly has 30 journal clubs and 10 podcasts that can be downloaded and listened to anytime. We now have 7 Quick Hits cases. This group recently established a Pediatric Assembly In Memoriam page to honor exceptional individuals who shaped our field (<http://www.thoracic.org/members/assemblies/assemblies/peds/in-memoriam/index.php>). Thank you Ben and Jane for your leadership and hard work!

The ATS Pediatric Division Chiefs group, led by Tom Lahiri and Christopher Oermann, has been busy with monthly executive team member conference calls. A business meeting is scheduled for Sunday, May 19th. All Division Chiefs and Clinical Directors are invited! The Pediatric Pulmonary Training Directors Association (PEPTDA) business meeting, led by Stacey Peterson-Carmichael, is scheduled for Monday, May 20th. Both groups met together at the 2018 North American Cystic Fibrosis Meeting to discuss workforce issues.

Further details on Assembly activities are outlined in this newsletter.

# PLANNING COMMITTEE

Hara Levy, MD, Chair

Several projects were renewed this year and one new Clinical Practice Guidelines project was approved. If you have ideas for a project, it is not too early to begin planning. The application deadline for new projects typically occurs in July. If you have any questions about a project, please reach out to Hara Levy ([hlevy@luriechildrens.org](mailto:hlevy@luriechildrens.org)) or Erick Forno ([Erick.Forno@chp.edu](mailto:Erick.Forno@chp.edu)).

The Planning Committee is also reviewing nominations for the Pediatrics assembly awards. As you recall, we have four awards: The Founders Award, the Lifetime Contributions to Pediatric Respiratory Medicine Award, the Robert B. Mellins Award, and the Pediatric Clinician Educator Award. The tenth annual Founder's award will be presented to a "giant" in the field of pediatric pulmonology, critical care, or neonatal medicine. The third annual Lifetime Contributions to Pediatric Respiratory Medicine award will be presented to a candidate who has dedicated his or her career to advancement in pediatric pulmonary medicine. The Pediatric Clinician Educator Award is presented to an Assistant or Associate Professor level candidate who is an innovative and an exemplary clinician and teacher. The Robert Mellins Award is presented to the Instructor, Assistant, or early Associate Professor level candidate who is recognized for his or her achievements in scholarship or research. Partnering with the Sleep Assembly, we added a new award last year honoring Carole L. Marcus. This outstanding achievement award will be presented to a junior faculty member for his or her career accomplishments in the area of pediatric sleep and respiratory neurobiology. Lastly, the succession plan is in place and Dr. Erik Forno has agreed to take over the reins of the Pediatric Planning Committee.

Respectfully submitted by Hara Levy.

## Submit an Assembly/Committee Project Application for Funding in FY2020!

We are happy to announce that ATS will once again accept **NEW Assembly/Committee Projects for FY2020**. All interested applicants should begin developing their ideas for Assembly/Committee Project Applications. **Applications will be available on the ATS website at [www.thoracic.org](http://www.thoracic.org)**

Please consider submitting an application for an Assembly/Committee project. If you have a suggestion for a project application and you need assistance, please contact your **Assembly Planning Committee Chair Hara Levy, MD at [hlevy@luriechildrens.org](mailto:hlevy@luriechildrens.org)**.

For questions regarding submissions please contact  
Miriam Rodriguez at:  
tel: (212) 315-8639 or email: [Mrodriguez@thoracic.org](mailto:Mrodriguez@thoracic.org).

**The ATS has a Guideline Methodology Scholar Program that provides hands-on training in guideline development. An informational program is being held on Monday, May 20th from 7-8:30 PM, Hyatt Regency Dallas, Sanger A (Atrium Level). Anyone who is interested in learning more about clinical practice guideline development and the ATS training program that provides a hands-on experience in clinical practice guideline development is welcome to attend. A light dinner will be served. Please**

**RSVP to [kwilson@thoracic.org](mailto:kwilson@thoracic.org). Space is limited.**

Additional information: The field of clinical practice guideline development has changed dramatically over the past decade. Formal standards must now be met as defined by the Institute of Medicine, which include a specific approach to searching for evidence, selecting evidence, summarized evidence, formulating recommendations, and rating the quality of evidence and the strength of the recommendations. The ATS and other guideline developers have learned that to successfully adhere to these standards, a guideline methodologist is necessary on each guideline committee. Clinical practice guideline methodologists are individuals who are capable of leading both systematic reviews (i.e., develop search strategies, select studies, extract data, perform meta-analyses, and construct evidence tables and summary of findings tables) and the formulation and grading of evidence-based recommendations.

The requirement that there be a methodologist on every guideline committee has created an imbalance, with the demand for methodologists far exceeding the supply. As organizations move toward continuously updating guidelines and demand increases, this imbalance will worsen. In order to combat this trend and build methodological capacity, the ATS has a methodology training program that takes individuals who have an interest in learning guideline methodology and places them on a guideline panel that needs methodological support. The trainee does the hands-on methodological work for the panel with guidance from the ATS methodologist and, in return, gains experience and middle co-authorship on the guideline. After working on one or two such guidelines projects, the trainee will likely have the skills necessary to become an independent methodologist. We believe that this is a potential career pathway, particularly well-suited for clinician-educators.

Additional benefits of the program include: a) systematic reviews performed during the development of the guideline are often publishable as independent entities and the trainee would be the first author on such derivatives, b) participation in a methodology training workshop, and c) participation in the Evidence Synthesis Methodology Working Group of the Behavioral Sciences and Health Services Research Assembly. The latter will lead to additional opportunities to participate in various workshops and projects.

