

ATS DAILY BULLETIN



Where today's science meets tomorrow's care

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Preview Edition

Finding Innovative Technology



“The Exhibit Hall features well-organized innovation and tech advances.”
– past attendee

You'll find the best cutting-edge technology and scientific advancements in patient care all in one location: the ATS 2019 Exhibit Hall.

The Exhibit Hall is the place where new products launch. It's where you can view demonstrations of the latest, most innovative products and services for pulmonary, critical care, and sleep medicine. And it's where you may even try them out for yourself.

“I highly encourage all attendees to visit the Exhibit Hall! It's full of exciting innovations,

new products, demonstrations, and hands-on learning. There are even some virtual reality and multimedia experiences,” said ATS President Polly Parsons, MD, ATSE. “If you haven't been in the Exhibit Hall lately, you'll find that it's really evolved. Try out a Guru Bar and be part of a dynamic discussion on current issues and challenges. Our PhD attendees will discover companies that support basic and cell research, and more than 15 patient groups are there to talk about the research needs of their respective diseases. There's something for everyone in the ATS Exhibit Hall!”

Here are just a few of the companies displaying and demonstrating their new products.

ERT Booth 3636

ERT is providing in-booth demonstrations for its recently launched respiratory device, SpiroSphere®, the industry's first and only

spirometer designed specifically for use in global clinical trials. SpiroSphere® enables pharmaceutical companies to improve clinical trial efficiencies and confidently evaluate the respiratory efficacy and safety of novel medical treatments during clinical development.

KONICA MINOLTA HEALTHCARE Booth 4636

Konica Minolta Healthcare's Dynamic Digital Radiography (DDR) has received clearance from the U.S. Food and Drug Administration (FDA). DDR represents the next evolution in X-ray imaging with the ability to capture movement in a single exam. DDR produces medical images that depict movement and can be fully annotated, including diagrams. Clinicians can observe the dynamic interaction of anatomical structures, such as tissue and bone, with physiological changes over time.

NEUWAVE/JOHNSON & JOHNSON Booth 612

NeuWave is offering hands-on demonstrations and videos describing its new product: the NEUWAVE™ Flex Microwave Ablation System for endobronchial microwave ablation. The NEUWAVE™ Flex is the first cleared device in the U.S. that enables access to soft-tissue lesions via a flexible probe for precise, controlled ablations. It is a minimally invasive option for soft tissue lesions in the liver, kidney, and lung.

TEVA PHARMACEUTICALS Booth 1412

Teva Pharmaceuticals will showcase its ProAir® Digihaler™ (albuterol sulfate 117 mcg) inhalation powder. Recently approved by the U.S. Food and Drug Administration, the ProAir® Digihaler™ inhalation powder is the first and only digital inhaler with built-in sensors that connects to a companion mobile application and provides inhaler use information to people with asthma and COPD. ●

“The Exhibit Hall offers a wonderful mix of information from the exhibitors and formal, quality presentations from academicians.”

– past attendee

Save Big Register by May 16



There is still time to capture some savings on your ATS 2019 International Conference fees. If you register by May 16, you'll save \$125* compared to the cost of a full member registration on site.

This year's conference takes place May 17-22 in Dallas and is a can't-miss event for respiratory medicine practitioners, scientists, clinical researchers, and related health care professionals.

Planning ahead for the conference not only saves you money, it provides the best opportunity for reserving your spot at an official ATS hotel and pre-registering for all the educational events you want to attend.

Online registration is recommended, but registration forms are available at conference.thoracic.org. Registration by phone or fax requires a credit card.

*\$125 savings reflects the difference between Full Member Advance Registration and Full Member Onsite Registration before any additional purchases and/or fees.

Amp Up Your Experience

While the Exhibit Hall's innovation and education is enough to keep you engaged for hours, don't forget to balance it out with some downtime or even some fun and games. Explore the many activities that make the Exhibit Hall a favorite stop during ATS 2019 Dallas.

