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Respiratory Cell and Molecular Biology

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MESSAGE FROM THE ASSEMBLY CHAIR

Dear RCMB friends,

It is the time to get excited about the International Conference in May and I would like to highlight the initiatives and activities of our RCMB Assembly during the past year.

As you know, the RCMB Assembly is the home for MD and PhD researchers and trainees who study cellular and molecular and systems biology of lung cell function through development, health, aging and disease with specific focus on translational lung biology. Use the Assembly structure as portal to the complex and comprehensive ATS structure, and as platform to communicate with peers who share similar interests, to present your scientific achievements and learn new ideas, to mentor and be mentored by colleagues who reside in different parts of the world, and to find opportunities for service and career advancement.

At RCMB, we strive to develop programs and initiatives designed to address the needs of our memberships, to look for new ways to disseminate the exciting progress in respiratory cell and molecular and systems biology, and to provide education and mentoring to trainees and junior faculty focusing on research.

As in the past, your executive committee continued our efforts to create a sense of community among our members, to make RCMB really our scientific home with innovative and exciting programs.

- **Patty Lee** and **Lisa Young** have done a phenomenal job as respective chair and chair elect of the Program Committee. They and our tireless Program Committee members were faced with an ever increasing number of scientific abstracts which have been skillfully programed in coordinated effort with program chairs of sister assemblies.
- **Maor Sauler** directed the website committee which continued to organize well received journal clubs of impactful or controversial recently published manuscripts. They have also embarked in collaborations with the Red Journal to improve content and value to our membership.
- **Scott Randell**, took charge of planning the activities of the Science and Innovation Center and represented RCMB on the PhD Committee, together with **Karen Ridge** to improve the experience of PhD and other non-clinicians at ATS. I am convinced you will be pleased of the offerings of the SIC! Please let us know about your experience.
- **Oliver Eickleberg** skillfully led the **Planning Committee** in reviewing projects and proposals to advance the assembly's mission in the years to come. As Oliver's tenure is coming to an end, I am pleased to announce that **Jeffery Horowitz** has accepted to take over leadership of this important committee for next year.
- **Naftali Kaminski**, our immediate past assembly chair, passed the baton to **Martin Kolb** as leader of the **Nominating Committee**, in charge of identifying outstanding members to represent our assembly in the future.

(Continued on page 2)



Irina Petrache, MD

MESSAGE FROM THE ASSEMBLY CHAIR (*Continued*)

- Our previous **working groups** led by **Russell Bowler and Christine Wendt** (Proteomics and Metabolomics) **Robert J. Freishtat** (Stem Cell), **Scott Budinger** (Lung Aging) have successfully completed their proposed goals and have sunset this year. We thank them for their valuable work representing our assembly and thank the ATS for their support. Please submit new proposals for ideas of new working groups for our assembly!
- Our remaining active working group, for **Early Career Professionals** has been very active and creative in supporting our junior members, being led by **Rebecca Keith** and **Clemente Britto-Leon**. They have organized -with AII- a combined assembly reception, geared towards junior members. This team work stimulated many to donate to support this initiative (thank you!). In the same spirit of caring for the new generation, we continued to benefit from the appointment of a junior faculty ad hoc member of the executive committee, **Francesca Polverini**. Please read below the Early Career Professionals report to learn about their new initiative to honor and celebrate our successful early scientists!

I hope that the updates from our committees and working groups below will stimulate your participation in our assembly, starting with attending our business meeting at the Conference where you will learn about new initiatives, mingle with other members, sign up for working with the Assembly, learn about the ATS from the officers and editors of our journals. Not in the least, you will hear from your next assembly chair, Melanie Koenigshoff, who will take the baton from me at the end of the meeting. It has been an absolute honor to represent you as RCMB Assembly chair for the past two years and I am grateful for your support, as well the hard work of all the members (current and past) of the executive committee, and especially the ATS staff!

Enjoy the newsletter content and see you all in May at the International Conference in San Diego. Please do not hesitate to contact me with any comments or suggestions (Petrachel@NJHealth.org, twitter handle [@IrinaPetracheMD](https://twitter.com/IrinaPetracheMD)).

