



# **RESIDENT BOOT CAMP**

**ATS·2015**  
Denver Colorado



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PULMONARY • CRITICAL CARE • SLEEP

# The Program

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## **PROGRAM OVERVIEW:**

The 2015 Resident Boot Camp was a two-day course that addressed basic knowledge and skills needed for first-year fellows in adult or pediatric pulmonary and/or critical care medicine programs. The course focused on topics and procedures that internal medicine residents may have had little or some exposure to, but which are essential to success as a first-year fellow. The 2015 Boot Camp was attended by 140 in-coming fellows who had matched into a pulmonary or critical care fellowship program beginning July 2015 and featured over 85 faculty teachers!

The 2015 Boot Camp was supported by in-kind grants from Bryan Corporation, CareFusion Corporation, FUJIFILM SonoSite, Inc., Hamilton Medical, Inc., Micro Direct, Inc., Olympus Corporation of the Americas, ResMed, Richard Wolf Medical Instruments Corp., Teleflex Incorporated, University of Colorado Denver Department of Anesthesiology, and Verathon.

## **2015 Resident Boot Camp Planning Group**



**Laura Crotty-Alexander, MD**  
Course Chair



**Jennifer McCallister, MD**  
Course Co-Chair



**Patricia A. Kritek, MD, EdM**  
Course Co-Chair



**Samir Makani, MD**  
Course Co-Chair  
Hands-on Learning



**Brendan Clark, MD**  
Course Co-Chair



**Edith Zemanick, MD**  
Course Co-Chair  
Pediatric Track

# The Details

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## OBJECTIVES:

The ATS Resident Boot Camp was a two-day course for in-coming first-year adult and pediatric fellows, which includes large group lectures, small breakout sessions and skill-based workshops.

Participation in the ATS Resident Boot Camp allowed new fellows to:

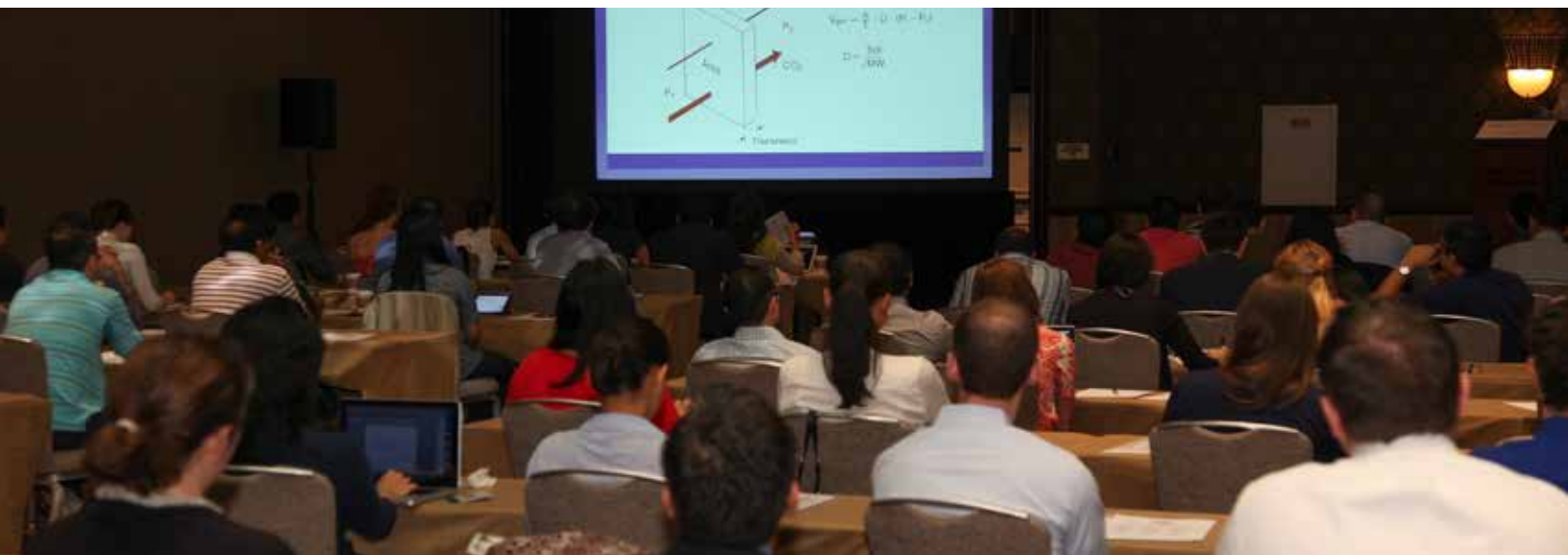
- Acquire knowledge of basic techniques and principles of mechanical ventilation, airway management, and bronchoscopy (indications, techniques, and limitations);
- Attain skills in vascular, thoracic, and pleural ultrasound image acquisition for ultrasound guided procedures and diagnosis (pneumothorax, thoracentesis, line placement, right ventricular dilation/dysfunction, volume status);
- Improve knowledge base in cardiopulmonary physiology; and
- Develop strategies to successfully manage common clinical emergencies encountered as a fellow.