RESTORING JOY IN HEALTH CARE Booth 4733

Burnout remains prevalent among health care providers. To address the professional and personal effects of burnout, Restoring Joy in Health Care returns to the Exhibit Hall. Stop by the booth to view the National Academy see [EXPERIENCE](#) page 3



4 Ways to Register

1. Visit conference.thoracic.org.
2. Call Convention Data Services at 866-635-3582 from 9 a.m. to 5 p.m. Eastern time Monday through Friday. Callers outside the U.S. and Canada need to call 508-743-8518.
3. Mail a registration form to:
ATS 2019
c/o Convention Data Services
107 Waterhouse Road
Bourne, MA 02532
4. Fax form to 508-743-9673. ●

Rethinking the “O” in COPD



This program will explore how the physiological finding of “airflow obstruction” became central to the definition, classification, and treatment of COPD, even though this occurs late in the disease process. Rethinking how we approach disease modification in the future will require that we rethink what comprises early disease, before obstruction is present, and focus on important phenotypes, endotypes, and treatable traits that will guide interventions.

Bart Celli, MD *Moderator*

Professor of Medicine, Harvard Medical School

MeiLan K Han, MD

Professor, Division of Pulmonary and Critical Care, University of Michigan

Brad Drummond, MD, MHS

Associate Professor of Medicine, University of North Carolina School of Medicine
Director, Obstructive Lung Diseases Clinical and Translational Research Center

Dave Mannino, MD, FCCP

US Medical Expert, GSK



Sunday, May 19
11:30am-12:15pm



Theater 2

Biomarkers in Severe Asthma: What They Tell Us and What They Don't

This symposium will provide an in-depth discussion around the data on IgE levels, exhaled nitric oxide, and circulating eosinophil counts in severe asthma. The role of these measurements as biomarkers for predicting exacerbations, evaluating disease control, and determining response to biologic therapies will be reviewed.

Eugene Bleecker, MD

Professor of Medicine, The University of Arizona Health Sciences
Co-Chief, Division of Genetics, Genomics, and Precision Medicine, UA Department of Medicine
Co-Director, Division of Pharmacogenomics, UA Center for Applied Genetics and Genomic Medicine

Geoffrey Chupp, MD

Professor of Medicine
Director, Yale Center for Asthma and Airways Disease
Director, Pulmonary Function Laboratory, Yale New Haven Hospital