**Chief, Documents & Medical Affairs  
Kevin Wilson, MD**

# PROGRAM COMMITTEE

Sharon D. M. Dell, MD, Chair and Sharon McGrath-Morrow, MD, MBA, Chair-Elect

The 2019 International Conference in Dallas, Texas features a wide range of programming of interest to members of the Pediatric Assembly. We are grateful to ATS members who submitted outstanding proposals for symposia, workshops, and postgraduate courses. We thank members of the Program Committee who reviewed 339 scientific abstracts and case reports and helped the chairs program exciting research findings into mini-symposia, poster discussion and thematic poster sessions.

The full program is outlined below, and there are a number of areas worth highlighting:

**Postgraduate Courses.** 3 post-graduate courses are offered: Respiratory Physiology over the Lifespan- a proven winner, and two new courses not previously offered focusing on modern disease management for sickle cell disease and bronchopulmonary dysplasia.

**Core Curriculum.** Rise and shine in San Diego each morning at 7 AM for the Pediatric Core Curriculum.

**Scientific Symposia.** A total of 7 scientific symposia feature diverse topics:

- Born Too Soon: the effects of prematurity on the neonatal/developing lung
- Difficult to treat asthma in the pediatric population
- Novel Biomarkers for the Diagnosis, phenotyping and management of pediatric lung diseases
- Controversies in pediatric pulmonology
- LUNGMAP-ING cell lineages in human development and disease
- Management of neuromuscular respiratory failure syndromes
- They've got the beat: cilia in development and disease

**Pediatric Year in Review.** This popular session is on Sunday afternoon and will focus on updates in cystic fibrosis, non-CF bronchiectasis, sleep and, for the first time, aerodigestive diseases.

**Pediatric Clinical Chest Rounds.** Another highly popular session, programmed on Tuesday afternoon, features trainees presenting 4 fascinating cases and review by expert faculty discussants.

**Workshops, Sunrise Seminars, and Meet the Professor Sessions** feature a number of experts within the Assembly who share their expertise. Topics include pediatric exercise testing, diagnosing PCD, the respiratory microbiome, anti-inflammatories in lung disease, genetics in pulmonary practice, pulmonary complications in childhood cancer, and pediatric CPAP basics.

**Mini Symposia.** These sessions highlight a handful of abstracts submitted to the Pediatric Assembly:

- Viral infection in early childhood
- Best of Pediatrics (Monday afternoon)
- Clinical studies in BPD
- Best of pediatric asthma epidemiology

**Poster Discussion Sessions.** Six poster discussion sessions in the Pediatric Assembly will utilize RAPiD (Rapid Abstract Poster Discussion), in which each author will be given 1 minute to present a single slide at the start of the session. The authors will be present at their posters for the next hour, followed by a discussion of relevant themes and issues in the final 30 minutes. Members of several pediatric interest groups (ChILDRN, Pulmonary Complications of Childhood Cancer, Primary Ciliary Dyskinesia, Sickle Cell Disease) will find compelling research presented at the Tuesday morning PD session "Clinical & Translational Studies in Rare Lung Disease".

**Thematic Poster Sessions.** Remember to stop by the posters during the unopposed time mid-day each day to support your colleagues, including many of our trainees! Case presentations are featured on Tuesday just prior to Pediatric Clinical Chest Rounds.

We hope that you enjoy the 2019 International Conference, and please keep in mind that proposals for the 2020 International Conference will be due in June.

See you in Dallas.

**ATS 2019 INTERNATIONAL CONFERENCE  
ASSEMBLY ON PEDIATRICS SESSIONS**

<b>Session Code</b>	<b>Session Title</b>	<b>Session Time</b>	
<b>Postgraduate Courses</b>			
<b>Friday, May 17, 2019</b>			
PG7	ADVANCING CARE OF SICKLE CELL LUNG DISEASE: A PRACTICAL GUIDE TO PATIENT MANAGEMENT	8:00 AM	4:00 PM
<b>Saturday, May 18, 2019</b>			
PG19	RESPIRATORY PHYSIOLOGY OVER THE LIFESPAN: WHEN IT'S RIGHT AND WHEN IT'S NOT	8:00 AM	4:00 PM
PG20	OPTIMIZING MANAGEMENT OF THE PATIENT WITH SEVERE BRONCHOPULMONARY DYSPLASIA	8:00 AM	4:00 PM
<b>Scientific Symposia</b>			
<b>Sunday, May 19, 2019</b>			
A9	NOVEL BIOMARKERS FOR THE DIAGNOSIS, PHENOTYPING, AND MANAGEMENT OF PEDIATRIC LUNG DISEASES	9:15 AM	11:15 AM
A81	PEDIATRIC YEAR IN REVIEW	2:15 PM	4:15 PM
<b>Monday, May 20, 2019</b>			
B6	BORN TOO SOON: THE EFFECTS OF PREMATURETY ON THE NEONATAL AND DEVELOPING LUNG	9:15 AM	11:15 AM
<b>Tuesday, May 21, 2019</b>			
C9	DIFFICULT TO TREAT ASTHMA IN THE PEDIATRIC POPULATION	9:15 AM	11:15 AM
C83	PEDIATRIC CLINICAL CHEST ROUNDS	2:15 PM	4:15 PM
C86	LUNGMAP-ING CELL LINEAGES IN HUMAN DEVELOPMENT AND DISEASE	2:15 PM	4:15 PM
<b>Wednesday, May 22, 2019</b>			
D89	CONTROVERSIES IN PEDIATRIC PULMONOLOGY	1:30 PM	3:30 PM
<b>Jointly-Developed Symposia</b>			
<b>Monday, May 20, 2019</b>			
B83	MANAGEMENT OF NEUROMUSCULAR RESPIRATORY FAILURE SYNDROMES: NIPPV FOR DAY, NIGHT AND THE SOCCER FIELD	2:15 PM	4:15 PM
B85	THEY'VE GOT THE BEAT: CILIA IN DEVELOPMENT AND DISEASE	2:15 PM	4:15 PM
B91	HAVE A BIGGER IMPACT! EFFECTIVE STRATEGIES TO UTILIZE YOUR PROFESSIONAL EXPERTISE TO ADVOCATE FOR YOUR PATIENTS AND YOUR COMMUNITIES	2:15 PM	4:15 PM
<b>Wednesday, May 22, 2019</b>			
D90	IMPROVING (LUNG) HEALTH IN PEOPLE LIVING WITH HIV	1:30 PM	3:30 PM

