Section of Medical Education





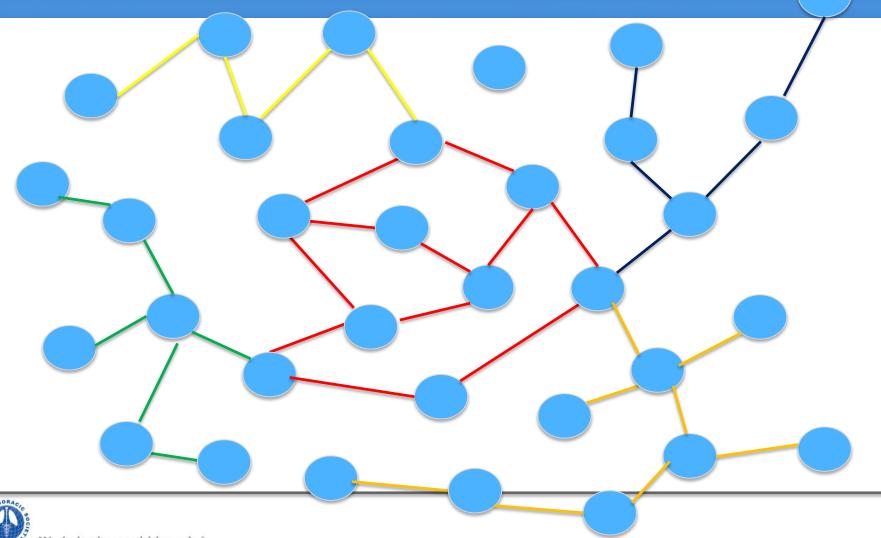
Meeting Outline

1 Business Meeting/Update

2 Working Part of Meeting



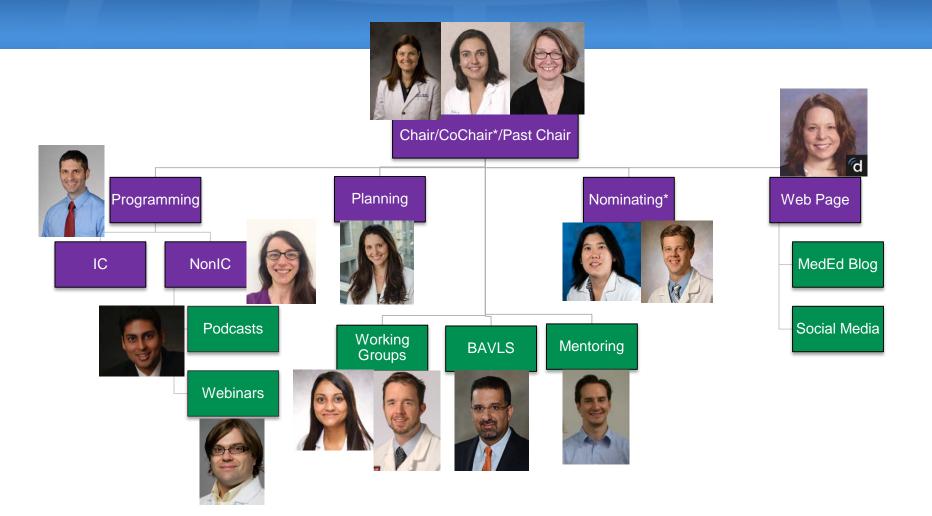
Networking is Critical!



Icebreaker

- Before end of session....
 - Find someone you don't know and introduce yourself
 - What is one MedEd project/idea you want to share, practice your elevator speech

Introductions



Introductions- Election Results



Hank Fessler Co-Chair



Molly Hayes Nominating Commitee



Jackob McSparron Nominating Commitee

Introduction- ATS Support





Vlad Crevecoeur

Awards



Best of ATS Video Lecture Series

Presented by Nitin Seam

Innovations in Fellowship Education

Presented by Kristin Burkart

BAVLS

Program Elements

- In an effort to recognize programs that implement exceptional practices, the ATS Training Committee developed the Innovations in Fellowship Education Award Program in 2012
- All pulmonary, critical care, sleep, and allergy fellowship programs (adult and pediatric) are invited to submit one abstract showcasing a novel and innovative best practice method.
- The goal of this program is to honor fellowship programs that demonstrate educational excellence and share these best practices with other programs. All abstracts are published.