## OUTCOMES:

- 100% of participants ranked the content of the course as “excellent or good”.
- 100% of participants ranked adherence to course objectives as “excellent or good”.

## QUICK FACTS

- 140 attendees attended Boot Camp
- 140 attendees received a travel stipend from the ATS to attend the Boot Camp
- Over 85 faculty teachers participated to maximize individualized attention and small-group learning





# Faculty

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The Boot Camp featured some of the best and brightest educators, and even included members of the ATS Executive Committee – demonstrating the Society’s commitment to developing the next generation of leaders in pulmonary, critical care and sleep medicine.

## 2015 TEACHER FACULTY LIST:

**Rosemary Adamson, MD**

*University of Washington*

**Tyler Albert, MD**

*University of Washington*

**Christopher Baker, MD**

*University of Colorado*

**Ron Balkissoon, MD**

*University of Colorado*

**Bill Beninati, MD**

*University of Utah School of Medicine*

**Alex Benson, MD**

*University of Colorado*

**Jamie Bessich, MD**

*University of Pennsylvania*

**Jason Brainard, MD**

*University of Colorado*

**Vaughn Browne, MD**

*University of Colorado*

**Ellen Burnham, MD**

*University of Colorado*

**Graham Carlos, MD**

*Indiana University*

**Todd Carpenter, MD**

*University of Colorado*

**Lydia Chang, MD**

*University of North Carolina*

**Brendan Clark, MD**

*University of Colorado*

**Geoff Connors, MD**

*Yale University*

**Laura Crotty-Alexander, MD**

*University of California, San Diego*

**Dan Crouch, MD**

*University of California, San Diego*

**Angela Czaja, MD**

*Children’s Hospital Colorado*

**Carolyn D’Ambrosio, MD**

*Brigham and Women’s Hospital*

**Emily DeBoer, MD**

*Children’s Hospital Colorado*

**David Feller Kopman, MD**

*Johns Hopkins University*

**Dan Fox, MD**

*University of Colorado*

**Antonio Gomez, MD**

*University of California, San Francisco*

**Ryan Good, MD**

*Children’s Hospital Colorado*

**Nabeel Hamzeh, MD**

*University of Colorado*

**Stephen Hawkins, MD**

*Children’s Hospital Colorado*

**Jordana Hoppe, MD**

*Children’s Hospital Colorado*

**Grace Houser, MD**

*Children’s Hospital Colorado*

**Tristan Huie, MD**

*National Jewish Health*

**Jennifer Ingram, PhD**

*Duke University*

**Brian Jackson, MD**

*Children’s Hospital Colorado*

**Shazia Jamil, MD**

*University of California San Diego and Scripps Clinic*

**Mark Kearns, MD**

*University of Colorado*

**Rebecca Keith, MD**

*University of Colorado*

**Ross Kessler, MD**

*University of Colorado*

**Monica Kraft, MD**

*University of Arizona*

**Patricia Kritek, MD, EdM**

*University of Washington*

**Oren Kupfer, MD**

*Children’s Hospital Colorado*

**Nicholas Kwaan, MD**

*University of California, San Francisco*

**Andrew Lerner, MD**

*University of California, San Diego*

**Ni-Chang Liang, MD**

*University of California, San Diego*

**Deb Liptzin, MD**

*Children’s Hospital Colorado*