Session Code	Session Title	Session Time	
<b>Sunrise Seminars</b>			
<b>Monday, May 20, 2019</b>			
SS110	THE BUGS THAT SHAPE US: UNDERSTANDING EVIDENCE ON THE EARLY-LIFE RESPIRATORY MICROBIOME	6:45 AM	7:45 AM
<b>Tuesday, May 21, 2019</b>			
SS211	DIAGNOSING PRIMARY CILIARY DYSKINESIA: APPLYING RESEARCH TO EVERYDAY CLINICAL PRACTICE AND BEYOND	6:45 AM	7:45 AM
<b>Wednesday, May 22, 2019</b>			
SS311	ANTI-INFLAMMATORIES IN LUNG DISEASE: WHAT WORKS WHERE	6:45 AM	7:45 AM
<b>Meet The Professor Seminars</b>			
<b>Sunday, May 19, 2019</b>			
MP409	FROM PAP TO APP: NUTS AND BOLTS OF PEDIATRIC CPAP	12:15 PM	1:15 PM
<b>Monday, May 20, 2019</b>			
MP506	GENETICS IN MODERN DAY PULMONARY PRACTICE	12:15 PM	1:15 PM
<b>Tuesday, May 21, 2019</b>			
MP609	PULMONARY COMPLICATIONS AND MANAGEMENT OF CHILDHOOD CANCER	12:15 PM	1:15 PM
<b>Workshop</b>			
<b>Monday, May 20, 2019</b>			
WS3	DEMISTIFYING PEDIATRIC EXERCISE TESTING INTERPRETATION	11:45 AM	1:15 PM
<b>Mini-Symposia</b>			
<b>Sunday, May 19, 2019</b>			
A17	VIRAL INFECTION IN EARLY CHILDHOOD	9:15 AM	11:15 AM
<b>Monday, May 20, 2019</b>			
B94	BEST OF PEDIATRICS	2:15 PM	4:15 PM
<b>Tuesday, May 21, 2019</b>			
C16	CLINICAL STUDIES IN BRONCHOPULMONARY DYSPLASIA	9:15 AM	11:15 AM
<b>Wednesday, May 22, 2019</b>			
D15	THE BEST OF PEDIATRIC ASTHMA EPIDEMIOLOGY	9:15 AM	11:15 AM
<b>RAPiD: Rapid Abstract Poster Discussion Sessions</b>			
<b>Sunday, May 19, 2019</b>			
A27	PEDIATRIC LUNG INFECTION AND CRITICAL CARE AROUND THE WORLD	9:15 AM	11:15 AM
<b>Monday, May 20, 2019</b>			
B26	CLINICAL STUDIES IN PEDIATRIC SLEEP, HOME VENTILATION AND NEUROMUSCULAR DISEASE	9:15 AM	11:15 AM

Session Code	Session Title	Session Time	
<b>Tuesday, May 21, 2019</b>			
C25	CLINICAL AND TRANSLATIONAL STUDIES IN RARE LUNG DISEASE	9:15 AM	11:15 AM
C104	THE MODERN PEDIATRIC PULMONARY FUNCTION LAB: NEW STANDARDS AND NEW TESTS	2:15 PM	4:15 PM
<b>Wednesday, May 22, 2019</b>			
D27	MECHANISTIC INSIGHTS INTO BRONCHOPULMONARY DYSPLASIA	9:15 AM	11:15 AM
D105	IMPROVING PEDIATRIC ASTHMA CONTROL AND OUTCOMES	1:30 PM	3:30 PM
<b>Thematic Poster Sessions</b>			
<b>Sunday, May 19, 2019</b>			
A53	CLINICAL STUDIES IN NEONATAL AND PEDIATRIC LUNG DISEASE AND CYSTIC FIBROSIS	9:15 AM	4:15 PM
<b>Monday, May 20, 2019</b>			
B53	SLEEP DISORDERED BREATHING AND LONG-TERM VENTILATION IN PEDIATRICS	9:15 AM	4:15 PM
<b>Tuesday, May 21, 2019</b>			
C46	CASE REPORTS: PEDIATRIC DIFFUSE LUNG DISEASE	9:15 AM	4:15 PM
C47	CASE REPORTS: PEDIATRIC CYSTIC FIBROSIS, LUNG INFECTION, AND SLEEP DISORDERED BREATHING	9:15 AM	4:15 PM
C48	CASE REPORTS: NEONATAL LUNG DISEASE, CONGENITAL MALFORMATIONS, AND MORE	9:15 AM	4:15 PM
<b>Wednesday, May 22, 2019</b>			
D53	PEDIATRIC ASTHMA CLINICAL STUDIES	9:15 AM	3:30 PM
<b>ATS 2019 INTERNATIONAL CONFERENCE ADDITIONAL SESSIONS OF INTEREST TO PEDS ASSEMBLY</b>			
Session Code	Session Title	Session Time	
<b>Postgraduate Courses</b>			
<b>Friday, May 17, 2019</b>			
PG2	ECMO FOR EXPERIENCED PROVIDERS	8:00 AM	4:00 PM
PG4	FUNDAMENTALS OF WRITING SUCCESSFUL MENTORED CLINICAL RESEARCH GRANTS (FUND ME)	8:00 AM	4:00 PM
<b>Saturday, May 18, 2019</b>			
PG13	BRONCH DAY 2019: A COMPREHENSIVE, HANDS-ON GUIDE TO BASIC BRONCHOSCOPY, EBUS, AND NAVIGATIONAL BRONCHOSCOPY	8:00 AM	4:00 PM
PG14	ASTHMA STATE OF THE ART 2019	8:00 AM	4:00 PM
PG17	A PHYSIOLOGIC APPROACH TO MANAGEMENT OF SHOCK	8:00 AM	4:00 PM
<b>Scientific Symposium</b>			