Innovations in Fellowship Education

- ATS Training Committee developed the award in 2012 to honor educational excellence
- Recognizes innovative fellowship curricula
- All Pulmonary, CC, sleep, and allergy fellowship programs (adult and pediatric) are invited to submit abstract
- All abstracts are published

Program Criteria & Ranking Process Abstracts reviewed by ATS Training Committee

Innovation Implementation / Sustainability Transferability Outcomes

Innovations in Fellowship Education

15 programs submitted abstracts

Boston University
Eastern Virginia Medical School
ICAHN School of Medicine
Mayo Clinic
Mount Sinai Beth Israel Hospital
New York School of Medicine
North Western University
Oregon Health and Science
University

Perelman SOM @ University of Pennsylvania Rush University Medical Center The Medical University of South Carolina University of Kansas University of Toronto University of Washington Winthrop University Hospital

2017 Innovation Abstract Winner

University of Washington

<u>Title</u>: Leadership Education for Critical Care Fellows
Using Simulation

<u>Abstract Authors</u>: T. C. Steinbach; R. Adamson; D. Carlbom; Johnson; P.A. Kritek MD, EdM; and Başak Çoruh, MD

<u>Program Director</u>: Mark Tonelli, MD <u>Type of Program</u>: PCCM



Top Innovation Abstracts for 2017

<u>Boston University</u>: "An Interactive, Flipped-Classroom Approach to Introducing Pulmonary Fellows to Flexible Bronchoscopy"

Mount Sinai St. Luke's-West-ICAHN School of Medicine: "Promoting Humanism in Pulmonary & Critical Care Medicine: For Fellows, By Fellows"

Oregon Health and Sciences University: "Using High Fidelity Simulation-based Education to Improve Practitioner Competence and Comfort in Ventilator Management"

The Medical University of South Carolina: "A Longitudinal Curriculum in Critical Care Ultrasonography Training for Pulmonary and Critical Care Medicine Fellowships"

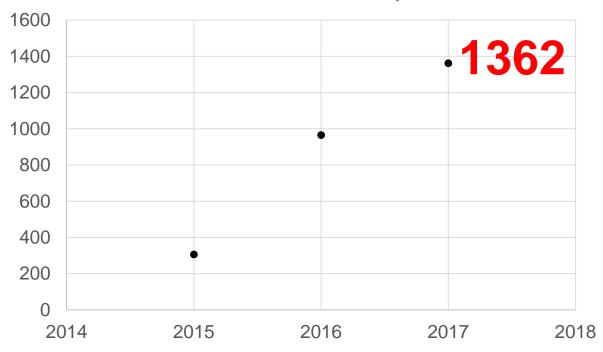


Section Updates

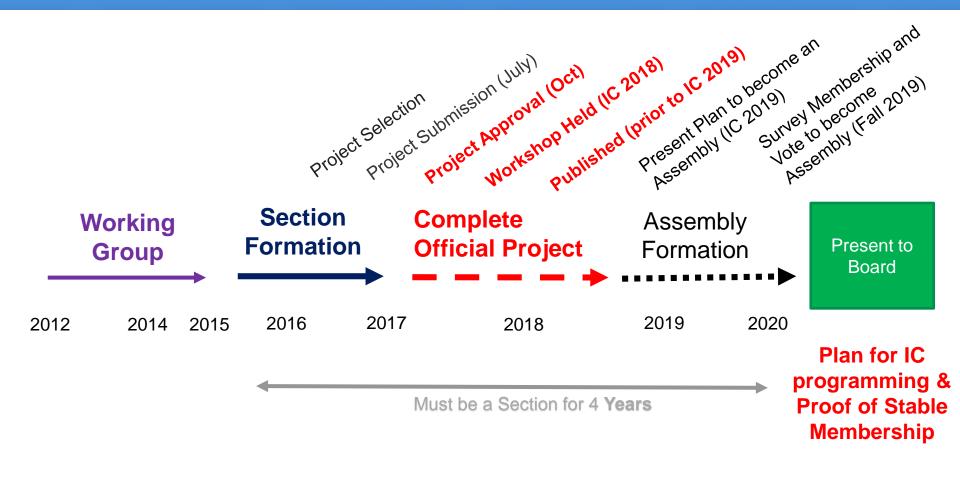
- Membership and Becoming an Assembly Executive Committee
- Planning
- Programming
- Communication
- Webinar
- Podcasts Men
- toring Efforts
- Formation of Working Groups