PROGRAM COMMITTEE REPORT

Patty Lee, MD, Chair and Lisa R. Young, MD, Chair-Elect

The annual American Thoracic Society meeting is one of the highlights of the academic year for the members of the RCMB and other ATS assemblies. It is the goal of the RCMB Program Committee to help bring cutting edge basic and translational science to our membership.

The Program Committee membership was expanded in 2017, now comprising 40 members from around the world who have worked with tremendous dedication to build a diverse and exciting program for ATS 2018. Every year the Program Committee reviews, grades, collates and develops all of Scientific Symposia, Poster-discussion and Thematic abstract sessions, Post-graduate courses, Meet the Professor sessions, Workshops and Sunrise Seminars. To promote interactions and synergy across assemblies, we also work closely with colleagues in other assemblies including AII, RSF, EOPH, and PEDS.

The committee's work began last summer, reviewing the many excellent proposals for scientific symposia (29), sunrise seminars (2), meet the professor seminars (1), and postgraduate courses (1). Ultimately, we were able to program 5 RCMB major symposia, with an additional 4 symposia shared jointly with other assemblies. At the 2018 conference, the RCMB is sponsoring 1 Meet the Professor session, 2 Sunrise Seminars, and 1 Hands-on Post Graduate Course. This year's "Basic Science Core Topic" is Mitochondria as Drivers of Chronic Lung Disease, and RCMB was also fortunate to program the "Scientific Breakthrough Session" entitled 'Cell Function, Fate, and Fitness: Role of Mitochondria.' RCMB received numerous, high quality proposals related to the basic science core topic, most of which were successfully programmed.

This year RCMB received 709 abstract submissions, a number similar to the tally for the 2017 conference. These abstracts were programmed into 5 Mini Symposia, 7 Poster Discussion Sessions, and 12 Thematic Poster Sessions. Based on the positive feedback from the 2017 conference, all the 2018 Poster Discussion sessions will be conducted in the RAPiD format. In advance of the conference, presenters in these sessions will submit one summary powerpoint slide to their session chairs. In addition to open poster viewing, the poster presenters will have the opportunity to present a 1-minute summary of their work.

Over 100 colleagues have agreed to help in chairing sessions, serving as featured speakers, or as facilitators at this year's thematic poster sessions. Our goals were to partner junior and more established colleagues in most sessions, with broad international representation. We encourage you to be part of shaping the RCMB Program for 2019. The call for proposals for Scientific Symposia, PG courses, Sunrise Seminars and Meet the Professor Sessions for ATS 2019 begins in June 2018. Now is the time to start working with your colleagues to develop ideas for the 2019 program. The Program chairs and committee are always available and happy to offer suggestions before final submission.

New members for the Program Committee and new chairs and facilitators for the sessions are important to sustaining a vibrant and inclusive ATS meeting, and we welcome contributions from enthusiastic members. The Program committee for 2018-19 has been finalized but there are approximately 10 new positions available every year. If you are interested in joining the committee for next year, please contact the incoming chair, Lisa Young (lisa.young@vanderbilt.edu), who will maintain a list of interested individuals.

Lastly, we would like to thank the Program Committee Members and the ATS-IC staff. We especially appreciated the patience, expertise, experience, guidance, and dedication of ATS-IC staff!