Tuesday, May 21
1:15pm-2:00pm



Theater 2

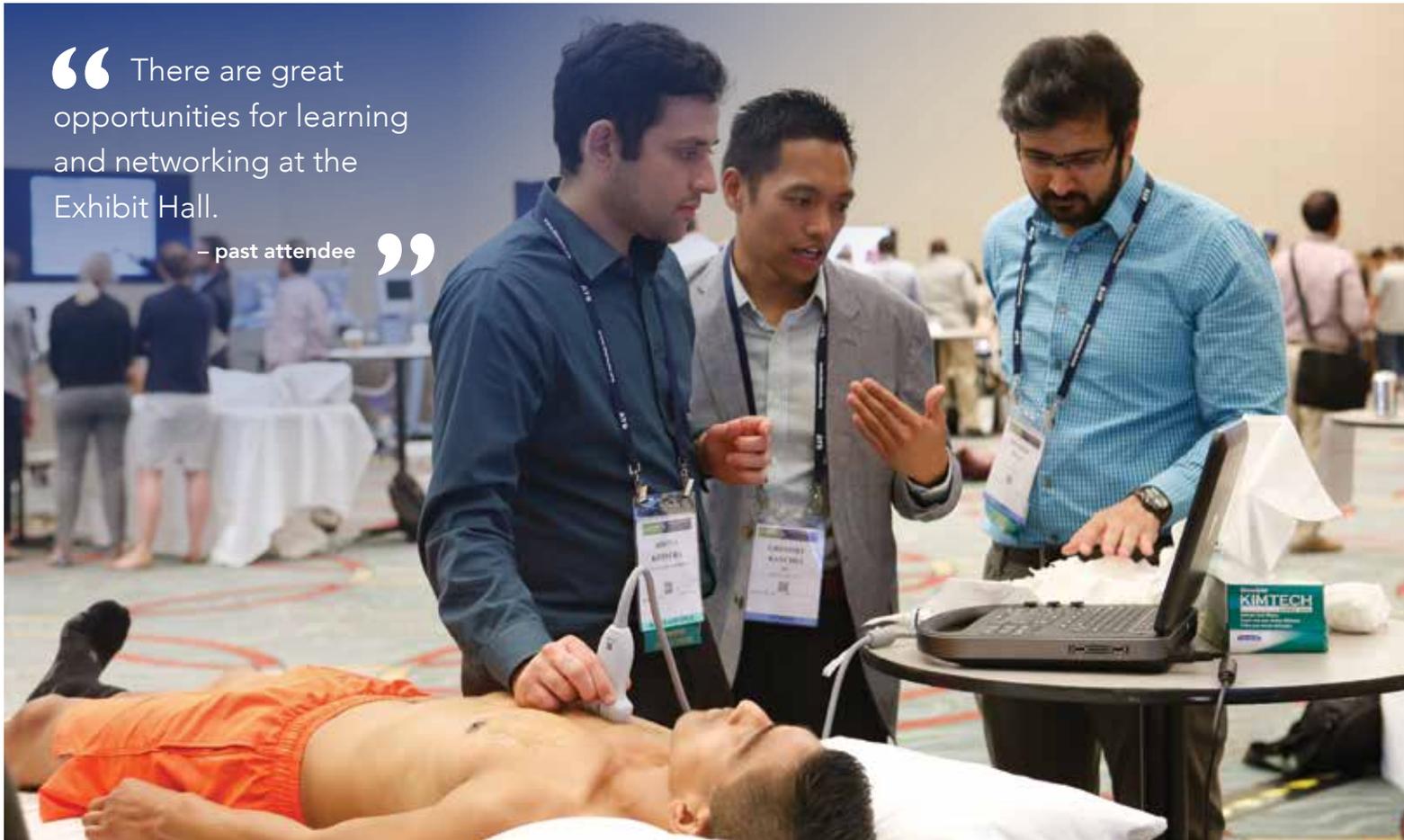
An Industry Theater Presentation at the ATS 2019 International Conference

This presentation is sponsored by GSK, and is open to all ATS 2019 International Conference attendees.

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“ There are great opportunities for learning and networking at the Exhibit Hall. ”
 – past attendee



Hands-On and Interactive Learning

Extend your learning process with ATS 2019's interactive, hands-on demonstrations, virtual reality experiences, and a variety of Industry Theaters, Practical Workshops, and Guru Bar presentations in the Exhibit Hall. "The Exhibit Hall will offer many opportunities to expand your learning at ATS 2019," said Jess Mandel, MD, ATSF, chair of the ATS International Conference Committee. "You can 'test drive' a new product through a hands-on demonstration, listen to an expert present the latest data on a new pharmacologic therapy, or engage in a small-group discussion of a clinical challenge at a Guru Bar. Wherever you go, you'll find exciting innovations and friendly people, whose insights will add to your ATS 2019 experience."

ENGAGE IN INTERACTION

Hands-on demonstrations at exhibitor booths give you the opportunity to learn on the spot. Experience innovative products up close and speak with experts to explore innovation and technological advancements.

Alliance Tech Medical, Inc. Booth 3524

Studies show that 79 percent of COPD patients misuse their inhalers. Enter In Check™ DIAL, a new generation for inhaler training and assessment. Try it out to see how you can help patients achieve optimal delivery from MDIs and DPIs.

Owlstone Medical Ltd. Booth 3520

See firsthand how Breath Biopsy works with an in-booth live demonstration. Breath Biopsy offers a non-invasive approach for discovering biomarkers in a research setting for respiratory diseases such as asthma and COPD by analyzing the volatile organic compounds in breath.

