

# **2018 NC Thoracic Society Annual Meeting**

**Saturday – December 8, 2018**

**UNC Friday Center – 100 Friday Center Drive**

**Chapel Hill, NC**



**North Carolina  
Thoracic Society**

A chapter of the  
American Thoracic Society

## **CREDIT DESIGNATION**

**This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the American Thoracic Society and North Carolina Thoracic Society. The American Thoracic Society is accredited by the ACCME to provide continuing medical education for physicians.**

**The American Thoracic Society designates this live activity for a maximum of 5.75 *AMA PRA Category 1 Credit(s)*<sup>TM</sup>. Physicians should only claim credit commensurate with the extent of their participation in the activity.**



## PROGRAM OVERVIEW

This continuing medication education conference is the annual educational meeting of the NC Thoracic Society. It is hosted by the University of North Carolina at Chapel Hill by M. Brad Drummond, MD, MHS. The structure of this meeting was developed based on feedback and evaluations from the 2017 NC TS Annual Meeting and primarily focuses on practice-related issues. The program involves a didactic general session in the morning and a series of concurrent workshops in the afternoon. The program starts with the keynote speaker – Richard Schwartzstein, MD – that will be discussing diagnostic uncertainty – he is nationally renowned in this area. Subsequently, we have a combination of lectures and workshops concerning airway diseases, diagnostic procedures and interventions. Therapeutic topics that will be covered in the general session include new biologics for asthma and COPD, obstructive sleep apnea, and chronic bronchitis - presented by local experts. There is also a session where pulmonary fellows from each of the four pulmonary fellowship training programs in North Carolina will present clinical cases or research projects. The workshops include procedures, high-flow oxygen, telemedicine as well as clinical cases in COPD and interstitial lung diseases.

Non-CME activities include: 1) For pulmonary fellows - a career workshop and exhibit booths by potential employers, and 2) All attendees - exhibits by pharmaceutical companies.

## OBJECTIVES

**The overall goals of this program are to enhance learner's knowledge and their ability to incorporate evidence-based medicine and best practices into their work settings and communities. At the conclusion of this activity, the participant should be able to:**

- (1) Discuss the distinction between a diagnosis and a hypothesis considering biases in reasoning and uncertainties
- (2) Describe the pharmacology and clinical studies of biologics in the treatment of obstructive lung diseases
- (3) Review the epidemiology, diagnosis and management of obstructive sleep disorders
- (4) Understand the pathogenesis and treatment of chronic bronchitis
- (5) Describe the use of a lung blockade technique for management strategy of intractable pulmonary abscess
- (6) Describe the mechanism and impact of antimicrobial peptide cathelicidin on outcomes in COPD
- (7) Discuss role of optimizing body weight before lung transplantation on patient outcomes
- (8) Recognize the role of atypical infections in young adults presenting with severe dyspnea
- (9) Discuss techniques and sampling for EBUS-guided transbronchial needle aspiration and navigational bronchoscopy for tissues sampling
- (10) Understand the role and challenges of telemedicine in pulmonary and critical care practice
- (11) To discuss the indication, contraindication, technique and long term management of indwelling pleural catheters
- (12) Discuss the use of ultrasound for the diagnosis and management of respiratory diseases
- (13) Understand patient and device related factors influencing inhalational drug therapies
- (14) Discuss patient cases concerning the diagnosis and management of COPD
- (15) Discuss patient cases regarding the diagnosis and management of interstitial lung diseases

## TARGET AUDIENCE

Healthcare providers include physicians (pulmonologists, thoracic surgeons, primary care, ect), mid-level practitioners (NP, PA), nurses, pharmacists, respiratory therapists, and public health practitioners.