ATS 2018 - SAN DIEGO, CA

SESSIONS SPONSORED BY THE ASSEMBLY ON RESPIRATORY CELL AND MOLECULAR BIOLOGY

Session Code	Session Title	Session Time	
Postgraduate Courses			
Friday, May 18, 2018			
PG14	ARE YOUR MITOCHONDRIA HAPPY? A BEGINNERS GUIDE TO ASSESSING MITOCHONDRIAL FUNCTION AT THE BENCH	8:00 AM	4:00 PM
Scientific Symposium			
Sunday, May 20, 2018			
A5	SETTING THE STAGE: MITOCHONDRIAL DYSFUNCTION AS A DRIVER OF CHRONIC DISEASE	9:15 AM	11:15 AM
A6	GLYCOBIOLOGY AND GLYCOMICS OF LUNG DISEASES	9:15 AM	11:15 AM
A85	MITOCHONDRIAL DYSFUNCTION AND REPROGRAMMING IN LUNG AGING AND DISEASE	2:15 PM	4:15 PM
Monday, May 21, 2018			
B5	MITOCHONDRIA AND NUCLEAR-DERIVED DANGER-ASSOCIATED MOLECULAR PATTERNS (DAMPS) IN PULMONARY DISEASES	9:15 AM	11:15 AM
Tuesday, May 22, 2018			
C6	COPD PROGRESSION: CULPRITS AND MODIFIERS	9:15 AM	11:15 AM
C86	RISE AND ALIGN! INTEGRATING MULTI-OMICS TECHNOLOGIES	2:15 PM	4:15 PM
Wednesday, May 23, 2018			
D87	TO EACH ITS OWN: SINGLE CELL MRNA SEQUENCING IN LUNG DEVELOPMENT AND DISEASE	1:30 PM	3:30 PM
Jointly-Developed Symposium			
Sunday, May 20, 2018			
A12	FROM SPANISH FLU OF 1918 TO TODAY: WHAT CAN WE LEARN FROM VIRUSES?	9:15 AM	11:15 AM
A86	ATS MYTHBUSTERS: BIOENGINEERING APPROACHES WILL REVOLUTIONIZE RESPIRATORY MEDICINE IN THE NEXT TEN YEARS	2:15 PM	4:15 PM
Monday, May 21, 2018			
B91	AT THE INTERFACE OF ENGINEERING AND RESPIRATORY MEDICINE: UPDATES AND APPLICATIONS	2:15 PM	4:15 PM
Tuesday, May 22, 2018			
C85	SCIENTIFIC BREAKTHROUGHS: CELL FUNCTION, FATE AND FITNESS: ROLE OF MITOCHONDRIA	2:15 PM	4:15 PM
C91	HUMAN LUNG DEVELOPMENT: NEW TOOLS AND THERAPEUTIC STRATEGIES	2:15 PM	4:15 PM
Sunrise Seminars			
Monday, May 21, 2018			
SS115	THE MITOCHONDRIAL BIOLOGIST'S TOOLBOX: ALL YOU NEED TO STUDY MITOCHONDRIA IN THE LUNG	7:00 AM	8:00 AM
Wednesday, May 23, 2018			
SS315	ORGANS-ON-CHIPS FOR THE LUNGS: ADVANCED MICROPHYSIOLOGICAL SYSTEMS FOR BIOMARKER DISCOVERY AND DRUG DEVELOPMENT	7:00 AM	8:00 AM