Session Code	Session Title	Session Time	
<b>Sunday, May 19, 2019</b>			
A5	CELL FATE DETERMINATION IN THE LUNG IN HEALTH AND DISEASE: LOCATION AND NEIGHBORS MATTER	9:15AM	11:15 AM
A7	BREAKING THE PARADIGM: EARLY ORIGINS OF COPD	9:15 AM	11:15 AM
A82	CYSTIC FIBROSIS: HETEROGENEITY IN A MONOGENIC DISEASE	2:15 PM	4:15 PM
A87	KNOWLEDGE GAPS AND PATHWAYS FORWARD IN RV FAILURE RESEARCH: RECOMMENDATIONS FROM AN OFFICIAL ATS RESEARCH STATEMENT ON RV FAILURE	2:15 PM	4:15 PM
<b>Monday, May 20, 2019</b>			
B4	KEEPING MY CRITICALLY ILL PATIENT COMFORTABLE, AWAKE, ENGAGED, AND MOVING	9:15AM	11:15 AM
B7	GLOBAL PERSPECTIVES ON CLIMATE CHANGE: IMPACT ON SUSCEPTIBLE POPULATIONS AND LOW-INCOME COUNTRIES	9:15AM	11:15 AM
B9	ADDICTING A NEW GENERATION: JUULING, VAPING, HEAT NOT BURN, FLAVORINGS, AND THE EVIDENCE FOR WHY WE SHOULD BE VERY CONCERNED	9:15AM	11:15 AM
B89	CHALLENGES IN CONDUCTING AND INTERPRETING ARDS AND SEPSIS RANDOMIZED CLINICAL TRIALS	2:15 PM	4:15 PM
<b>Tuesday, May 21, 2019</b>			
C92	ATS CLINICAL PRACTICE GUIDELINES: CLINICAL PRACTICE ON THE CUTTING EDGE	2:15 PM	4:15 PM
<b>Wednesday, May 22, 2019</b>			
D4	BIG DATA AND CLINICAL TRIALS: FRIENDS, FOES, OR FRENEMIES?	9:15AM	11:15 AM
D7	EXOSOMES: WEAPONS OF MASS DESTRUCTION	9:15 AM	11:15 AM
<b>Workshop Sessions</b>			
<b>Monday, May 20, 2019</b>			
WS4	PROMOTING WELLNESS IN HEALTH CARE TEAMS: A PRACTICAL APPROACH	11:45 AM	1:15 PM
<b>Wednesday, May 22, 2019</b>			
WS7	CRISPR: BREAKING BAD FOR THE GOOD OF ADVANCING SCIENCE	11:45 AM	1:15 PM

## EARLY CAREER PROFESSIONALS WORKING GROUP

Kristie Ross MD, MS, Chair

The Early Career Professionals Group has had a great year, starting with a lunch meeting at the 2018 International Conference where some experienced PEDS Assembly members shared advice on how to get more involved in the Assembly with some very engaged early career members of ATS. Thanks to all who joined us! We hope to see you and many new faces this year for lunch on Wednesday May 21st to reconnect with colleagues you know and to establish new connections. Eighteen mentees were matched with mentors in the PEDS Mentorship Program. We look forward to welcoming this year's apprentices to the Program and Planning Committees for a year of on the job training. We had a tremendous group of applicants for this year's program and had the very difficult task of selecting just two.

Thanks to all who applied and we sincerely hope to see you at the PEDS Assembly Meeting. Please congratulate this year's Apprentices and thank their mentors when you see them!

- ◆ Zarmina Ehsan – Program Committee, mentored by Chris Baker
- ◆ Pritish Mondal – Planning Committee, mentored by Carolyn Cannon

## INTERNATIONAL RELATIONS WORKING GROUP

Ozge Yilmaz, MD and Laura Gochicoa-Rangel, MD, Co-Chairs

The main aim of the International Relations Committee (IRC) is to build a platform where specialists working in the clinical and research field of pediatric pulmonology can meet to:

- Collaborate in multicenter projects
- Develop standards of care in pediatric pulmonology
- Express their needs in clinical care and research

The group has 55 members from many different countries including but not limited to Canada, France, Portugal, Italy, Turkey, Australia, Mexico, Sweden and UK.

The group came together for a half-day meeting during the ATS International Conference 2018 to discuss the barriers to research in pediatric pulmonology in different countries.

The first and most widely known project of the group has been the Virtual International Pediatric Pulmonary Network (VIPPN) that aims to be the platform of IRC to communicate through members and other international Pediatric Pulmonologists. VIPPN is activated with more content; monthly changing “editorial picks of interesting articles”, “introduction of the editorial members”. Moreover, the website is open to announcement of international meetings and projects. You can visit the website from <http://vipn.thoracic.org/index.php>.

