EDUCATION

American Thoracic Society

RESIDENT
BOOT CAMP
ATS 2016
San Francisco CALIFORNIA

We help the world breathe®
PULMONARY • CRITICAL CARE • SLEEP
Registration for the 2017 Resident Boot Camp is now open.

The Boot Camp will be held on Friday May 19 and Saturday May 20, 2017 in Washington DC.

To apply, visit: www.thoracic.org

Registration will close on February 15, 2017
OVERVIEW:
The 2016 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 course was for 152 in-coming fellows who had matched into a pulmonary or critical care fellowship program beginning July 2016 and featured over 110 faculty teachers!

OBJECTIVES:
The goal of this course was to prepare physicians who are starting their adult and pediatric pulmonary and critical care fellowships in the coming academic year. The course provided hands-on training of skills that they can use day-one of fellowship with an emphasis on:

- Airway management including endotracheal intubation
- Fiberoptic bronchoscopy and accompanying procedures
- Noninvasive and invasive ventilator management
- Thoracentesis
- Calibration and operation of hemodynamic recording systems
- Supervision of the technical aspects of pulmonary function testing
- Insertion and management of chest tubes
- Proficiency in use of ultrasound

2016 Resident Boot Camp Planning Group

Brendan Clark, MD, MS
Course Chair

Jennifer McCallister, MD
Co-Chair

Laura Crotty-Alexander, MD
Co-Chair

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

Patricia A. Kritek, MD, EdM
Co-Chair

Barbara Chini, MD
Pediatric Track Course Chair
Faculty

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.

2016 TEACHER FACULTY LIST:

Steven Abman, MD - University of Colorado-Denver
Rosemary Adamson, MD - University of Washington
Matt Adler, MD - Cincinnati Children’s Hospital Medical Center
Haitham Al Ashry, MD – MUSC
Tyler Albert, MD - University of Washington
Rendell Ashton, MD - Cleveland Clinic
Saqib Baig, MD – Rutgers University
James Beck, MD - University of Colorado-Denver
Bill Beninati, MD - Intermountain LDS Hospital
Dan Benscoter, MD - Cincinnati Children’s Hospital Medical Center
Alex Benson, MD - University of Colorado-Denver
Anna Brady, MD - University of Washington
John Brewington, MD - Cincinnati Children’s Hospital Medical Center
Emily Brigham, MD - Johns Hopkins
V. Courtney Broaddus, MD – University of California-San Francisco
Shari Brosnaham, MD - New York University
Kristin Burkhart, MD, MSc - Columbia University
W. Graham Carlos, MD - Indiana University

Danny Casto, DO - Baylor College of Medicine
Neal Chaisson, MD - Cleveland Clinic
Lydia Chang, MD - University of North Carolina-Chapel Hill
Shalinee Chawla, MD - Winthrop University
Ira Cheifetz, MD - Duke University School of Medicine
Barbara Chini, MD - Cincinnati Children’s Hospital Medical Center
Jim Chmiel, MD - Case Western Reserve University School of Medicine
David Chu, MD - Boston Medical Center
Jonathan, Chung, MD- University of Chicago
Brendan Clark, MD, MS - University of Colorado-Denver
Geoff Connors, MD - Yale University
Colin Cooke, MD - University of Michigan
Robin Cornelissen, MD - Erasmus University
Laura Crotty-Alexander, MD - University of California-San Diego
Talal Dahhan, MD - Duke University
Carolyn D’Ambrosio, MD - Harvard-Brigham and Women’s Hospital
Stephanie Davis, MD - Riley Hospital for Children