Session Code	Session Title	Session Time	
Meet The Professor Seminars			
Sunday, May 20, 2018			
MP411	TIPS FOR LEADING A PULMONARY DIVISION, A DEPARTMENT OF MEDICINE AND BEYOND	12:15 PM	1:15 PM
Tuesday, May 22, 2018			
MP612	THE STEM CELL NICHE: APPLICATIONS IN PULMONARY DISEASES	12:15 PM	1:15 PM
Mini-Symposium			
Sunday, May 20, 2018			
A96	THE STEM AND PROGENITOR CELL NICHES AS THERAPEUTIC TARGETS	2:15PM	4:15 PM
A97	RE-DEFINING ALI PATHOGENESIS	2:15PM	4:15 PM
Monday, May 21, 2018			
B98	VASCULAR BASIS OF SEVERE LUNG DISEASE	2:15 PM	4:15 PM
Wednesday, May 23, 2018			
D18	THE EPI (THELIAL) CENTER IN LUNG DISEASE	9:15 AM	11:15 AM
D97	IF YOU LOVE IT, LET IT GO: EXOSOMES AND SECRETOMES	1:30 PM	3:30 PM
RAPiD Rapid Abstract Poster Discussion Sessions			
Sunday, May 20, 2018			
A28	ADVANCES IN COPD AND ASTHMA	9:15 AM	11:15 AM
A109	NOVEL EXPERIMENTAL MODELS AND APPROACHES IN LUNG BIOLOGY	2:15 PM	4:15 PM
Monday, May 21, 2018			
B28	CELL AND MATRIX MICROENVIRONMENTS MODULATE LUNG DISEASE	9:15 AM	11:15 AM
B107	MECHANISTIC ADVANCES IN PULMONARY FIBROSIS	2:15 PM	4:15 PM
Tuesday, May 22, 2018			
C28	ROLE OF CELLULAR CROSS TALK IN LUNG HOMEOSTASIS AND AGING	9:15 AM	11:15 AM
Wednesday, May 23, 2018			
D27	REDOX AND BEYOND: MITOCHONDRIA, ER STRESS, AND PROTEASOMES	9:15 AM	11:15 AM
D109	NEW PLAYERS IN LUNG INJURY AND REPAIR	1:30 PM	3:30 PM
Thematic Poster Sessions			
Sunday, May 20, 2018			
A68	MOLECULAR DETERMINANTS OF REMODELING IN LUNG FIBROSIS	9:15 AM	4:15 PM
A69	NOVEL SIGNALING CASCADES IN LUNG INJURY, INFLAMMATION, AND REPAIR	9:15 AM	4:15 PM
A70	ENVIRONMENTAL STRESSORS, GASES, AND HOST RESPONSES	9:15 AM	4:15 PM
A71	THE EPIGENOME, GENOME AND NON-CODING RNAs IN LUNG DISEASE	9:15 AM	4:15 PM
Monday, May 21, 2018			
B61	EPITHELIAL CELL BIOLOGY IN RESPIRATORY DISEASE	9:15 AM	4:15 PM
B62	LUNG CYTOPROTECTION AND IMMUNITY DURING INFECTIONS	9:15 AM	4:15 PM
B63	INFLAMMATION AND CELLULAR RESPONSES IN CYSTIC FIBROSIS	9:15 AM	4:15 PM
Tuesday, May 22, 2018			
C72	PULMONARY FIBROSIS: MECHANISMS AND MODELS	9:15 AM	4:15 PM
C73	FIBROBLAST BIOLOGY	9:15 AM	4:15 PM
Wednesday, May 23, 2018			
D52	DECONSTRUCTING TUMORS AND MALIGNANCIES	9:15 AM	3:30 PM
D53	OFF THE BEATEN PATH: NEW APPROACHES TO COPD PATHOGENESIS	9:15 AM	3:30 PM

Session	Session Title	Session Time	
Thematic Poster Sessions			
Wednesday, May 23, 2018			
D54	INTERPLAY OF DIVERSE CELLULAR AND MOLECULAR PATHWAYS IN ASTHMA AND AIRWAY DISEASE	9:15 AM	3:30 PM
ATS 2018 INTERNATIONAL CONFERENCE ADDITIONAL SESSIONS OF INTEREST TO RCMB ASSEMBLY			
Postgraduate Courses			
Friday, May 18, 2018			
PG11	GENETIC PULMONARY MEDICINE	8:00 AM	4:00 PM
PG12	PEDIATRIC RESPIRATORY PHYSIOLOGY: TESTS OF LUNG FUNCTION AND DISEASES THEY TEST FOR	8:00 AM	4:00 PM
Saturday, May 19, 2018			
PG17	STUDYING PHARMACOGENOMICS IN LUNG DISEASE AND CRITICAL ILLNESS	8:00 AM	4:00 PM
Scientific Symposium			
Sunday, May 20, 2018			
A5	SETTING THE STAGE: MITOCHONDRIAL DYSFUNCTION AS A DRIVER OF CHRONIC DISEASE	9:15AM	11:15 AM
A7	LEVERAGING MOLECULAR MECHANISMS OF GRANULOMA FORMATION IN SARCOIDOSIS TO IMPROVE CARE	9:15AM	11:15 AM
A9	ACCELERATING SCIENTIFIC ADVANCEMENT OF RARE PEDIATRIC LUNG DISEASES	9:15AM	11:15 AM
A10	PATHOBIOLOGY OF AGE-RELATED LUNG DISEASE: FROM BENCH TO BEDSIDE	9:15AM	11:15 AM
A11	ATS/JRS/CTS/ERS SYMPOSIUM ON SEVERE ASTHMA: RATIONALIZING TARGETED THERAPEUTICS	9:15AM	11:15 AM
A85	MITOCHONDRIAL DYSFUNCTION AND REPROGRAMMING IN LUNG AGING AND DISEASE	2:15 PM	4:15 PM
A87	MECHANISMS OF PERSISTENT ORGAN DYSFUNCTION AFTER CRITICAL ILLNESS	2:15 PM	4:15 PM
Monday, May 21, 2018			
B7	GENETICS, EPIGENETICS, AND GENOMICS OF CHILDHOOD LUNG DISEASES	9:15AM	11:15 AM
B9	TH17 CELLS: FRIEND, FOE OR BOTH IN CHRONIC LUNG DISEASES	9:15AM	11:15 AM
B11	FROM E-CIGARETTES TO MARIJUANA: ADDICTION IN PULMONARY AND CRITICAL CARE MEDICINE	9:15AM	11:15 AM
B82	CONTROVERSIES IN THE DIAGNOSIS AND TREATMENT OF COPD	2:15 PM	4:15 PM
B85	IMMUNOMETABOLISM: THE COMPLEX INTERPLAY BETWEEN METABOLIC REPROGRAMMING AND IMMUNITY	2:15 PM	4:15 PM
B89	NOT JUST THE LUNGS: PAH AS A SYSTEMIC VASCULAR DISORDER	2:15 PM	4:15 PM
Tuesday, May 22, 2018			
C5	MITOCHONDRIA-TARGETED THERAPEUTICS FOR PREVENTING OR TREATING LUNG DISEASES	9:15AM	11:15 AM
Wednesday, May 23, 2018			
D2	UNDERSTANDING CHRONIC LUNG ALLOGRAFT DYSFUNCTION: UPDATE FROM THE BEDSIDE AND BENCH	9:15AM	11:15 AM
D5	MECHANOBIOLOGY IN THE AIRWAY ENVIRONMENT: FEEL THE FORCE	9:15AM	11:15 AM
D6	MANIPULATING INFLAMMATORY AND EPITHELIAL NETWORKS FOR PREVENTION AND TREATMENT OF LUNG CANCER	9:15AM	11:15 AM