Vathin Medical Co. Ltd. Booth 4436

Vathin Medical Co. Ltd. will use a medical mannequin to help explain the function of its disposable bronchoscopy. Through this interactive demonstration, you'll even be able to try it out for yourself.

EXPLORE VIRTUAL REALITY

You'll be a believer from the moment you strap the goggles over your eyes.

Astrazeneca Booth 4308

See for yourself how science is advancing with take-home virtual reality goggles that bring to life eosinophilic asthma and the mechanism of disease.

Sunovion Pharmaceuticals Inc. Booth 3901

Do your patients need something in between inhalers and jet nebulizers? Learn more by immersing yourself in an educational virtual reality experience.

CHECK THE SCORE

New methodology is just as critical as new products, and you'll find it at ATS 2019.

Cincinnati Children's Hospital Booth 1406

Scientists at Cincinnati Children's Hospital have created a decision tool called Pediatric Asthma Risk Score (PARS) to predict asthma in children. Testing has shown PARS to be more accurate than the Asthma Predictive Index (API), the gold standard, in predicting asthma in children with mild to moderate asthma risk, the group of asthma patients most likely to respond favorably to prevention strategies.

PLAN FOR PRACTICAL WORKSHOPS Booth 1917

Take part in 90-minute learning opportunities to gain hands-on education and skill-building. The workshops are hosted by medical device companies and manufacturers from 12:30-2 p.m., Sunday through Tuesday.

GO TO THE GURU BARS Booths 1700, 1703, 1900, 1903

These short, lightning-learning sessions provide you the opportunity to collaborate with leaders on an array of subjects. Each session features a 10-minute outline of a problem statement, mitigating factors, and the host's perspective/solution. The sessions end with a challenge or question posed to participants, who discuss it for the remaining 10 minutes. Each Guru Bar can accommodate 25 seated participants with standing room around the perimeter. Look for a dynamic and interactive discussion. Guru Bars are organized by categories of interest: Guru Bars 1 and 2: Education/Awareness/Prevention or Diagnosis; Guru Bars 3 and 4: Treatment or Adherence/Compliance

LEARN WHILE ENJOYING LUNCH AT INDUSTRY THEATERS Booths 101, 116, 3148, and 4749

Gain a deeper understanding of disease areas and explore the latest products from pulmonary, critical care, and sleep medicine while having a light lunch. Complimentary boxed lunches are provided by the ATS while supplies last. ●

EXPERIENCE

Continued from page 1

of Medicine Expressions of Well-Being art installation. You can also crowdsource ways to improve the professional environment or enjoy time with a therapy dog. Therapy dogs are in the booth Monday, May 20, and Tuesday, May 21.



DISCOVERY QUEST

Want a chance to win an Apple Watch? Play Discovery Quest on the ATS 2019 mobile app, and you may be one of the four winners selected each day. Increase your chances of winning by visiting participating exhibitors, scanning QR codes, and answering questions.



TOAST TO INNOVATION

Time: 1:15-2:15 p.m.
Day: Tuesday, May 21
Location: Exhibit Hall C-E

Here's your opportunity to connect with colleagues at a networking event designed to recognize the latest in scientific advancements. Take a moment to salute the progress our specialty has achieved.



COFFEE & CONNECTIONS

Time: Snacks and coffee served at 11:15 a.m.
Days: Sunday-Tuesday
Location: Booths 705, 3121, 4136, and 4710.

Grab a chair, a coffee, and a healthy snack while catching up with a colleague. This comfortable space provides the opportunity to regroup and relax between sessions. ●

Online Exhibit Hall Makes Planning Easy

Plan ahead to make the most of your time in the Exhibit Hall. Use the Online Exhibitor Directory at ats19.mapyourshow.com to find exhibitors you'd like to see and to expertly navigate the Exhibit Hall.

The Online Exhibit Directory is a convenient, interactive tool that offers you information about the more than 200 exhibitors showcasing their products and services at ATS 2019.