Section Updates

Section Membership



Road to Becoming an Assembly





Projects

Executive Committee Project-

Promotion Guidelines for Clinician Educators

Opportunities working groups/other section member?

Policy & Research Statements - States the ATS position on matters of research and/or public health policy

Workshop Reports - Summary of ATS sponsored workshops and conferences

Technical Standards - Describe how a test or procedure should be performed

Clinical Practice Guidelines - Provide evidence-based recommendations for clinical practice



Section Updates

- Becoming an Assembly
- Planning Committee- Kristin Burkart
- Programming-
- Communication
- Webinars
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- Working Group Formation

Planning

Application Type (New or Renewal)	Submitter Name	Project Title	Project Primary Assembly	Project Secondary Assembly	Email

Section Updates

- Membership and Becoming an Assembly Executive Committee
- Planning
- Programming- Jeremy Richards and Rosemary Adamson
- Communication
- Webinar
- Podcasts
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- Formation of Working Groups



AMERICAN THORACIC SOCIETY



International Conference Programming

Rosemary Adamson, MB BS, & Jeremy Richards, MD, MA



International Conference Programming

Medical Education Seminars

2015:

How to Energize Large Group teaching, Teaching on the Fly, Put Modern Educational Strategies in to Practice

2016:

Bedside teaching, Timely feedback, Small group teaching skills

2017:

Educational videos,
Simulation tips,
Large group
teaching skills

2018: ?teaching in clinical environment, ?curriculum development, ?coaching



International Conference Programming

Medical Education Programming 2017

- 2 Workshops (Simulation & CE career development)
 - 1 Meet the professor (Leadership)
 - O Sunrise seminar sessions
 - O Scientific symposia
- 3 Poster sessions (including one mini-symposium, one poster discussion)

International Conference Programming

Center for Career Development

Proprietary space under purview of the MITT committee

Programming determined by MITT committee and/or SoME

Availability between 9-11AM and 2-4PM

Sessions <u>not</u> included in formal ATS program



Center for Career Development

Complimentary breakfast every day 7:00 a.m.

SUNDAY, MAY 21, 2017

Time: 11:00 a.m. - Noon Topic: ATS 101

Speakers: Monica Kraft, MD, University of Arizona Health Sciences Center; Trish Kritek, MD, EdM, University of Washington

11me: Noon – 1:00 p.m.

Topic: How to Write a Paper

Speakers: Gisli Jenkins, MD, Thorax; Martin Kolb, MD, PhD, McMaster University; Toby Maher, MD, Imperial College of London; Ellen Burnham, MD, University of Colorado Denver

Time: 2:00 - 4:00 p.m. BEAR Cage

The top three submissions chosen by the ATS Drug Device Discovery and Development (DDDD) Committee will be invited to pitch their highly innovative research proposals to a panel of translational science experts representing academia, industry, and governmental sectors in front of a live audience during the ATS 2017 International Conference

Time: 4:00 - 5:00 p.m.

Topic: How to Create a Podcast and Web-Based Videos for Medical Education **f Live**

Speaker: Rosemary Adamson, MBBS, University of Washington; Garth Garrison, MD, University of Vermont; Nitin Seam, MD, National Institue of Health

Time: 5:00 – 6:00 p.m. TEACH - Medical Education Fellow Mixer

MONDAY, MAY 22, 2017

Time: 11:00 a.m. - Noon

Topic: How to Get involved in Government and Advocacy

Speakers: Dean Schraufnagel, MD, University of Illinois at Chicago; Douglas Arenberg, MD, University of Michigan; Gary Ewart, Chief, Advocacy & Government Relations, American Thoracic Society

Time: Noon - 1:00 p.m.