Session	Session Title	Session Time	
Wednesday, May 23, 2018			
D7	FROM CANCER BIOLOGY TO NEW THERAPEUTICS: TARGETING CELL PROLIFERATION SIGNALING HUBS IN PULMONARY HYPERTENSION AND FIBROSIS	9:15AM	11:15 AM
D8	UNRAVELING THE MYSTERIES OF THE MITOCHONDRIA IN PULMONARY INFLAMMATION/INJURY	9:15AM	11:15 AM
Workshop Sessions			
Tuesday, May 22, 2018			
WS5	CAREER DEVELOPMENT WORKSHOP: SWIMMING IN THE SEA OF BIG DATA FOR	11:45 AM	1:15 PM

PLANNING COMMITTEE REPORT

Oliver Eickelberg, MD, Chair

The RCMB planning committee is largely involved in two tasks over the year: First, we review, grade, and discuss all project proposals that have been submitted in any fiscal year to the annual ATS call for Assembly/Committee project applications. This usually encompasses July through September. This year, we have been fortunate in that ATS funded four projects discussed in our committee in response to this call. The successful projects were the following: 1. Stem Cells, Cell Therapies, and Bioengineering in Lung Biology and Diseases: Official ATS Workshop Report (Darcy Wagner), 2. ATS Workshop on Improving the Quality and Reproducibility of Flow Cytometry in the Lung (Robert Tighe), 3. An Official Research Statement of the ATS and NHLBI: Current Status and Future Directions in Lung Precision Medicine Research (Ann Wu), and 4. High throughput sequencing in respiratory, critical care, and sleep medicine research (Craig Hersh). We look very forward to their outcomes in the near future.

The second task we are involved in is to review, grade and discuss the applications for the RCMB awards, which usually takes place during February and March. We had a great number of outstanding nominations for our two RCMB awards this year: the Carol Basbaum Award and the inaugural Andy Tager Award for Excellence in Mentoring. Our assembly is in great shape with respect to the caliber of nominations received and it has been a pleasure to review the outstanding talent represented in each nomination.

This concludes my tenure as chair of the RCMB Planning Committee. It has been a great pleasure and honor to serve our assembly, and I have had the pleasure of working with outstanding leaders in RCMB and superb committee members. Thank you all for the trust and fun over the past two years.