Moreover, translation of the ATS patient documents into Spanish, Arabic, Turkish, Japanese, Serbian, Farsi and Czech is a continuing effort. International societies who wish to upload documents among these translations to their websites are welcome to contact the ATS team working on this.

We are looking forward to more suggestions for collaborative research and shared needs in the field. Please contact Dr. Ozge Yilmaz ([oyilmaz\\_76@hotmail.com](mailto:oyilmaz_76@hotmail.com)) or Dr. Laura Gochicoa ([drgochis@gmail.com](mailto:drgochis@gmail.com)) to join the group and propose projects.

## Assembly Mentoring Programs' Meeting Spot



Struggling to find a quiet location to meet with your mentor? The Assembly Mentoring Programs is offering a meeting spot exclusively for mentors and mentee to meet.

The Assembly Mentoring Programs' Meeting Spot will be located at the Regency Dallas in the Baker room on the Atrium Level.

### **The room will be available:**

Sunday May 19th – Tuesday May 21st, 2019 from 7 a.m. to 7 p.m.

Light snacks and beverages will be offered throughout the day. Laptops and printers will be available for use and don't forget to pick up your Assembly Mentoring Program Ribbon and Pin!

### **Join us at the Mentoring Reception:**

Monday, May 20th, 4:00pm  
Baker Room (Atrium Level)

Interested in joining a Mentoring Program? Visit our [Assemblies Mentoring homepage](#) or contact Nicole Feijoo at [NFeijoo@thoracic.org](mailto:NFeijoo@thoracic.org)

## Second Reception for PhDs & Other Basic Science Researchers

The ATS is pleased to invite members to attend the “**Second Reception for PhDs & Other Basic Science Researchers**” to be held at the ATS International Conference on **Sunday, May 19th from 3-5pm. The reception will be held in the Science and Innovation Center.** There will be food provided and activities during the event will include an opportunity to get to meet and network with other scientists, to engage with leaders from the ATS and assemblies and to provide feedback regarding activities or programs that ATS could offer to benefit the basic and translational science members, especially those who are not also clinicians. The event is free, but we ask you to register to help plan for food.

Trainees are especially welcome and encouraged to RSVP and attend!!

[Register here](#)

*In addition, be sure to check out the entire program in the Science and Innovation Center (SIC) which will be available on the ATS international meeting mobile app.*

## Center for Career Development (CCD)

Sunday, May 19 – Tuesday, May 21, 2019 7 a.m. – 5 p.m.

Wednesday, May 22 7 a.m. - 1 p.m.

Kay Bailey Hutchison Convention Center Dallas

Hall B (Level 2)

The Center for Career Development is a professional networking and career development forum for early career professionals (medical students, residents, fellows, post docs, other allied healthcare and research professionals) in training or transitioning from training in Pulmonary, Critical Care or Sleep Medicine. Each day, the CCD features informal workshops aimed at enhancing the professional development for all health care professionals. The sessions in the CCD are a unique and valuable opportunity for YOU to interact with experts in PCCM and have your questions answered about career development topics that are important to you!

See the schedule [here](#).

## Best of ATS Video Lecture Series (BAVLS)



Do you have an amazing teaching video you want to share with the world? Then consider submitting to the Best of ATS Video Lecture Series (BAVLS)!

For more information, please visit: <https://www.thoracic.org/professionals/clinical-resources/video-lecture-series/index.php>



# ATS 2019 SCIENCE & INNOVATION CENTER

The Science & Innovation Center, located at the **Kay Bailey Hutchison Convention Center Dallas, Hall B (Level 2)**, is a forum for scientists and researchers to meet, network, learn, and rest. The Science & Innovation Center is organized by representatives of the Assemblies on: Allergy, Immunology and Inflammation (AII), Pulmonary Infections and Tuberculosis (PI-TB), Respiratory Cell and Molecular Biology (RCMB), and Respiratory Structure and Function (RSF).

**HOURS:** + Sunday, May 19 - Tuesday, May 21 – 7a.m.- 5p.m. + Wednesday, May 22 – 7a.m.- 1p.m.

**DAILY:**

+ Complimentary breakfast served at 7a.m. + Light refreshments served + Informal networking & rest area all day