You can search for exhibitors by alphabetical order. Or you can search by disease and product categories whether your particular interest is in pulmonary, critical care, or sleep medicine or whether you are a pediatric specialist or early career professional, the information you need is literally at your fingertips. ●

Who Will Win the 2019 BEAR Cage Competition?

Which of these early career investigators will walk away with \$10,000? Eyes on the prize, the three finalists will compete in a *Shark Tank*-style presentation to determine the winner during the ATS BEAR Cage Competition on Monday, May 20, at 1 p.m., in the Science & Innovation Center, Hall B, at Kay Bailey Hutchison Convention Center Dallas.

This is the fifth annual Building Education to Advance Research (BEAR) Cage Competition. While the top winner will claim the grand prize, the two runners-up will not walk away empty-handed. They each will win \$2,500 for making it to the finals. All finalists also receive yearlong mentorship on their projects from members of the ATS Drug Device Discovery and Development Committee (DDDD).

Past competitors have presented their BEAR Cage research at the National Institutes of Health, published the research in journals, entered into a sponsored research agreement with a corporation, started a clinical trial based on the research, and received major NIH

grants, including an RO1 award.

The BEAR Cage was developed to promote productive discussion of novel translational research ideas in the setting of a fun, yet competitive, forum promoting opportunities for collaboration, mentorship, and growth. It is hosted by the DDDD, which chooses the top three finalists each year to present their research at the International Conference. ●



The 2019 finalists and their research projects are:



Adrienne Campbell-Washburn, PhD

National Heart, Lung, and Blood Institute
Functional Lung MRI



Scott M. Gordon, PhD

University of Kentucky
Targeting Pulmonary Protease Activity With an HDL-Binding Protease Inhibitor Peptide



Jasleen Pannu, MD

Ohio State University
Steerable Electromagnetic Navigation Guided Endobronchial Radial Ultrasound With Biopsy Needle



The ATS Would Like to Acknowledge our 2019 Corporate Members

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Keynote Speakers Bring Big Science

Artificial intelligence, data sharing, inclusiveness in medicine, and decision-making are a few of the themes you can expect from ATS 2019 keynote speakers. This diverse group of speakers will present cutting-edge research and their own perspectives on a variety of topics highly relevant to the pulmonary, critical care, and sleep medicine community.

Keynotes are presented at 8 a.m. each day of the conference.



Discover Your ATS at the ATS Center

The Exhibit Hall is full of new and exciting things to discover, including the ATS Center. Don't skip this valuable resource. Here are just a few of the things you will discover there:

Discover your community.

- Renew your membership or join today.
- Visit the ATS Store to purchase memorabilia.
- Learn about how Assemblies can help build your career, including mentorship.

Discover where today's science meets tomorrow's care.

- Learn about grant opportunities for early career investigators.
- Rediscover our three leading peer-reviewed journals.
- Plan ahead—see you in Philadelphia!

Discover your excellence.

- Download clinical guidelines and patient fact sheets.
- See how ATS can help advance your career.
- Play the ATS Trivia Challenge and win a prize!

Discover your voice.

- See how ATS is advocating for the profession and for patient care—and learn how you can help.
- Meet your peers and find a mentor.
- Learn about local education and networking opportunities.
- Join the conversation via ATS social media at #ATS2019. ●

SUNDAY



Jerome E. Groopman, MD
Pamela I. Hartzband, MD
When Experts Disagree: The Art of Decision-Making (K1)



Anne Sales, PhD, RN, MSN
Implementation Science: How Can It Support Health Research? (K2)

MONDAY



Jeffrey M. Drazen, MD
Data Sharing in the Context of Clinical Trials (K3)



Denis E. O'Donnell, MD
Unraveling the Mystery of Breathlessness in COPD (K4)

TUESDAY



Robert M. Califf, MD
Developing the Evidence for Value-Based Care in Pulmonary Medicine (K5)



David S. Wilkes, MD
Enhancing Diversity and Inclusion in Academic Medicine (K6)

WEDNESDAY



Michael D. Howell, MD, MPH
What Should Pulmonologists Know About Artificial Intelligence and Machine Learning? (K7)

Exhibit Hall Hours

Sunday, May 19
10:30 a.m.–3:30 p.m.
Unopposed Hours: 1:15–2:15 p.m.