Emily DeBoer, MD - University of Colorado School of Medicine
Sakshi Dua, MD - Icahn School of Medicine at Mount Sinai
Hawa Edriss, MD - Texas Tech University
Azeem Elahi, MD - University of Tennessee – Memphis
Mai ElMallah, MD - University of Massachusetts
Oleg Epelbaum, MD - Westchester Medical Center
Edward Fong, MD - Stanford University School of Medicine
Dan Fox, MD - University of Colorado-Denver
Antonio Gomez, MD - University of California-San Francisco
Ryan Good, MD - University of Colorado School of Medicine
Carrie Goodson, MD - Johns Hopkins
William Hardie, MD - Cincinnati Children’s Hospital Medical Center
Don Hayes, MD - Nationwide Children’s Hospital
Heather Hoch, MD - University of Colorado School of Medicine
Jordana Hoppe, MD - University of Colorado School of Medicine
David Hsia, MD - Harbor-UCLA Medical Center
Faculty

Tristan Huie, MD - National Jewish Health
Jennifer Ingram, PhD - Duke University
Shazia Jamil, MD - University of California-San Diego
Meshell Johnson, MD - University of California-San Francisco
Rebecca Keith, MD - University of Colorado-Denver
Ryan Kern, MD - Mayo Clinic
Pierre Kory, MD - University of Wisconsin
Maryl Kreider, MD - University of Pennsylvania
Trish Kritek, MD, EdM - University of Washington
Abbey Lara, MD - University of Colorado-Denver
Mani Latifi, MD - Cleveland Clinic
May Lee, MD - Mt. Sinai Hospital, Chicago
Joyce Lee, MD - University of Colorado-Denver
Peter Lenz, MD - University of Cincinnati
Barb LeVarge, MD - Harvard University
Ni Cheng Liang, MD - University of California-San Diego
Michael Lipnick, MD – Sedgwick County Health Center
Deb Liptzin, MD - University of Colorado School of Medicine
Andrew Luks, MD - University of Washington
Ken Lyn-Kew, MD - National Jewish Health
Lorraine MacPhe, RT - Stanford University School of Medicine
Samir Makani, MD - University of California, San Diego
Harold Manning, MD - Dartmouth University
Susan Mathai, MD - University of Colorado-Denver
Jennifer McCallister, MD - The Ohio State University
Sharon McGrath Morrow, MD - Johns Hopkins Children’s Center
Jake McSparron, MD – Harvard University
Rishi Mehta, MD, - Loyola University
Edward Mims, MD - University of California-San Diego
Paul Mohabir, MD - Stanford University
Paul Moore, MD - Vanderbilt University School of Medicine
Marc Moss, MD - University of Colorado-Denver
Scott Oh, DO - University of California-Los Angeles
Peter Oishi, MD – University of California-San Francisco
Caroline Ozment, MD - Duke University School of Medicine
Howard Panitch, MD – Children’s Hospital of Philadelphia
Polly Parsons, MD - University of Vermont
Amit Parulekar, MD - Baylor College of Medicine
Alex Pistun, MD – Rutgers University
Jen Possick, MD - Yale School of Medicine
Deepak Pradhan, MD - New York University
Priyanka Rajaram, MD - Emory University
Christine Reardon, MD - Boston University

Carleen Risaliti, MD - The Ohio State University
Jeffrey Robinson, MD - University of Colorado-Denver
Lekshmi Santhosh, MD - University of California-San Francisco
Frank Schembri, MD - Boston Medical Center
Luke Seaburg, MD - University of Washington
Nitin Seam, MD - George Washington University School of Medicine
Eric Seeley, MD – University of California-San Francisco
Akaya Smith, MD - University of Pennsylvania
Peter Sottile, MD - University of Pennsylvania
Geneva Tatum, MD - University of Colorado-Denver
Mint Teerapuncharoen, MD - University of Alabama-Birmingham
James Town, MD - University of Washington
Saraschandra Vallabhajosyula, MD - Mayo Clinic
Joshua Vasquez, MD - University of California-San Francisco
Tisha Wang, MD - University of California-Los Angeles
Pnina Weiss, MD - Yale School of Medicine
Nick Wysham, MD - Duke University
Houssein Youness, MD - Oklahoma University
Randy Young, MD - Penn State Hershey Medical Center
Eric Zee, MD - Stanford University School of Medicine
# Agenda