Sunday, May 19	Monday, May 20	Tuesday, May 21
7:15 - 8:00 a.m. <b>ATS 101: Cell Fate</b> Jason Rock, PhD, Boston University	7:15 - 8:00 a.m. <b>ATS 101: Neural Control of Inflammation</b> Brenda Marsh, MD, PhD, OHSU	7:15 - 8:00 a.m. <b>Early Career Professionals Coffee Corner</b>
8:15 - 9:15 a.m. <b>Navigating ATS</b> Julie Ledford, PhD, University of Arizona	8:15 - 9:15 a.m. <b>Setting up a Lab</b> Phil Verhoef, MD, PhD, University of Chicago	8:15 - 9:15 a.m. <b>Mentorship: A Key to Success</b> Laura Crotty-Alexander, MD, University of California at San Diego Anne Sperling, PhD, University of Chicago
9:15 - 10:00 a.m. <b>PRDS Orientation</b>	9:15 - 10:00 a.m. <b>Hiring Lab Management</b> Chad Steele, PhD, Tulane University	9:15 - 10:00 a.m. <b>Building Your Track Record for Career Success</b> Greg Downey, MD, National Jewish Health
10:15 - 11:00 a.m. <b>ATS 101: RNA Seq</b> Jay Kolls, MD, Tulane University Naftali Kaminski, MD, Yale University	10:15 - 11:00 a.m. <b>ATS 101: Imaging</b> Yan Bai, MD, Harvard University Steven Rowe, MD, University of Alabama	10:15 - 11:00 a.m. <b>ATS Foundation Grants</b> Erin Marie Nebel, ATS
11:00 - 11:45 a.m. <b>Lunch &amp; Learn: RNA Seq Data</b>	11:00 - 11:45 a.m. <b>Lunch &amp; Learn: Imaging</b>	11:00 - 11:45 a.m. <b>NIH Grants/Working with Industry</b> Taylor Cohen, PhD, MedImmune Lora Reineck, MD, NIH Ghenima Dirami, PhD, NIH
12:00 - 3:00 p.m. <b>Rising Star and SIC Abstract Awards</b>	12:00 - 12:45 p.m. <b>From Innovative Ideas to Clinical Trials</b> Hector Ortega, MD, Gossamer Bio David Lagares, PhD, Harvard Tim Watkins, MD, Gilead	12:00 - 12:45 p.m. <b>Lunch &amp; Learn: Grants and Funding</b>
3:00 - 5:00 p.m. <b>PhD and Basic Science Reception</b>	1:00 - 3:00 p.m. <b>BEAR CAGE COMPETITION</b> 	1:00 - 1:45 p.m. <b>Bridging the Gap (MD Perspective)</b> Josh Englert, MD, Ohio State University John Christman, MD, Ohio State University
	3:30 - 4:30 p.m. <b>Minority Trainee Development Scholarship Reception</b>	1:45 - 2:45 p.m. <b>Bridging the Gap (PhD Perspective)</b> Beth Moore, PhD, University of Michigan Megan Ballinger, PhD, Ohio State University
		3:00 - 4:30 p.m. <b>Relax and Recharge</b>

## INTEREST GROUP ON ATS/SIMRI COLLABORATION

Enrico Lombardi, MD

This Interest Group is one of the products of the PEDS International Relations Committee that has created national delegates to strengthen the relationships with the local Societies of Pediatric Pulmonology around the world. It is intended to increase the collaboration between the ATS Pediatrics Assembly and SIMRI (Società Italiana Malattie Respiratorie Infantili, Italian Society of Pediatric Respiratory Diseases) by sharing information and experience on ongoing projects, with the aim of reviewing successful strategies, barrier identification to implementation, and unique aspects, and the goal of establishing joint projects between the two Societies.

The main goal of both ATS and SIMRI is to promote research, education, patient care, and advocacy. The “ATS/SIMRI Collaboration” Group aims to pursue these objectives by implementing and completing joint projects between the two Societies. The first meeting of the Group was held during the 2018 ATS International Conference in San Diego and was extended to the representatives of many National Societies of Pediatric Pulmonology. Members of the PEDS International Relations Subcommittee from 10 nations spanning six continents (including about 40 SIMRI delegates) met to discuss barriers and opportunities for research in child lung health. While there were a few country-specific differences, several common themes emerged. This collaboration between the ATS and SIMRI also involves participation in joint Webinars and Journal Clubs, the translation and dissemination of the ATS Patients’ Fact Sheets, and, in a near future, joint Quick Cases and review articles and possibly joint research projects and opportunities. The “Pediatric Lung” International Session during the SIMRI National Conference every year is also a regular event involving prominent members of the ATS PEDS Assembly.



## INTEREST GROUP ON NEONATAL AND DEVELOPING LUNG

Lawrence M. Nogee, MD , Chair and Trent Tipple, MD

**Here are the details for our Neonatal and Developing Lung Interest Group (NDLIG) Meeting:**

**Meeting:** Tuesday May 21, 5 – 7 PM

**Location:** Hyatt Regency, Dallas

**Room:** Pegasus A, Lobby Level

5:00 – 5:45 PM: Gather, mingle, wine and cheeses

5:45 – 6:00 PM: Announcements, presentation of (4) awards to trainees/early career investigators, thanks to sponsors

6:00 PM – 6:45PM: Talk by Steve Abman, “Pulmonary Vascular Phenotypes of Prematurity”

6:45 – 7 PM: Questions and wrap-up

Abstracts have been screened from ~ 600 to roughly 60, from which the Steering Committee will select the awardees. Timeline to decide this is May 1, 2019.

*(Continued on Page 13)*

# INTEREST GROUP ON NEONATAL AND DEVELOPING LUNG (Continued)

Please join us for the 5<sup>th</sup> Annual Meeting of the *Neonatal and Developing Lung Interest Group*, sponsored by the ATS Pediatric and the Respiratory Cell and Molecular Biology Assemblies.

<http://www.thoracic.org/members/assemblies/interest-groups/neonatal-and-developing-lung.php>



The ATS Neonatal and Developing Lung Interest Group (NDLIG)

**2019 INVITED SPEAKER:** Steve Abman, MD.

University of Colorado

**Vascular Phenotypes of Prematurity**

Reception and Talk  
Tuesday May 21st - 5 to 7pm  
Location: Pegasus A

Lobby Level, Hyatt Regency Dallas



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## WEB COMMITTEE

Benjamin Kopp, MD

The Web Committee would like to thank the PEDS assembly for their continued support and efforts in helping our web-based content and communication strategy thrive! Your participation in journal clubs, podcasts, quick hits cases and other programming has helped create a wonderful collection of educational tools for our assembly. Here are some highlights from the past year:

**Web Resources:** All of our exciting content is archived on the assembly webpage (<http://www.thoracic.org/members/assemblies/assemblies/peds/>). Please click on any of the hyperlinks for more details. We have nearly 30 [Journal Clubs](#) and 10 [Podcasts](#) that can be listened to at any time for individual or large group learning. Podcasts are great for those long commutes! We have also added our first 7 [Quick Hits](#) cases, all created by pulmonary fellows or early career attendings. These are brief, image-based cases with key clinical questions. Cases can be submitted via email to [quickhits@thoracic.org](mailto:quickhits@thoracic.org) using this [template](#). We recently released our first series of Early Career Professional (ECP) [Highlights](#) in conjunction with the ECP Working Group. These are a great way to learn about emerging physician scientists in the PEDS assembly. Finally, we are now archiving the [ATS Pediatric Pulmonary and Sleep Case Series](#). This is a monthly webinar which focuses on presenting relevant pediatric pulmonary and sleep cases, reviewing the current literature on each topic, and creating a forum for group discussion of current management practices across the participating centers.

(Continued on Page 14)

## WEB COMMITTEE (Continued)

**Social Media:** You can follow us at the Twitter handle @ATSPeds for research highlights, advocacy updates, and general assembly news. Twitter is quick and easy, and a perfect way to interact and share relevant PEDS information in our time-starved lives.

**VIPPN:** In addition to the assembly webpage, our fantastic partners in the International Relations Committee led by Ozge Yilmaz and Laura Gochicoa-Rangel have revamped the VIPPN (Virtual International Pediatric Pulmonary Network). We encourage you to log on to <http://vippn.thoracic.org/> and examine the new content. Together, both websites are aimed at increasing knowledge and communication amongst the assembly in an accessible and timely fashion.

Thanks again to our committee for all of their hard work!

If you are interested in participating in the Web Committee as a fellow or faculty, please contact our incoming Web Director, Jane Taylor ([jbtaylor@cmh.edu](mailto:jbtaylor@cmh.edu)) prior to 7/1/19, email address will change after 7/1).



[Follow @ATS\\_Assemblies!](#)

## **PEDIATRIC PULMONOLOGY DIVISION DIRECTORS ASSOCIATION**

Tom Lahari, MD, Chair

The Pediatric Pulmonology Division Directors Association (PPDDA) Executive Committee will be meeting with representatives from PEPTDA to further discuss strategies to address pediatric pulmonary workforce issues and potential modifications to fellowship training. There will be a business meeting held on Sunday, May 19th. Positions on the nominating and executive committees of the PPDDA have been filled. Over the coming months, there will be a call for interested directors to run for the office of President-Elect. Currently, the executive committee is comprised of Thomas Lahiri (President), Christopher Oermann (President-Elect), Stephanie Davis (Past-President), Paul Moore and Terry Noah.

The members of the Nominating Committee are Jamie Wooldridge, Jim Chmiel and Sande Okelo.

## **INTEREST GROUP ON PULMONARY COMPLICATIONS OF CHILDHOOD CANCER**

Samuel B. Goldfarb, MD

The Late Effects of Childhood Cancer ATS special interest group was established two years ago. This group is open to assembly members who have an interest in both clinical and basic science aspects of radiation and chemotherapy related lung injury, and lung injury related to hemopoietic stem cell transplants (HSCT). Our focus this past year has been to develop guidelines for management of pulmonary complications secondary to HSCT. Our proposed clinical statement will provide insight from the pulmonologists perspective and define background, evaluation, management and follow up for the HSCT patients. A second complimentary project will be to survey the transplant community in the upcoming months to better understand needs for our upcoming clinical management guidelines. Our group has also explored the development of a data base to look at early and late pulmonary effects of treatment of cancer. We have monthly phone conferences and will be meeting at ATS this year.

Any questions or people interested in joining our group please feel free to contact Special Interest Group Chair, Samuel Goldfarb [Goldfarb@email.chop.edu](mailto:Goldfarb@email.chop.edu).

This group will meet at ATS on Monday, May 20th, from 11:45 a. m -1:15 p.m. in the Hyatt Regency, Dallas hotel in Cumberland C (Exhibition Level).

## **PEDS & CP TRANSITIONAL CARE WORKING GROUP**

Gregory Sawicki, MPH, MD, PEDS Representative

We are finalizing a survey on current transition practices and barriers for clinicians and will be discussing the survey at our meeting at ATS with the goal of sending the survey out to membership over the next few months.

# PEDIATRICS ADVOCACY SUB-COMMITTEE

Christy Sadreameli, MD, MHS , Chair

The Pediatrics Advocacy Sub-Committee was formed in late 2018 with 15 founding members and Chair Christy Sadreameli (Johns Hopkins, Baltimore). The goals of the committee include providing training and awareness for Pediatrics Assembly members for advocacy issues related to pediatric respiratory health. The committee hopes to connect members with advocacy opportunities and provide resources and education on relevant topics. Currently, the committee is focusing on issues in the United States, with a particular eye toward state and local issues, as members may be able to make greater impacts at these levels, though national advocacy issues will also be highlighted. Current areas of focus for the committee include: Tobacco 21 (raising the tobacco purchasing age to 21), stock inhaler laws (state laws allowing schools to stock a generic albuterol inhaler for emergency purposes), e-cigarette issues (including regulation and FDA oversight), and care/coverage for technology-dependent children under newly proposed CMS regulations.

Contact: Christy Sadreameli, M.D.: [ssadreal@jhmi.edu](mailto:ssadreal@jhmi.edu).