**Ken Lyn-Kew, MD**

*University of Colorado*

**Dennis Lyu, MD**

*University of Colorado*

**Madison Macht, MD**

*University of Colorado*

**Sheldon Magder, MD**

*McGill University*

# Faculty

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**Samir Makani, MD**

*University of California, San Diego*

**Atul Malhotra, MD**

*University of California, San Diego*

**Adam Manko, MD**

*The Ohio State University*

**Brenda Marsh, MD**

*The Ohio State University*

**Stacey Martiniano, MD**

*Children's Hospital Colorado*

**Susan Mathai, MD**

*University of Colorado*

**Jennifer McCallister, MD**

*The Ohio State University*

**Atul Mehta, MD**

*Cleveland Clinic*

**York Miller, MD**

*University of Colorado*

**Paul Mohabir, MD**

*Stanford University*

**Omar Mohamedaly, MD**

*University of California, San Diego*

**Marc Moss, MD**

*University of Colorado*

**Ali Musani, MD**

*University of Colorado*

**Erin Powell, MD**

*Vanderbilt University*

**Steve Pugliese, MD**

*University of Colorado*

**Leslie Ridall, MD**

*Children's Hospital Colorado*

**Jeff Robinson, MD**

*University of Colorado*

**Scott Sagel, MD**

*Children's Hospital Colorado*

**Ben Scott, MD**

*University of Colorado*

**Nitin Seam, MD**

*George Washington University*

**Rebecca Sell, MD**

*University of California, San Diego*

**Akaya Smith, MD**

*University of Pennsylvania*

**Josh Solomon, MD**

*National Jewish Hospital*

**Peter Sottile, MD**

*University of Colorado*

**Jeffrey Stowell, MD**

*University of Colorado*

**Brendan Sullivan, MD**

*University of Colorado*

**Arthur Sung, MD**

*Stanford University*

**Krittika Teerapuncharoen, MD**

*University of Alabama at Birmingham*

**Molly Thiessen, MD**

*University of Colorado*

**James Town, MD**

*University of Washington*

**Joshua Vasquez, MD**

*University of California, San Francisco*

**Aida Estrada, MD**

*University of Alabama at Birmingham*

**Christine Vohwinkel, MD, PhD**

*Children's Hospital Colorado*

**Anuja Vyas, MD**

*University of California, San Diego*

**Angela Wang, MD**

*Scripps Clinic and University of California, San Diego*

**Greg Weiss, MD**

*University of Colorado*

**John West, MD**

*University of California, San Diego*

**Scott Wolf, MD**

*University of Colorado*

**Zulma Yunt, MD**

*National Jewish Hospital*

**Carly Zebuhr, MD**

*Children's Hospital Colorado*

**Edith Zemanick, MD**

*Children's Hospital Colorado*

# Agenda

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## Large Group Lectures

Welcome to the Resident Boot Camp  
Physiology-Pulmonary  
Physiology-Critical Care  
Waveforms and Critical Care  
Top Five ICU Emergencies  
Inpatient Emergencies: How to Lead Codes and Rapid Responses  
Top Five Pulmonary Consult Questions

## Small Break-Out Sessions

How and When to Submit Abstracts Papers and Chapters  
End-of-Life Discussions  
How to Lead a Team  
How to Choose a Mentor  
How to Avoid Burnout in Fellowship (Maintaining Work/Life Balance)  
How to Teach in Small Groups