## Adult Track

### Lectures:
- Pulmonary Physiology
- Top Five ICU Emergencies
- The Chest CT: What Pulmonary Fellow Needs to Know
- Inpatient Emergencies / How to Run a Code
- Top Five Pulmonary Consults
- A Primer for the Pulmonary Clinic

### Small Group Discussions
- Critical Care Hemodynamics Waveforms
- Fellow and Faculty Q&A
- How to Teach in Small Groups
- After the Meeting – Practical End of Life Care
- Keys to Success in Pulmonary and Critical Care Medicine
- PFT Interpretation

### Hands on Workshops:
- Lung and Pleural Ultrasound
- Cardiac Ultrasound
- Bronchoscopy for Hotshots
- Difficult Airway Management
- Airway 101
- Bronchoscopy 101
- Mechanical Ventilation
- Pleural Procedures

## Pediatric Track

### Lectures:
- Pulmonary Physiology
- Pediatric Chest Imaging
- Top Five Pediatric Pulmonary Consults
- Inpatient Emergencies / How to Run a Code
- Top Five Pediatric Pulmonary Emergencies
- Heart and Lung Interactions

### Small Group Discussions:
- Delivering Difficult News
- Keys to Success
- How to Teach in Small Groups
- Fellow / Junior Faculty Q&A
- CF Workshop
- Acute Versus Chronic Respiratory Failure

### Hands On Workshops:
- Airway 101
- Bronchoscopy 101
- Mechanical Ventilation
- PFTs
- Line Placement
- ECMO
- NIPPV
- Airway Clearance
“I want to thank the ATS and the Resident Boot Camp faculty for investing such tremendous time and effort in making such a great course available for “brand new” fellows like myself. By participating in the Boot Camp, I now feel so much more prepared to step into the ICU, the bronchoscopy suite or pulmonary clinic as a fellow on July 1, 2016. I can’t tell you how grateful I am - thank you!”

–Wendy Ezegbunam
SUNY Health Science Center at Brooklyn
“I had completed the Resident Boot Camp and found the course fantastic for my own education to garner a basis of what the next year of my life was going to entail. The course was spot-on and the past year I have utilized each and every one of the skills obtained and/or introduced”.

–Karen Niehaus, MD
University of Cincinnati
“The greatest benefit of attending this course is the introduction to ATS and networking with other peers and colleagues. The educational content is important, and I have gained knowledge that I have incorporated into my practice. Additionally, I have benefited tremendously from teaching in the RBC by being able to network with other pediatric educators in my field and demonstrate a commitment to teaching at the international level which is rare at my stage of training.”

–Erin Powell, MD
Vanderbilt University
The 2016 RBC was supported by in-kind grants from:

Ambu
BD
ERBE USA, Inc.
FUJIFILM
Sonosite, Inc.
Hill-Rom Micro Direct, Inc.
Monaghan Medical Corporation
Olympus Corporation of the Americas
Philips Respironics
Verathon
# ATS Boot Camp
## Class of 2016!