Topic: Early Career Group: How to be a Successful and Effective Peer Reviewer Speaker: Dr. Jadwiga Wedzicha, MD, PhD; National Heart and Lung Institute Airways Disease; Alexander MacKay,PhD, The Royal London Hospital Barts Health NHS Trust

Time: 1:00 - 2:00 p.m.

Topic: How to Write a Specific Alms Page Speakers: Michael Matthay, MD, University of California San Francisco; Beth Moore, MD, University of Michigan; Fernando Holguin, MD, University of Colorado

Time: 3:00 - 4:00 p.m.

Topic: Get Ahead with the Red: Let the Red Journal Help Your Career Development

Speakers:Paul Schumacker, PhD, Northwestern University; Susanne Herold, PhD, University of Glessen Lung Center; Gregory Downey, MD, National Jewish Health

Time: 4:00 - 5:00 p.m.

Topic: Best Practices in Billing and Coding for Senior PCCM Fellows

Speakers: Kevin Kovitz, MD, The Chicago Chest Center; Katina Nicolacakis, MD, Cleveland Clinic

TUESDAY, MAY 23, 2017

Time: 11:00 a.m. - Noon

Medicine of USC

Topic: How to Teach Effectively at the Bedside Speakers: Gregory Schmidt, MD, University of Iowa; JP Kress, MD, University of Chicago; Daryl Thornton, MD, MPH, MetroHealth Medical Center; Teresa Hammond, MD, Keck School of

Time: Noon – 1:00 p.m. Global Health Session – LMIC Practice and Opportunities

Speakers: Cecilia Patino-Sutton (University of Southern California); Juliana Ferreira (Universidade de Sao Paulo); William Checkley (Johns Hopkins); Gonzalo Gianella (Universidad Peruana Cayetano Heredia)

Time: 1:00 - 2:00 p.m.

Topic: How to Access ATS Grants
Speakers: Jesse Roman, MD, University
of Louisville; Scott Budinger, MD, Northwestern
University; Richard Schwab, MD, University
of Pennsylvania

Time: 4:00 – 5:00 p.m. Topic: How to Develop an Effective Training Plan

Speakers: Monica Kraft, MD, University of Arizona; Jeffrey Horowitz, MD University of Michigan; David Schwartz, MD, University of Colorado

International Conference Programming

If interested add to the google doc:

https://goo.gl/61iMM5

Or contact us:

adamsonr@uw.edu

jeremyrichardsmd@gmail.com



International Conference Programming

Brainstorming for ATS 2018

Timeline is <u>tight</u> – submissions due July 2017

Review of preliminary proposals & Identify opportunities to collaborate

New ideas for proposals for ATS 2018?

Section Updates

- Becoming an Assembly
- Planning
- Programming
- Communication Laura Hinkle
- Webinars
- Podcasts
- Mentoring Efforts
- Working Group Formation

Newsletter

Section on Medical Education newsletter

C Follow SoME

January 31, 2017

What's Happening in the SoME

We have identified a formal project to complete as part of our journey to becoming an assembly. The project will center around promotion criteria for clinician-educators.

Look out for our International Conference Roadmap, coming soon. Our Section Meeting will be on Tuesday, Tuesday, May 23rd 4:30-6:30 pm at Renaissance Washington, DC Downtown Hotel -Congressional Hall A (Ballroom Level).

Webinars and Podcasts

Curriculum Development- Planned for March. Stay tuned for more.

Consider watching the webinar on how to create posters as you prepare for the international conference. Click here to watch webinar.

Get INVOLVED

Submit a video for the Best of ATS Video Lecture series. Videos will be peer reviewed and the top videos awarded at ATS. Click here to learn more

Starting to organize formally our planned working groups, on undergraduate medical education and educational research, let us know if you want to join (click here to sign up)

We are now soliciting suggestions for nominees for our Section Leadership positions. If you have suggestions for nominees, please send them to the Medical Education Section Nominating Committee at meded@thoracic.org. The deadline for suggestions is Monday, March 6th, 2017.