WEB COMMITTEE REPORT

Maor Sauler, MD, Director

As members of the RCMB assembly, we are part of a global community of pulmonologists, scientists, and researchers. The ability to share ideas with colleagues around the world is critical to achieving our mission of reducing the burden of lung disease. The goal of the RCMB website committee is to provide a virtual forum to facilitate scientific conversations and collaborations amongst RCMB members.

We have a strong social media presence, including an active twitter account with over 650 followers, ([@ATS_RCMB](#)). We have used this platform to share ideas important to RCMB members, frequently retweeting links to new articles that we believe are of interest to our members. To complement this year's "Basic Science Core Topic," we have had a month of retweeting links to research articles and reviews related to mitochondrial biology with a particular emphasis on those written by RCMB members.

The RCMB website committee continues to organize Journal Club (JC) discussions and identify articles of interest, presenting authors, and invited expert discussants including senior authors to participate in informal discussions. We have already had two outstanding and well attended journal clubs. Brian Southern hosted a journal club led by Dr. Hong Xia from the University of Minnesota, who presented the Journal of Clinical Investigation article "Calcium-binding protein S100A4 confers mesenchymal progenitor cell fibrogenicity in idiopathic pulmonary fibrosis." They were joined by senior discussants Drs. Craig Henke, Peter Bitterman, and Dr. Luis Ortiz. Dr. Amanda Tatler hosted a journal club with Dr. Kambez Benam who presented his article "Small airway-on-a-chip enables analysis of human lung inflammation and drug responses in vitro" published in Nature Methods. They were joined by discussion panelists Peter Barnes, Sally Wenzel, and Donna Davies. We also have journal clubs planned by new members: Dr. David Lagares, Dr. Paul Dieffenbach, and Dr. Karina Serban.

We have also organized podcasts with up and coming leaders in the field of respiratory biology. These podcasts can be found on the ATS website and on iTunes. This year, we have already been lucky enough to sit down and talk with Suzanne Cloonan who discussed lung mitochondrial biology, and Steven Huang, who discussed epigenetics and lung disease.

The RCMB website committee is a great way to get involved in ATS, particularly for junior folks, and we are looking to add members to our committee. Please contact me if you would like to participate, if you have an idea for a journal club or podcast, or if you have any other suggestions. My e-mail, maor.sauler@yale.edu.

EARLY CAREER PROFESSIONALS WORKING GROUP REPORT

Clemente J. Britto-Leon, MD and Rebecca Keith, MD, Chairs

The primary mission of the Early Career Professionals Working Group (ECPWG) is to increase involvement of fellows and junior faculty in the RCMB Assembly and ATS as a whole. We are a mix of junior faculty MDs and PhDs, comprised of both U.S. and international members helping junior members take full advantage of the resources available at the ATS international conference.

Every year, the ECPWG coordinates the **RCMB Mentoring Program** at the ATS International Conference (IC). The mentoring program provides opportunities to exchange ideas and experiences that support scientific collaboration, career development, and networking opportunities amongst our members in a welcoming one-on-one format. Our mentors help junior faculty explore available networking opportunities at key IC venues including the RCMB business meeting and reception. Help us increase visibility and participation in this important program. Your participation as mentor and or mentee is very valuable, please join us!

Continuing a tradition of collaboration with other assemblies, we are pleased to offer the **Fourth Annual Joint AII/RCMB Reception at ATS 2018**. We hope you will be able to join us for this event on Monday, May 21, 7 - 10 p.m. at the Manchester Grand Hyatt in San Diego. Tickets are available for purchase here: <https://www.xpressreg.net/register/THOR0518/landing.asp>. This reception provides an invaluable opportunity for young investigators to interact with senior members of both AII and RCMB in an informal environment.