<table>
<thead>
<tr>
<th>Name</th>
<th>Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ramsy Abdelghani MD</td>
<td>Alissa Holman MD</td>
</tr>
<tr>
<td>Abhishek Agarwal MD</td>
<td>Stephanie Hsu MD</td>
</tr>
<tr>
<td>Sabhyata Agrawal MD</td>
<td>Nikhil Jagan MBBS</td>
</tr>
<tr>
<td>Anas Ahmed MBBS</td>
<td>Bilal Jalil MBBS</td>
</tr>
<tr>
<td>Muhammad Ali MD</td>
<td>Katie Jeans MD</td>
</tr>
<tr>
<td>Anas Al-Khateeb MD</td>
<td>Abhash Joshi MD</td>
</tr>
<tr>
<td>Khaled Alshabani MD</td>
<td>Muqueetmohmed Kadri MD</td>
</tr>
<tr>
<td>Kristen Ameel MD</td>
<td>William Karkowsky MD</td>
</tr>
<tr>
<td>Nestor Anguiano MD</td>
<td>Nandini Kataria MD</td>
</tr>
<tr>
<td>Sohi Ashraf MD</td>
<td>James Katsis MD</td>
</tr>
<tr>
<td>Hani Badi MD</td>
<td>Virendra Mandal MD</td>
</tr>
<tr>
<td>Bharat Bajantri MD</td>
<td>Laiqua Khalid MD</td>
</tr>
<tr>
<td>Dipati Baral MBBS</td>
<td>Malik Khan MD</td>
</tr>
<tr>
<td>Andrew Berical MD</td>
<td>Shahzad Khan MS, MD</td>
</tr>
<tr>
<td>Roberto Bernardo MD</td>
<td>Vikramjit Khangoora MD</td>
</tr>
<tr>
<td>Benjamin Bevill MD</td>
<td>John Kileci MD</td>
</tr>
<tr>
<td>Marvi Bikak MD</td>
<td>Karthik Kode MD</td>
</tr>
<tr>
<td>Katie Boyne MD</td>
<td>Peter Koon MD</td>
</tr>
<tr>
<td>Anjuli Brighton MBBChBAO</td>
<td>Katie Krone MD</td>
</tr>
<tr>
<td>Christie Ann Brillante MD</td>
<td>Dustin Krutsinger MD</td>
</tr>
<tr>
<td>Michael Buchanan MD</td>
<td>Yu Kuang Lai MD</td>
</tr>
<tr>
<td>Monica Cardenas MD</td>
<td>Michael Lake MD</td>
</tr>
<tr>
<td>Daniel Cerrone MD</td>
<td>Aaron Lampkin DO</td>
</tr>
<tr>
<td>Kevin Charles MD</td>
<td>Ming-Ming Lee MD</td>
</tr>
<tr>
<td>Michael Cruz Caliz MD</td>
<td>Kenneth Leung MD</td>
</tr>
<tr>
<td>Dhruv Desai MD</td>
<td>Shu-Yi Liao MD, MPH, MSc, ScD</td>
</tr>
<tr>
<td>Alejandro Diaz Chavez MD</td>
<td>Cole Liberator MD</td>
</tr>
<tr>
<td>Daniel Djondo MD</td>
<td>Matthew Light MD</td>
</tr>
<tr>
<td>Stephen Doyle DO, MBA</td>
<td>Weerapong Lilittwat MD</td>
</tr>
<tr>
<td>Adam Dziomry MD</td>
<td>Robert Lindell MD</td>
</tr>
<tr>
<td>Ty Elliott MD</td>
<td>Mengdi Lu MD</td>
</tr>
<tr>
<td>Nkiruka Emeagwali MS MD PhD</td>
<td>Yulin Lynch MD</td>
</tr>
<tr>
<td>Wendy Ezegbunam MBBS</td>
<td>Patrick Lyons MD</td>
</tr>
<tr>
<td>Ashraf Fawzy MD, MPH</td>
<td>Jansi Manganti MD</td>
</tr>
<tr>
<td>Julie Fierro MD, MPH</td>
<td>Miguel Martillo MD</td>
</tr>
<tr>
<td>Elizabeth Foley MD</td>
<td>Stefanie Mason MD</td>
</tr>
<tr>
<td>Stephanie Fountain MD</td>
<td>Brent Matsuda MD</td>
</tr>
<tr>
<td>Jennifer Fu DO</td>
<td>Amanda McCambridge MD</td>
</tr>
<tr>
<td>Neal George DO</td>
<td>Kolene McDade MD</td>