Monday, May 20
10:30 a.m.–3:30 p.m.
Unopposed Hours: 1:15–2:15 p.m.

Tuesday, May 21
10:30 a.m.–3:30 p.m.
Unopposed Hours: 1:15–2:15 p.m.

Put Your Best Face Forward

How you present yourself, even virtually—maybe especially virtually—says so much about you. Your headshot is your introduction and your first impression. Put your professional image in the hands of, well, professionals.

The ATS is offering free professional headshots in the Exhibit Hall during the International Conference. No appointment necessary. Just stop by the booth, smile, and ATS will email the pictures to you right from the booth. So easy.

Don't think you'll use a professional picture?

Consider these five simple uses for an upgraded photo that could completely boost your image.

On social media.

Fuzzy photos—or no photo at all—is the wrong message to send on social media platforms, especially professional sites such as LinkedIn.

With your company bio.

This is one of the first places a search will land someone who is looking for you. Why not make a great first impression?

In your email signature.

This is a fresh way to engage with people via email.

On your résumé.

Liven things up on your résumé with a professional picture. This will make you a real standout.

For author and speaker profiles.

It's so useful to have a professional picture on hand and will prevent that last-minute scramble to get and provide one. ●



PAR Offers Resources, Networking

ATS 2019 attendees will be able to talk to patients and patient advocates at 14 Public Advisory Roundtable (PAR) booths.

“PAR can plug clinicians, especially those caring for a patient with a rare lung condition, into a bigger network and support system,” said Jeremy Richards, MD, ATSF, chair of the ATS Members in Training and Transition Committee.

For the second year, participants in the Student Scholars Program will meet in small groups with the PAR representatives in the Exhibit Hall on Sunday.

“The students learn not only how these groups enhance patient empowerment, but also how these groups promote early career development and research,” said Donna Appell, RN, executive director and founder of the Hermansky-Pudlak Syndrome Network, a PAR member.

PAR IN THE EXHIBIT HALL

At ATS 2019, you will be able to learn more about these patient interest groups:

- Allergy & Asthma Network
- ARDS Foundation
- Children's Interstitial Lung Disease Foundation, Inc.
- Foundation for Sarcoidosis Research
- Hermansky-Pudlak Syndrome
- The LAM Foundation
- Lung Transplant Foundation
- LUNGevity Foundation
- NTM Info and Research
- Pulmonary Fibrosis Foundation
- Primary Ciliary Dyskinesia Foundation (PCD)
- Scleroderma Foundation
- Tuberos Sclerosis Alliance •



Take Part in the Global Network

There are many formal and informal ways to expand your network at the ATS 2019 International Conference. Consider adding these events to your itinerary.

ASSEMBLY AND SECTION MEETINGS

ATS 2019 attendees are invited to attend any of the 14 ATS Assembly Annual Membership Meetings on May 19 and 20. Section Meetings will be held on May 19 and 21. Please check your conference program for details. These meetings will be held in Hyatt Regency Dallas, where assembly leaders will provide updates on the assembly's activities, and members will give input, get involved, and network during the meetings. Voting results for future assemblies are also announced during this time.

ATS FOUNDATION DONOR APPRECIATION SUITE

As a way to thank donors, the ATS Foundation will again feature its ATS Foundation Donor Appreciation Suite located in Hall B (Level 2) of Kay Bailey Hutchison Convention Center Dallas. Conference attendees who contribute \$250 or more between June 2018 and May 2019 are invited to the suite to enjoy complimentary breakfast, refreshments, free Wi-Fi, concierge services, and private meeting rooms. (Be sure to reserve these ahead of time.)