## Hands-On Workshops

Mechanical Ventilation  
Bronchoscopy 101  
Bronchoscopy for Hotshots  
Spirometry: How to Read PFTs  
Lung and Pleural Ultrasound  
Cardiac Ultrasound and Volume Assessment  
Airway Managements 101  
Difficult Airway Management



“ATS Resident Boot Camp provided me with amazing experience to prepare me for fellowship. Being able to get hands-on experience during various workshops on ultrasound-guided procedures, airway management, reading PFT and performing bronchoscopy and EBUS prior to my fellowship was invaluable. I’m very thankful to the sponsors and teaching faculty for the opportunity.”

**–2015 Boot Camper: James Chang, MD**

Residency: Michigan State University

Fellowship: Case Western Reserve University





“I was very glad I had the chance to participate in the Boot Camp at the ATS meeting for residents who will start pulmonary and critical care fellowships. This gave me a very good introduction into pulmonary and critical care medicine. In particular, I enjoyed the workshops on bronchoscopy and using endobronchial ultrasound during bronchoscopic procedures. I also liked the didactic sessions on the most common problems in pulmonary medicine and critical care medicine. I think this program has helped me start my fellowship with more confidence.”

**–2015 Boot Camper: Hawa Edriss, MD**

Residency: Texas Tech University Health Science Center  
Fellowship: Texas Tech University Health Science Center





“The Resident Boot Camp helped me in two major ways - allay my anxieties on the knowledge and skill-set prior to fellowship, convincing me that I can do this; and teaching me things where my abilities were not well developed, thereby making me well-rounded! Would recommend this very highly to all final-year residents seeking to enter Pulm/CC/Sleep fellowships.”

**–2015 Boot Camper: Saraschandra Vallabhajosyula, MBBS**

Residency: Creighton University School of Medicine

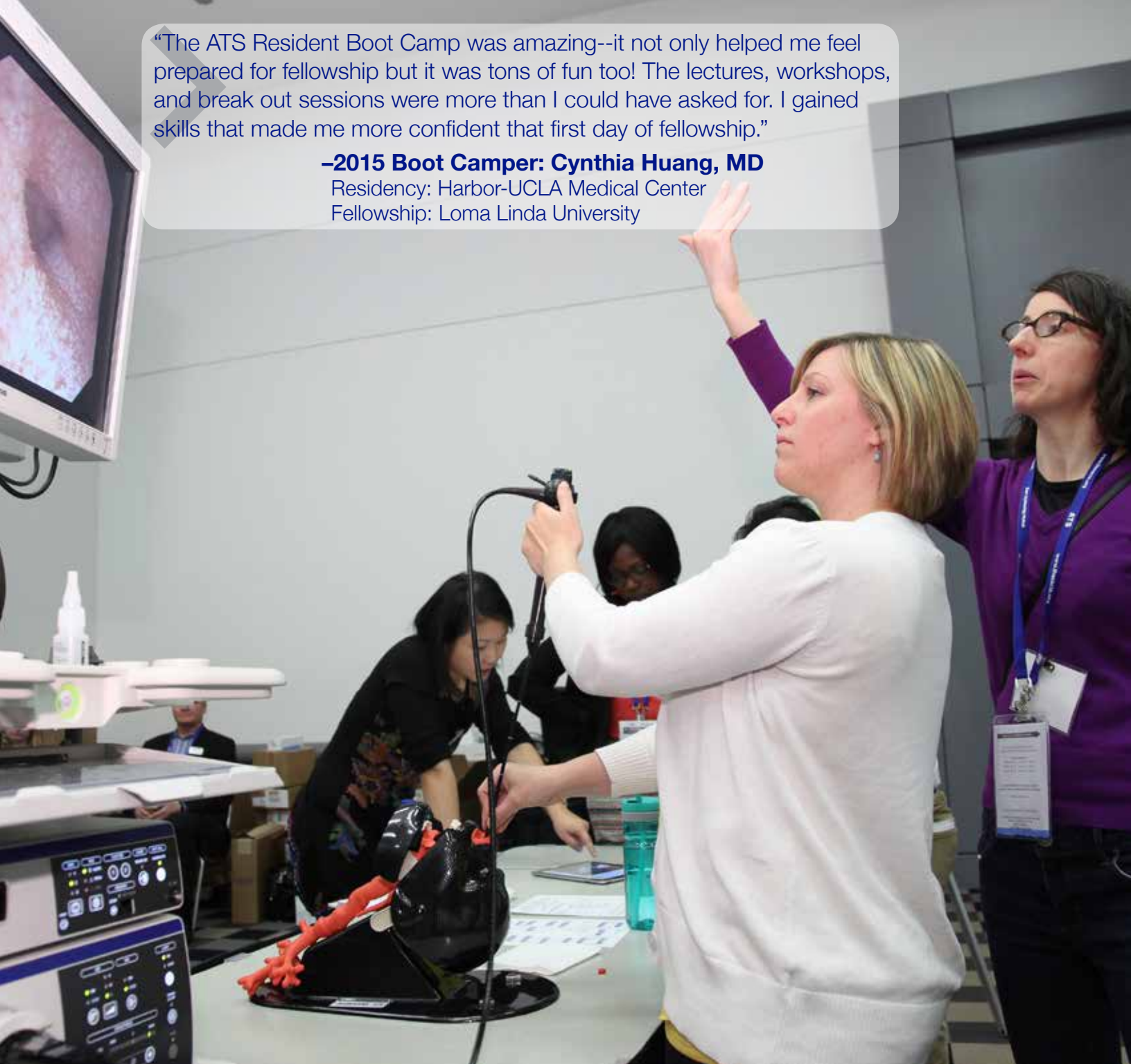
Fellowship: Mayo Clinic College of Medicine