</tr>
<tr>
<td>Katherine Gershner DO</td>
<td>Katie Merson DO</td>
</tr>
<tr>
<td>Ahmed Ghadai MD</td>
<td>Jason Miller MS, MD</td>
</tr>
<tr>
<td>Zena Ghazala MD</td>
<td>Kathryn Milne MD</td>
</tr>
<tr>
<td>Rohit Godbole MD</td>
<td>Ryo Miyakawa MD</td>
</tr>
<tr>
<td>Kavitha Gopalaratnam MD</td>
<td>Matthew Moll MD</td>
</tr>
<tr>
<td>Joseph Gordon MD</td>
<td>Joseph Moore MD</td>
</tr>
<tr>
<td>Karan Gupta MD</td>
<td>Jemina Morales MD</td>
</tr>
<tr>
<td>Samaher Hashim MD</td>
<td>Ikue Nakayama MD</td>
</tr>
<tr>
<td>Chao He MD, PhD</td>
<td>Saiprasad Narsingam MBBS</td>
</tr>
<tr>
<td>Kyle Henry MD</td>
<td>Abesh Niroula MD</td>
</tr>
<tr>
<td>Ryan Hirschfeld MD</td>
<td>Jennifer Obi MD</td>
</tr>
<tr>
<td>Michelle Hjelm MD</td>
<td>Marwan Odeesh MD</td>
</tr>
<tr>
<td>Gbonjubola Onawunmi MBBS</td>
<td>Nathan Pajor MD</td>
</tr>
<tr>
<td>Govind Pandompatam MD</td>
<td>Bhavi Patel MD</td>
</tr>
<tr>
<td>Niral Patel MD</td>
<td>Sweta Patel MD</td>
</tr>
<tr>
<td>Ricardo Perez MD</td>
<td>Armeen Poor MD</td>
</tr>
<tr>
<td>Abigail Quintos MD</td>
<td>Allison Ramsey MD</td>
</tr>
<tr>
<td>Ryan Rogers DO</td>
<td>Reza Ronaghi MD</td>
</tr>
<tr>
<td>Darya Rudym MD</td>
<td>Mickey Sachdeva MD</td>
</tr>
<tr>
<td>Edmond Sarkis MD</td>
<td>Abhinav Saxena MBBS</td>
</tr>
<tr>
<td>Ciaran Scallan MD</td>
<td>Alyssa Scilafani MD</td>
</tr>
<tr>
<td>Alyssa Senne DO</td>
<td>Muhammad Shafi MD</td>
</tr>
<tr>
<td>Ibrahim Shahoub MD</td>
<td>Andrea Shioleno MD</td>
</tr>
<tr>
<td>Ruth Siew MD</td>
<td>Lakshmi Sivarajan MD</td>
</tr>
<tr>
<td>Michelle Genevieve Soubremont-King MD</td>
<td>Kevin Solverson MD, MSc</td>
</tr>
<tr>
<td>Brian Stephenson DO</td>
<td>Janelle Stevens DO</td>
</tr>
<tr>
<td>Alyssa Stoner DO</td>
<td>Sivaraja Subramaniam MD</td>
</tr>
<tr>
<td>Alok Surana MD</td>
<td>Romala Surendran MD</td>
</tr>
<tr>
<td>Saema Tahir MD</td>
<td>Sana Tareen MD</td>
</tr>
<tr>
<td>Suman Thapamagar MD</td>
<td>Sherin Thumpayil MD</td>
</tr>
<tr>
<td>Nathan Tobey MD</td>
<td>Muhammad Usman MD</td>
</tr>
<tr>
<td>Sana Vahidy MD</td>
<td>Eleanor Valenzi MD</td>
</tr>
<tr>
<td>Aashish Valvani MD</td>
<td>Prakruthi Voore MD</td>
</tr>
<tr>
<td>Nikolai Wajda MD</td>
<td>Avanthika Wickramarathe MD</td>
</tr>
<tr>
<td>Tiffany Ynosencio MD</td>
<td>Yolanda Yu D.O.</td>
</tr>
<tr>
<td>Sandra Zaehe MD</td>
<td>Sana Vahidy MD</td>
</tr>
<tr>
<td>Tanzira Zaman MD</td>
<td>Muhammad Usman MD</td>
</tr>
<tr>
<td>William Zhang MD</td>
<td>Sana Vahidy MD</td>
</tr>
</tbody>
</table>

For more information at the ATS Resident Boot Camp, please contact Lauren Lynch, director of education programs at the ATS, llynch@thoracic.org