ATS WOMEN'S AND DIVERSITY FORUMS

Take the opportunity to support women and diversity during two

separate luncheon forums. The Diversity Forum takes place on Sunday and the Women's Forum will be on Monday. Both forums, which take place in the Hyatt Regency, Landmark D Ballroom, are free and include a plated lunch. Pre-registration is required, but there are usually seats available at the door on a first-come, first-served basis.

CLINICIANS CENTER

All clinicians are invited to meet, network, relax, refresh, and learn in the Clinicians Center and Learning Lab, located in Hall B (Level 2) of Kay Bailey Hutchison Convention Center Dallas. The Center is open Sunday through Wednesday. Every morning, coffee and a light breakfast will be available from 7 to 9 a.m. Educational programs kick off on Sunday. On Monday, May 20, don't miss the ATS Outstanding Clinician Award Reception.

EARLY CAREER PROFESSIONALS

If you are a graduate or medical student, medical resident, clinical or postdoctoral fellow, or junior faculty member, these networking opportunities are for you.

THE NETWORKING EXCHANGE

An annual event that follows the Opening Ceremony, 5:30-6:30 p.m. Saturday, May 18, at the Omni Dallas Downtown. Meet and mingle with peers and prominent thought leaders. Cocktails and appetizers will be provided.

THE CENTER FOR CAREER DEVELOPMENT

Located in Hall B (Level 2) of Kay Bailey Hutchison Convention Center

Dallas, will offer a complimentary breakfast each day at 7 a.m. and a Professional Networking Hour from 4 to 5 p.m. with free cocktails and appetizers. Each day during the conference, the CCD features informal workshops aimed at enhancing the professional development of early career professionals. You can learn more about CCD scheduled activities at conference.thoracic.org/program/early-career-professionals/ccd.php.

INTERNATIONAL PARTICIPANTS CENTER

All international attendees are invited to stop by the International Participants Center, open Sunday through Wednesday in Hall B (Level 2) of Kay Bailey Hutchison Convention Center Dallas. Use the Center to connect with colleagues, network, or just relax while enjoying complimentary snacks, coffee, and soda.

Don't miss the reception to recognize international attendees and honor this year's International Trainee/MECOR award recipients on Tuesday, May 21, at the Center.

SCIENCE AND INNOVATION CENTER

Scientists and researchers looking to network, learn, and relax should plan some time in the Science and Innovation Center, open Sunday through Wednesday in Hall B of Kay Bailey Hutchison Convention Center Dallas. A complimentary breakfast will be served in the SIC at 7 a.m. during the conference. Light refreshments will be served each day at noon.

If you need to catch up on basics before attending a symposium,

you can attend an SIC 101 series presentation. Look for a complete list of these online in the Resource Center at conference.thoracic.org/attendees/resource-centers.

ATS FOUNDATION RESEARCH PROGRAM BENEFIT

The ATS Foundation Research Program Benefit supports and celebrates the Research Program in launching the careers of young investigators dedicated to scientific discovery and better patient care. This year, the Foundation will honor Sharon Rounds, MD, with the Breathing for Life Award at 7 p.m. Saturday, May 18, at Union Station in Dallas. Tickets are available online. Choose individual tickets or a reserved group package.

The ATS Foundation would like to thank the following supporters of the annual ATS Foundation Research Program Benefit:

Sapphire Level — \$100,000

Genentech
GlaxoSmithKline

Crystal Level — \$50,000

Mylan Inc./Theravance
Biopharma

Gold Level — \$25,000

Sanofi Genzyme-Regeneron
Mallinckrodt Pharmaceuticals

Silver Level — \$10,000

AstraZeneca
Boehringer Ingelheim
FREEMAN
Gilead
Insmed
Vertex

Bronze Level — \$5,000

Ascend Integrated Media

List current as of March 26, 2019. •



Gilead is committed
to expanding healthcare
options for individuals living with
cardiovascular and pulmonary diseases.

Visit us at Booth #4344



What's the latest with NUCALA?



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Visit NUCALAHCP.com for additional information, including full Prescribing Information.

Nucala 
(mepolizumab)
for Subcutaneous Injection
100 mg/vial

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