## REGISTRATION FOR DECEMBER 8 RESCHEDULED MEETING

Online registration for persons not previously registered for Sept 29 program.:

<https://www.eventbrite.com/e/north-carolina-thoracic-society-annual-meeting-rescheduled-tickets-51382042071>

OR

By joining or renewing membership to NCTS <https://www.thoracic.org/members/chapters/thoracic-society-chapters/north-carolina/> (registration automatically pays for attendance to meeting)

Additional information can be found at [www.ncthoracic.org](http://www.ncthoracic.org) . Onsite reservation will be available.

### FEES

\$50 for all healthcare providers

Free for learners and retirees (email [arharver@uncc.edu](mailto:arharver@uncc.edu) to register)

Includes administrative costs, continental breakfast, refreshments, and lunch.

### CANCELLATION POLICY

All cancellation requests must be submitted in writing or via email to [arharver@uncc.edu](mailto:arharver@uncc.edu)

### EVENT CONTACTS

For registration or program questions, please contact Andrew Harver, PhD at [arharver@uncc.edu](mailto:arharver@uncc.edu)

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### DISCLOSURE

Disclosures will be provided at the meeting.

### COMMERCIAL SUPPORT ACKNOWLEDGEMENT

This CME activity is supported by the American Thoracic Society and exhibits through multiple pharmaceutical and scientific instrument companies. A complete list of supporters will be published in the course syllabus and announced at the Symposium.

## AGENDA (December 8, 2018)

**7:15 – 8:00 REGISTRATION/EXHIBITS**

**8:00 – 12:15 GENERAL SESSION (Grunman Auditorium)**

8:00 Welcome – Roy Pleasants, PharmD – 2017-18 President and Jason Thomason, MD – Vice-President NC Thoracic Society

8:15 Biologics in obstructive lung diseases – Wendy Moore, MD

8:45 Obstructive sleep apnea/sleep medicine – Jaspal Singh, MD

9:15 Chronic bronchitis as a muco-obstructive disease: Pathogenesis and therapy – Ric Boucher, MD

9:45 Panel Discussion

10:00 Break/Exhibits (Atrium)

10:30 Fellow case or clinical research presentations (10 min, 5 min Q&A)

- Emily Clausen, MD – Duke University  
“Improving lung transplant outcomes: pre-transplant weight loss”
- Chad Kloefkorn, MD- Wake Forest University  
“Endobronchial Blockade for Lung Isolation in the Setting of Unilateral Necrotizing Pneumonia as a Bridge to Pneumonectomy”
- Bobby Burkes, MD – University of North Carolina at Chapel Hill  
“The Antimicrobial Peptide Cathelicidin and COPD Outcomes”
- ECU Fellow TBA

11:30 Tolerating Uncertainty: Changing the mind-set of doctors and patients – Rich Schwartzstein, MD (Keynote Speaker)

**12:15 – 1:00 LUNCH/EXHIBITS (Trillium)**

**1:00 – 3:15 WORKSHOPS**

1:00 Workshop 1

- EBUS/navigational bronchoscopy (Bowling and Skibo) -- Mountain Laurel
- Ultrasound inside and outside the ICU (Burks and Mahmood) -- Windflower AB
- **Tentative:** Telemedicine for pulmonary, critical care and sleep medicine (Thakkar) – Bellflower AB
- High flow nasal cannula treatment/ CPAP/BiPAP/Trilogy/AVAPS (Singh and Thomason) – Dogwood A
- Clinical Cases in ILD (Patel) – Azalea AB

1:45 Workshop 2

- EBUS/navigational bronchoscopy – (Bowling and Skibo) – Mountain Laurel
- Ultrasound inside and outside the ICU – (Burks and Mahmood) – Windflower AB
- High flow nasal cannula treatment/ CPAP/BiPAP/Trilogy/AVAPS – (Singh and Thomason) – Bellflower AB
- Clinical cases in COPD (Sciolla) – Azalea AB
- Inhalational therapies (Ohar and Pleasants) – Dogwood A