Opportunities to Publish your work!

JAMA usually issues a call for Medical Education Abstracts/Papers in March, due in June. If you have high quality medical education research, think about submitting here! More to come...

Did you see this?

Follow our Blog! In December, Blogger Erin Raci Weatherbee blogs about:

Association between end-of-rotation resident transition in care and mortality among hospitalized patients. JAMA. 2016;316(21):2204-2213.

Identifying educator behaviors for high quality verbal feedback in health professions education: literature review and expert refinement. BMC Medical Education 2016;16:96.

Using Just-in-Time Teaching and Peer Instruction in a Residency Program's Core Curriculum: Enhancing Satisfaction, Engagement, and Retention. Acad Med. 2015;90(3):384-391.





Website Update

Medical Education

Home ▶ Members ▶ Assemblies and Sections ▶ Sections ▶ Medical Education











Sections

- Genetics and Genomics
- **Medical Education**
 - Mission Statement
 - Officers & Committees
 - Organizational Structure
 - Goals for 2016-2017
 - SoME News
 - Featured Articles
 - Medical Education Links
 - Podcasts.
 - Webinars
 - Comments/Suggestions
- Terrorism and Inhalation Disasters

Section on Medical Education





What's new

- Podcast: Critical Thinking in Critical Care
- 2017 Agenda: Section on Medical Education Membership Meeting

Featured

- Webinars
- SoME News



Accomplishments

- 1. Medical Education Links Updated
- 2. Featured Article Blog
- 3. Twitter Feed
- 4. New Graphics for Webpage

Requests submitted to ATS graphics team

Medical Education Links

Community & Collaboration

MedEd World

An international health professions community with the purpose of sharing of information, ideas, experience, and expertise. Launched by the Association for Medical Education in Europe (AMEE).

A brief "MedEd World Overview" (5 min) video is available here.

MedEdPORTAL

A free, open-access publication service that promotes educational scholarship and collaboration by facilitating the open exchange of peer-reviewed health education teaching and assessment resources. Provided by the AAMC, along with the American Dental Education Association and the American Psychological Association.

Skill Development

Clinician Educator's Handbook 236 page PDF from Texas Children's Hospital, published in 2008. A practical reference written with clinical teaching in mind.

Instructional Methods in Health Professionals Education (via Coursera) - open online 8 week course from University of

Medical Education Links

- Completely updated and reorganized
 - Community and Collaboration
 - Skill Development
 - Scholarship and Career Development
 - Learning Materials

A big thanks to Dr. Erin Raci Wetherbee for her work on this!

Featured Article Blog



Blogger: Snigdha Jain, MD

About the blogger: Snigdha Jain, MD is an Assistant Professor of Medicine at the UT Southwestern Medical Center. She completed a Certificate in Medical Education through the University of Iowa Carver College of Medicine alongside her internal medicine residency training. She is interested in graduate medical education with a particular focus on critical care and inpatient medicine.

Citation: Stammen LA, Stalmeijer RE, Paternotte E, Oudkerk Pool A, Driessen EW, Scheele F, Stassen LP. Training Physicians to Provide High-Value, Cost-Conscious Care: A Systematic Review. JAMA. 2015 Dec 8;314(22):2384-400.

Why this article?

With rising healthcare expenditures, high value care is gaining momentum across medical specialties including critical care medicine. Since physician choices of diagnostic and treatment measures are responsible for a substantial portion of this cost, educating future generations of physicians at both graduate and undergraduate levels becomes important. This article systematically reviewed educational interventions targeted at achieving cost conscious care.