“The ATS Resident Boot Camp was amazing--it not only helped me feel prepared for fellowship but it was tons of fun too! The lectures, workshops, and break out sessions were more than I could have asked for. I gained skills that made me more confident that first day of fellowship.”

**–2015 Boot Camper: Cynthia Huang, MD**

Residency: Harbor-UCLA Medical Center

Fellowship: Loma Linda University



“Thank you for the opportunity to be part of the Boot Camp. I really feel that it gave me a great foundation to start my training as a fellow. My co-fellow and I actually came back from the boot camp and told our program director that every first-year fellow should attend the boot camp prior to starting fellowship.”

**–2015 Boot Camper: Felix Hernandez, MD**

Residency: Cleveland Clinic Florida

Fellowship: Cleveland Clinic Florida

# ATS Boot Camp Class of 2015!

Rania Abdul Rahman, MD  
Mohannad Abu Omar, MD  
Mark Adelman, MD  
Shahryar Ahmad, MD  
Haitham Al Ashry, MBBS  
Lana Alghothani, MD  
Jehan Alladina, MD  
Samer AlSamman, MD  
William Auyeung, MD  
Natalya Azadeh, MD, MPH  
Ridhwan Baba, MBBS  
Stella Baez Corujo, MD  
Saqib Baig, MD  
Emerald Banas, MD  
Ahsan Bashir, MD  
Matthew Bernens, MD  
Samuel Bergard, MD  
Anita Bhagavath, MD  
Britton Blough, MD  
Ryan Boente, MD  
Christine Bojanowski, MD  
Ana Bonetti, MD  
Nicole Bournival, MD  
Stephanie Bourque, MD  
Dedrick Bowe, MD  
Nicholas Braus, MD  
Samuel Bullick, DO  
Amy Cacace, MD  
Steven Campbell, MD  
Erin Carlton, MD  
Woo Chang, DO  
Parag Chaudhari, MD  
Omair Chaudhary, MD  
Divya Chhabra, MBBS, MMS  
David Christiansen, MD  
Keira Cohen, MD  
Daryl Connolly, MD  
Anna Conterato, MD  
Christopher Dado, MD  
Joshua Denson, MD  
Huawei (Katie) Dong, MD  
Kathleen Doo, MD  
Karen Dugan, MD  
Hawa Edriss, MD  
Rania Esteitie, MD  
Grant Farr, DO  
Folashade Farri, MD, MPH