2:30 Workshop 3

- **Tentative:** Indwelling pleural catheter: Indication, techniques and management (Pathak) – Mountain Laurel
- Inhalational therapies (Ohar and Pleasants) – Dogwood A
- Pulmonary fellows’ workshop – career pathways, job negotiation, and contracts (Alex Sy, MD Rakesh Alva, MD, Kevin Oneil, MD) (NON-CME) – Windflower AB

## FACULTY - CME

**TBD** Fellow - Division of Pulmonary, Critical Care & Sleep, East Carolina University, Greenville, NC

**Ric Boucher, MD** – Division of Pulmonary & Critical Care Medicine, UNC at Chapel Hill, Chapel Hill, NC

**Mark Bowling, MD** – Division of Pulmonary, Critical Care & Sleep, East Carolina University, Greenville, NC

**Robert Burkes, MD** – Fellow - Division of Pulmonary & Critical Care Medicine, UNC at Chapel Hill, Chapel Hill, NC

**Allen Cole Burks, MD** - Division of Pulmonary & Critical Care Medicine, UNC at Chapel Hill, Chapel Hill, NC

**Emily Clausen, MD** – Fellow - Division of Pulmonary, Allergy, & Critical Care Medicine, Duke University, Durham, NC

**Chad Kloefkorn, MD** – Fellow - Section of Pulmonary, Critical Care, Allergy, & Immunologic Diseases, Wake Forest University, Winston Salem, NC

**Kamran Mahmood, MD** - Division of Pulmonary, Allergy, & Critical Care Medicine, Duke University, Durham, NC

**Wendy Moore, MD** - Section of Pulmonary, Critical Care, Allergy, & Immunologic Diseases, Wake Forest University, Winston Salem, NC

**Jill Ohar, MD** - Section of Pulmonary, Critical Care, Allergy, & Immunologic Diseases, Wake Forest University, Winston Salem, NC

**Kanu Patel, MD** Division of Pulmonary & Critical Care Medicine, UNC at Chapel Hill, Chapel Hill, NC

**Vikas Pathak, MD** – Wake Med Pulmonary and Critical Care, Raleigh, NC

**Roy Pleasants, PharmD** – Duke University and Durham VA Medical Center, Durham, NC

**Rich Schwartzstein, MD** - Harvard University, Boston, MA

**Tim Scialla, MD** - Division of Pulmonary, Allergy, & Critical Care Medicine, Duke University, Durham, NC

**Jaspal Singh, MD, MHS** – Atrium Health, Charlotte, NC

**Scott Skibo, MD** – Pulmonary Specialists of WNC , Clyde, NC

**Nehal Thakkar, MD** – Atrium Health, Charlotte, NC

**Jason Thomason, MD** – Novant Health System, Winston Salem, NC

**FACULTY NON-CME – Fellows Workshop**

**Kevin O’neil, MD** - Wilmington Health, Wilmington, NC

**Alexander Sy, MD** - Section of Pulmonary, Critical Care, Allergy, & Immunologic Diseases, Wake Forest University, Winston Salem, NC

**Rakesh Alva, MD** – Cone Health, Greensboro, NC

**DIRECTIONS and PARKING (UNC Friday Center, 100 Friday Center Dr, UNC Chapel Hill campus)**

<https://fridaycenter.unc.edu/map-and-directions/>

**NORTH CAROLINA THORACIC SOCIETY OFFICERS 2017 – 2018**

**Roy A. Pleasants, PharmD – President**

**Jason Thomason, MD – Vice-President**

**Alexander Sy, MD – Secretary Treasurer**

**Christina Bellinger, MD – Council Chapter Representative (2017-19) (Wake Forest University)**

**2018 ANNUAL MEETING COORDINATORS**

**Andrew Harver, PhD – UNC Charlotte**

**Roy A. Pleasants, PharmD**

**2018 ANNUAL MEETING HOST**

**M. Brad Drummond, MD, MHS – UNC Chapel Hill**