The authors screened more than 2500 articles for studies of any design that described an educational intervention on medical students, residents or physicians and evaluated its impact on improving knowledge/ attitude regarding cost of care, improving quality of care, reducing healthcare expenditure or reducing volume of health care services, with no date restrictions. They included 79 studies in the systematic review and described 3 core principles that led to successful learning:

Blogs- 13 articles Reviewed

Previous Articles

- The Effects of Race and Racial Concordance on Patient-Physician Communication: A Systematic Review of the Literature
- The Missing Link: Connection Is the Key to Resilience in Medical Education
- · Physicians and Implicit Bias: How Doctors May Unwittingly Perpetuate Health Care Disparities
- · Would Socrates Have Actually Used the "Socratic Method" for Clinical Teaching?
- · Training Physicians to Provide High-Value, Cost-Conscious Care: A Systematic Review
- Development and Validation of an Assessment Tool for Competency in Critical Care Ultrasound
- · Association between end-of-rotation resident transition in care and mortality among hospitalized patients
- Using Just-in-Time Teaching and Peer Instruction in a Residency Program's Core Curriculum: Enhancing Satisfaction,
 Engagement, and Retention
- · Identifying educator behaviors for high quality verbal feedback in health professions education
- Will This Hemodynamically Unstable Patient Respond to a Bolus of Intravenous Fluids?
- · Preclinical medical student observations associated with later professionalism concerns
- Early Identification of Patients With Out-of-Hospital Cardiac Arrest With No Chance of Survival and Consideration for Organ Donation

Blog Contributors
Michelle Sharp
Sumit Bhargava
Snigdha Jain
Erin Raci Wetherbee
Lekshmi Santosh

Twitter

Contributors

Kristin Burkart

Sarah Beesley

Graham Carlos

Laura Hinkle

Alison Clay

Lekshmi Santhosh

Twitter

>100 Tweets This Year





ATS Med Ed Section

@ATSMedEd

Hub for educational resources, collaboration, and training for ATS educators.



ATS Med Ed Section @ATSMedEd · May 8

Drs. Carlos (@IUPCCM) & Hayes (@ATSMedEd Members) discuss teaching and learning in the ICU! #podcast @atscommunity thoracic.org/about/ats-podc...

4







SoME ATS Med Ed Section @ATSMedEd · May 3

Interesting discussion of cognitive load as it relates to procedural training. ow.ly/9AYY30bop8t @AcadMedJournal #meded



Learner, Patient, and Supervisor Features Are Asso...

Purpose: Cognitive load theory, focusing on limits of the working memory, is relevant to medical education; however, factors associated with cognitive load durin...

journals.lww.com









ATS Med Ed Section @ATSMedEd · Apr 28

Want more info on med ed offerings at the upcoming ATS meeting? Check out our Conference Roadmap Podcast at bit.ly/2oTFqTi #meded

4







ATS Med Ed Section @ATSMedEd · Apr 24

Don't forget! ATS Med Ed section meeting will be 5/23 @4:30pm at the Renaissance Hotel. See you there! bit.ly/2ooJLBN

4







Goals for the Next Year

- Main Goal: to develop into an interactive hub for medical educators to collaborate and share resources
 - Increase regularity/frequency of featured article blog
 - Increase Twitter presence
 - Add Facebook page
 - Grow collection of medical education links and resources

How You Can Become Involved

- Share ideas for resources to add to the website
 - New content, helpful links, etc
- Be a featured article blogger
- Tweet for SoME

If interested, please email: ljhinkle@iu.edu



Section Updates

- Becoming an Assembly
- Planning
- Programming
- Communication
- Webinars- Garth Garrison
- Podcasts
- Mentoring Efforts
- Working Group Formation

Four webinars during 2016/17

- 1) The Art of Asking Questions: This is not your average quiz show
 - Richard M. Schwartzstein, MD, Molly Hayes, MD
 - July 26, 2016
- 2) Critical Care Ultrasound Training: Past, Present, and Future
 - Deepak Pradhan, MD, Rosemary Adamson, MBBS
 - Panel: Mark Adelman, MD, Robert Arntfeld, MD,
 Daniel A. Lichtenstein, MD, Paul Mayo, MD
 - September 22, 2016

Four webinars during 2016/17

- 3) 2017 Update: Preparing Effective Poster and Slide Presentations for National Meetings
 - Alan Morris, MD
 - April 14, 2017
- 4) Creating an Effective Curriculum A Practical Approach
 - Neal Chaisson, MD, Cecile M Foshe, PhD
 - April 26th, 2017