As part of our mission to support the advancement of early career professionals, we are thrilled to announce the **creation of the Recognition for Early Academic Achievement (REAAch) Award**. This award aims to highlight the academic progress and to increase the recognition of members of the assembly at the Instructor and Assistant Professor level. We welcome your applications for the first class of this award due by April 15th, 2018. To apply, please visit: <https://www.thoracic.org/members/assemblies/about/assembly-awards/rcmb-reaach-award.php>

The ECPWG strives to ensure that junior members make the most of their experience as members of the assembly. Looking forward to ATS 2018, we made improvements to the Science and Innovation Center (SIC), and worked with the Members in Training and Transition Committee (MITT) to develop programming relevant to our members. Please look for our **RCMB picks** incorporated into the MITT roadmap. This selection highlights seminars and events of interest to early career professionals within RCMB. We also prepared **RCMB Roadmap and New Member cards** to guide fellows and junior faculty to key events in the SIC and the IC. Grab a copy at the SIC or print your own from upcoming RCMB ATS 2018 updates.

We are always looking to add qualified individuals to enrich our group. Please contact us if you are interested in participating (clemente.britto@yale.edu). We look forward to welcoming you to ATS 2018 and hope to see you at the fourth annual Joint reception.

SCIENCE & INNOVATION CENTER

The SCIENCE & INNOVATION CENTER at ATS 2018 will be a dynamic forum for folks to meet, network, learn, and rest. Look for the flyer and other promotional materials for the full schedule, but highlights include “101” science presentations on the hottest topics in lung research, recognition of work by outstanding “Rising Star” investigators, and an opportunity to meet and greet helpful NIH officials. A complimentary light breakfast is served each day at 7 am, with refreshments available at noon and an informal networking and rest area all day. Don't miss the Coffee Corner for Early Career Professionals on Tuesday, May 22nd at 7:15 - 8:00am, and this year there will be a special reception for PhDs and other ATS members principally involved in research on Sunday, May 20th beginning at 3:30pm. See you there!

***Assembly on Respiratory Cell and Molecular Biology
Membership Meeting***

Monday, May 21st

4:30pm-7:00pm

Manchester Grand Hyatt San Diego

Harbor Ballroom A-B-C

Second Level - Harbor Tower

***Respiratory Cell and Molecular Biology and
Allergy, Immunology and Inflammation
Joint Reception***

Monday, May 21st

7:00pm-10:00pm

Manchester Grand Hyatt San Diego

Harbor Ballroom D-E-F

Second Level - Harbor Tower



Be sure to follow us at [@ATS_Assemblies](#) for news on webinars, deadlines, and other things you might have missed in your inbox!



Assembly Mentoring Programs' Meeting Spot

Struggling to find a quiet location to meet with your mentor? Look no further! This year at the 2018 ATS International Conference in San Diego, CA, the Assembly Mentoring Programs is offering a meeting spot exclusively for mentors and mentee to meet.

The Assembly Mentoring Programs' Meeting Spot will be located at the Manchester Grand Hyatt in the Balboa A room on the Second Level in the Seaport Tower. The room will be available:
Sunday May 20th – Tuesday May 22nd, 2018 from 7 a.m. to 7 p.m.

Light snacks and beverages will be offered throughout the day. Laptops and printers will be made available for use and don't forget to pick up your Assembly Mentoring Program Ribbon and Pin!

We hope you can join us at the Assembly Mentoring Program's Meeting spot!

Interested in joining a mentoring program? Visit our Assemblies homepage and click on ATS Mentoring Program to learn more or contact Melinda Garcia at mgarcia@thoracic.org

Submit an Assembly/Committee Project Application for funding in FY2019!

We are happy to announce that ATS will once again accept NEW Assembly/Committee Projects for FY2019. All interested applicants should begin developing their ideas for Assembly/Committee Project Applications. Applications will be available on the ATS website at www.thoracic.org.

Please consider submitting an application for an Assembly/Committee project. If you have a suggestion for a project application and you need assistance, please contact your Assembly Planning Committee Chair XXXX Oliver Eickelberg, MD, ATSF at oliver.eickelberg@ucdenver.edu.

For questions regarding submissions please contact Miriam Rodriguez at tel: (212) 315-8639 or email: mrodriguez@thoracic.org.

Best of ATS Video Lecture Series (BAVLS)

Do you have an amazing teaching video that you want to share with the world? Then consider submitting to the Best of ATS Video Lecture Series (BAVLS). For more information, please visit: <https://www.thoracic.org/professionals/clinical-resources/video-lecture-series/index.php>

2nd Annual ATS Walking Challenge

Walk for a good cause! Track steps and stay active with the Second Annual ATS Walking Challenge. For every participant who walks 30,000 steps TEVA Respiratory will make a donation of \$100 to the ATS Foundation, for a total maximum donation of \$50,000. Remember – 100% of all donations to the ATS Foundation fund new research awards. [Click here](#) for more details.