Lung Biology in Health and Disease

# Inhalation Aerosols

Physical and Biological Basis for Therapy  
Third Edition



edited by  
Anthony J. Hickey  
Heidi M. Mansour



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A Critical Perspective on Future developments based on the knowledge we have now  
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**ATS Assembly Members Give Generously to the ATS Foundation**

Thank you for participating in the [2018 ATS Assembly Challenge!](#)

The annual challenge taps into the grassroots community — and competitive spirit — of the ATS assemblies in support of the ATS Foundation.



**Linda L. Chlan, PhD, RN**, chair for the Assembly on Nursing, receives Nursing's 2018 ATS Assembly Challenge award from Dean Schraufnagel, MD, ATS Foundation Chair

The results are: the Assembly on **Allergy Immunology & Inflammation** raised the most dollars with \$74,232; **Nursing** had the highest member participation with 18.26 percent; **Respiratory Cell & Molecular Biology** had the highest number of first-time givers in December with 25 new donors.

Many members made gifts supporting the [Research Program](#) and other core programs in the final days of 2018. There was tremendous energy around the Challenge this year, with assembly chairs crafting special messages to their members. Most chairs sent two or more personal emails to their members during the Challenge.

Congratulations to the Allergy Immunology & Inflammation, Nursing, and Respiratory Cell & Molecular Biology assemblies! They will receive special recognition in ATS communications, at ATS 2019, and within their own assemblies.

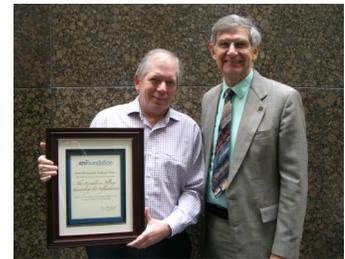
The ATS Foundation would like to thank all ATS assemblies for their outreach and generosity during the Challenge. You provided a big boost to Foundation year-end giving campaigns—and a boost to our upcoming grant-making capacity for talented investigators. Thank you for your enthusiastic support!

Truly, your energy, creativity, and participation were outstanding. Thank you for everything you do for the ATS, the Foundation, young investigators, patients, and respiratory health worldwide.

To learn more about the ATS Foundation or to make a gift, visit [foundation.thoracic.org](http://foundation.thoracic.org)



**Melanie Koenigshoff, MD, PhD**, Chair for the Assembly on Respiratory Cell & Molecular Biology, receives RCMB's 2018 ATS Assembly Challenge award from Dean Schraufnagel, MD, ATS Foundation Chair



**Jay K. Kolls, MD**, chair for the Assembly on Allergy Immunology & Inflammation, receives All's 2018 ATS Assembly Challenge award from Dean Schraufnagel, MD, ATS Foundation Chair

**Donate \$ 100 to the ATS Foundation Research Program and receive a pair of ATS branded lungs as a token of thanks! Donors will be recognized with a picture and a mention on the ATS Instagram account.**



**Donations are being accepted at the ATS Center, booth #2726 in the Exhibit Hall (Hall D)**

**Center Hours are: Sunday, May 19 to Tuesday, May 21st from 10:30 a.m — 3:30 p.m**



### **Spread the word: Apply for a Research Grant**

Last year, ATS awarded 30 grants totaling \$1.6 million  
2019 cycle is now open, offering 15 unrestricted grants, 1 grant specifically for nurses,  
and more!



**Deadline to submit an LOI is Monday, June 17, 2019**

**Visit: [thoracic.org/go/researchgrants](http://thoracic.org/go/researchgrants)**



Want to know how the ATS Assemblies and Committees really work?

Would you like to get more involved?

This is your chance! You can now register here to become more involved in the ATS Assemblies, ATS Committees or both. There are many ways to grow within ATS and the Assemblies and Committees are a great starting point.

[www.thoracic.org/go/get-involved](http://www.thoracic.org/go/get-involved)



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### *Assembly on Pediatrics Membership Meeting*

*Sunday, May 19th  
5:30pm - 7:30pm*

*Hyatt Regency, Dallas*

*Reunion GH*

*Lobby Level*

### *Assembly on Pediatrics Dinner Reception*

*Sunday, May 19th  
7:30pm - 10:30pm*

*Hyatt Regency, Dallas*

*Reunion EF*

*Lobby Level*



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# Third Annual ATS Walking Challenge

## Step up to the Third Annual ATS Walking Challenge.

Every step helps raise money for the ATS Foundation. The top 3 overall steppers win a prize and 3 randomly selected participants reaching the 30,000 step goal win a prize. Watch it all unfold on leaderboards in the Mylan, Inc. booth #4333 or at the ATS Walking Challenge booth.

The first 2,000 registrants receive a free ATS wireless activity tracker to use with the App (distributed on a 'first-come, first-served' basis). The App also supports attendees that prefer to use their own FitBit, Jawbone or iPhone/Android smart phone step counters.

The three individuals who log the most steps win an Ipad Air.

Three randomly selected individuals reaching the 30,000 step goal win Bose QuietControl 30 Wireless headphones!

Learn more and pre-register online at: [hekahealth.com/ats2019](http://hekahealth.com/ats2019) or stop by the Walking Challenge Booth in Lobby D, level 2 at the Kay Bailey Hutchison Convention Center,

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## Visit the Mylan, Inc. booth #4333 each day for a step booster.

The more you visit, the more you receive:

**Day 1 - 500 steps; Day 2 -750 steps; and Day 3 - 1,000 steps.**

**Walk for a good cause!** For every participant who walks 30,000 steps, Mylan, Inc. will make a donation of \$100 to the ATS Foundation, for a total maximum donation of \$50,000. Learn more at [Foundation.Thoracic.org](http://Foundation.Thoracic.org).

May 17 - May 22, 2019 | [conference.thoracic.org](http://conference.thoracic.org)