Webinar	clicked link	registered	attended
Asking questions	1155	210	78
Ultrasound	2182	295	146
Poster prep	476	125	42
Curricula	1224	147	63

Thoughts on moving forward

- Keep balance of "teacher" vs "educator" targeted content
- Look for innovative ways to engage audience through the platform
- Better utilization of the webinar interest group
 - Post-webinar group evaluation/discussion?
 - Regular conference calls?
- Increase participation from members outside US
- Use prior content with new content to create mini-"courses" or groups



Section Updates

- Becoming an Assembly
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- Communication
- Webinars
- Podcasts –Rosemary Adamson/Deepak Pradhan
- Mentoring Efforts
- Working Group Formation

International Conference Programming

Podcasts

Topics:

Interviews with article authors.
Interviews with med ed experts.
Teaching tips.

Why podcast?

Talk to an expert.

Learn a topic really well.

Try out a new teaching format.

Interested? Contact: Deepak.Pradhan@nyumc.org

Section Updates

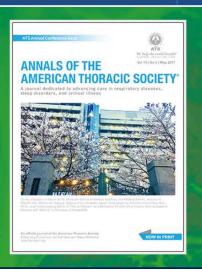
- Becoming an Assembly
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- Mentoring Efforts- Jared Chiarchiaro
- Working Group Formation

Mentoring



Annals of ATS

AJRCCM AJRCMB AnnalsATS Conf Abstracts CME



Annals of the American Thoracic Society

Delivers up-to-date and authoritative coverage of adult and pediatric pulmonary and respiratory sleep medicine and adult medical critical care.

Section Updates

- Becoming an Assembly
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- Working Group Formation
 - Educational Research- Graham Carlos
 - Undergraduate Medical Education- Snigdha Jain



Educational Research Working Group





Educational Research Working Group





GOALS & OBJECTIVES

Inspire collaboration BSHSR/Jr. Faculty

Create innovative educational strategies

Get SoME!

Equip educators worldwide

Engage entire society

Plan

Educational research ideas and recruitment

Study

Grounded in best practices for med-ed research

Impact

• Translational research: *classroom* → bedside

horacic Society

RESEARCH STUDIES IN DEVELOPMENT:

- Santhosh L, Carlos WG. Who Owns the Airway? Impact of Critical Care Airway Management Differences on Fellowship Recruitment, Training, and Credentialing
- Tatem G.... Bosslet G. Multicenter evaluation of behavioral interviewing techniques for selection of postgraduate medical trainees.
- 3. Heath J....Clay A. Milestones → EPAs -- do they work in fellowship training?
- 4. Coruh, B -- Leadership Development for Fellows
- 5. Hayes, M....Schwartzstein R. Shapiro Institute -- A "Lab" for Medical Education

RESEARCH STUDY IDEAS:

- 1. Santhosh L, Lyons P, Rojas JC. Transitions of Care from the ICU.
- Adamson, R -- Assessment Validity, POC US
- 3. Schwartzstein R. -- Educational Handoffs
- 4. Clay/Carlos -- Bedside teaching
- 5. Carlos/Heath -- Teaching to avoid racial/gender bias in assessment

ASSEMBLY PROJECT IDEAS:

- 1. Database for educational research outcomes (national)
- 2. Statement on Educational Research Best Practices for the ATS
- Best Practices in Education for Sessions/Posters at the ICU

https://docs.google.com/document/d/1DF7caQu069yDNa0Skn3xMKvUGidh05GBr9PvdcfuKJ0/edit



First Conference Call:

June 2017

- * brainstorm
- * review projects
- * assign roles

Section Updates

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UME Working Group





GOAL

- Collaboration
 - Pre-clinical
 - Clinical educators

Enhance education of students

OBJECTIVES

Define:

- Curricula
- Expectations
- Outcomes

Share instructional methods

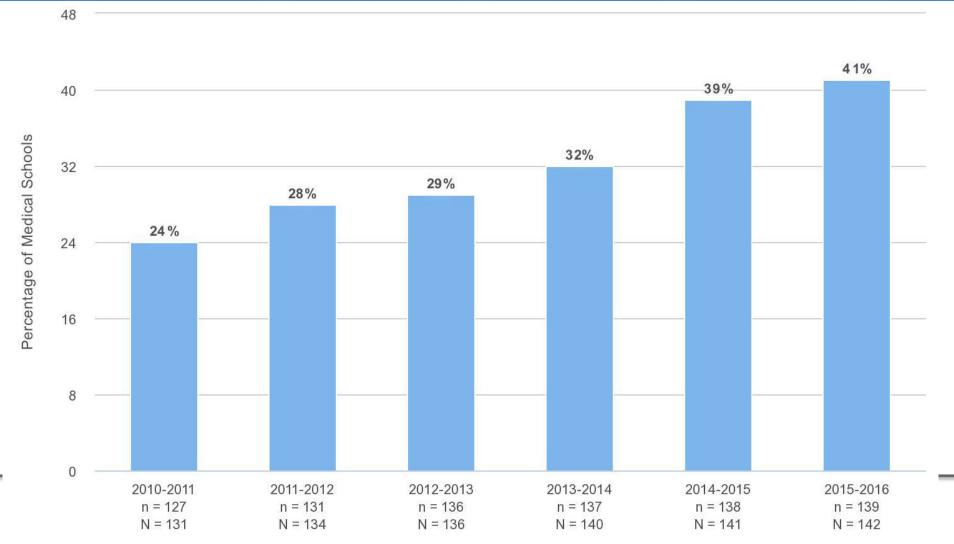
Develop educational content

Enhance UME Education



Defining Curricula & Expectations

Percentage of medical schools with separate required clerkships by discipline: critical care



?IC MEETING



CURRICULA

?Buy in from other societies:





OUTCOME ASSESSMENT

- Multi- institutional research study
- Collaborate w/ educational research group
- "Define key observable skills for students on CC rotations and outcomes for students who complete"

INSTRUCTIONAL METHODS

How to develop concept videos?

- How to 'flip' a classroom?
- Lung Lab combining physiology and pathology

WEBINARS

EDUCATIONAL CONTENT

- Core clinical concept series
 - acid base analysis
 - ventilator mechanics

Physiology in practice

BLOGS WEBINARS



Undergraduate Medical Education Working Group

Idea	In the foreseeable future	Interested Members
PD-48600-56000000000000000000000000000000000	† M{}€5	
		Andy Luks, Alison Clay
	JAKSJM ↔ CO+CO	Andy Luks, Alison Clay
		Anupam Kumar, Alison Clay
Lung Lab: Combining physiology and pathology	Webinar	Sumit Bhargava
Determine key observable skills for students in CC rotations and outcomes for students who	Collaborative Project	Alison Clay

AMERICAN THORACIC SOCIETY



International Conference Programming

Rosemary Adamson, MB BS, & Jeremy Richards, MD, MA



Programming

- KeyNote Address Names
- MedEd Workshops
- Sunrise/Sunset Sessions
- Meet the Professor
- Symposia

International Conference Programming

IC session types

Sunrise seminars: 60 min, ≤assistant prof

Meet the prof: 60 min, midday, <u>></u>associate prof

Workshops: 90 min, midday

Scientific symposia: 120 min, hard to get

accepted

International Conference Programming

IC session: criteria for acceptance

Diversity: presenters & content (gender, nationalities)

Wide appeal: support from multiple assemblies and/or committees

Originality: creative content & organization is desirable

Clear utility beyond SoME: sessions that are clearly broadly valuable are a priority



International Conference Programming

If interested add to the google doc:

https://goo.gl/61iMM5

Or contact us:

adamsonr@uw.edu

jeremyrichardsmd@gmail.com



International Conference Programming

Brainstorming for ATS 2018

Timeline is <u>tight</u> – submissions due July 2017

Review of preliminary proposals & Identify opportunities to collaborate

New ideas for proposals for ATS 2018?