Michael Fingerhood, MD, MPH  
Yuka Furuya, MD  
Gautam George, MD  
Mala Goyal, MD  
Bridget Graney, MD  
Mandeep Grewal, MD  
Lucie Griffin, DO  
Rafael Jose Grozman, MD  
John Harrington, MD  
Adam Hayek, DO  
Christopher Henry, MD  
Felix Hernandez, MD  
Aria Hong, MD  
Tim Hotze, MD  
Molly Howsare, DO  
Nancy Hsu, MD  
Cynthia Huang, MD  
Yunhee Im, MD  
John Joerns, MD  
Arun Jose, MD  
Aarya Kafi, MD  
Hala Karnib, MD  
Adnan Khan, MD  
Malik Khan, MD  
Sikandar Khan, DO  
Dina Khateeb, DO  
Omar Khorfan, MD  
Sasikumar Kilaikode, MD  
Lawrence Kim, MD, MBA  
Nicholas Kolaitis, MD  
Shravan Kooragayalu, MD  
Nidhi Kotwal, MD  
Adam Kouns, MD  
Harman Kular, MD  
Vaishnavi Kundel, MD  
Tiffany Latta, DO  
Elinor Lee, MD  
Jennifer Lee, MD  
Brett Lindgren, DO  
Karthika Linga, MD  
Nahal Mansouri, MD  
Ronnie Mantilla, MD  
April McDonald, MD  
Shail Mehta, MD  
Shireen Mirza, MD  
Aakash Modi, MD  
Karen Niehaus, MD

Yewande Odeyemi, MD  
Rose Paccione, MD  
William Parker, MD  
Krunal Patel, MD  
Priya Patel, MD  
Bhanu Patibandla, MD  
Yoland Philpotts, MD  
Ray Pillai, MD  
Mario Ponce Alvarez, MD  
Steven Popper, MD  
Michael Prodromou, MD  
Alexander Rabin, MD  
Anand Kumar Rai, MBBS  
Javier Ramos Rossy, MD  
Gregory Ranches, MD  
Rene Rico, MD  
Justin Rosenheck, DO  
Debjit Saha, MD  
Lekshmi Santhosh, MD  
Erica Schneider, MD  
Eric Scholten, MD  
Luke Seaburg, MD  
Herman Sequeira, MD  
Sameh Shalaby, MD  
William Shapiro, MD  
Laura Sherlock, MD  
Sheri Shimizu-Saito, MD  
Subhas Sitaula, MBBS  
Morgan Soffler, MD  
Eduardo Solbes, MD  
Cordelia Solomon, MD  
Laura Spece, MD  
Shubha Srinivas, MD  
Sally Suliman, MD  
Samir Sultan, DO  
Brent Tatsuno, MD  
Jeffrey Thiboutot, MD  
Sheri Tran, MD  
Victor Tseng, MD  
Naveen Tyagi, MD  
Saraschandra Vallabhajosyula, MBBS  
Gabriel Wardi, MD  
Bethany Weiler-Lisowski, MD  
Blair Wendlandt, MD  
Rebecca Wukovich, MD



# RESIDENT BOOT CAMP

**ATS 2016**  
San Francisco CALIFORNIA



If you are interested in attending the 2016 Resident Boot Camp in San Francisco, please send an email to Lauren Lynch, director of ATS education, [llynch@thoracic.org](mailto:llynch@thoracic.org)

Cover photo by Steve Schneider

"I am so glad I attended the 2015 ATS Boot Camp - it gave me a solid foundation to build on and has increased my confidence level overall. Thank you so much ATS!"

**-2015 Boot Camper: Yewande Odeyemi, MD**

Residency: Howard University  
Fellowship: Howard University



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