Invitation to Join ATS Signature Global Health Program: Methods in Epidemiologic, Clinical and Operations Research (MECOR)

Loyal to its tagline, the American Thoracic Society helps the world breathe; the ATS has been working to build research capacity in low- and middle-income countries through its Methods in Epidemiologic, Clinical, and Operations Research (MECOR) program for 25 years. This intensive course for physicians and related health care professionals increases capacity and leadership in pulmonary, critical care, and sleep medicine research beyond its US borders and US membership.

This spring, the ATS launched MECOR 2.0, which includes a ground-up redesign of the curriculum, course organization, and faculty/mentorship offerings. The updated program capitalizes and builds upon the program's extensive experience and expertise. The curriculum utilizes a "flipped classroom" teaching model with seminar style classroom sessions and a focus on one to one instruction with a learning management system for students, faculty, and alumni (CANVAS).

Since its initiation in 1994, the scope of the ATS MECOR program has grown tremendously. Today, its footprint is truly global with more than 1800 graduates from its global network of courses. Courses and partners include in **Africa**, the Pan African Thoracic, in **China**, the Chinese Thoracic Society, in **India**, the US Centers for Disease Control and the Indian Council for Medical Research, in **Indonesia**, the Indonesian Society for Respiriology, in the **Mediterranean**, the Turkish Thoracic Society, in **Latin American** the Latin American Thoracic Society, and in **Southeast Asia**, the Vietnamese National TB Program and the University of Sydney.

To join the ATS MECOR program as a faculty member or mentor, please use the link below to complete an application. For more information on the ATS MECOR Program, please go to the ATS website at:

[ATS MECOR Program](#)

[ATS MECOR Faculty Application](#)

Official ATS Documents: Informational Opportunities at the 2018 ATS International Conference in San Diego

If you're developing or interested in developing an Official ATS Document (Clinical Practice Guidelines, Policy Statements, Research Statements, Workshop Reports, or Technical Statements), please consider attending one or more of these opportunities while you are in San Diego at the ATS International Conference:

- **Documents Development & Implementation Committee (DDIC) Workshop/Meeting:** Friday, May 18th from 6-9 PM, Manchester Grand Hyatt, Golden Hill AB (Seaport Tower, 3rd Level). This session is required for all Guideline Panel Chairs and Chairs of new non-guideline projects. It is also recommended for Chairs of ongoing non-guideline projects. Anyone who is interested in Official ATS Documents is welcome to attend. Please RSVP to John Harmon at jharmon@thoracic.org if you have not already done so. A light dinner will be served.
 - ⇒ 6-7 PM – Presentations by DDIC members about the Official Document types, methodological requirements for each, and other practical issues (e.g., conflict of interest management, review, and approval)
 - ⇒ 7-9 PM – Current Guideline Chairs (or their designees) will give progress reports and then troubleshoot informally with DDIC members and ATS staff. New Guideline Chairs will have the opportunity to listen to these reports and learn about the "trials and tribulations" of guideline development from experienced peers.
- **Ad Hoc meetings:** Whether you are developing or want to develop an official ATS document, you can schedule an appointment to discuss your idea with Dr. Kevin Wilson (ATS Documents Editor) or Dr. Jan Brozek (ATS Methodologist). To schedule a meeting, email Kevin Wilson at kwilson@thoracic.org or Jan Brozek at brozekj@mcmaster.ca.
- **Documents Meeting Space:** Meeting space will be available to document developers from Sunday-Wednesday. Contact Kimberly Lawrence at klawrence@thoracic.org for additional details.
- **Guideline Methodology Training Program Information Session:** Monday, May 21st from 7-8:30 PM, Manchester Grand Hyatt, Hillcrest AB (Seaport Tower, 3rd Level). The guideline methodology training program provides mentored training in the skills necessary to serve as a lead methodologist for a clinical practice guideline project. Anyone who is interested in learning more about the training program is welcome to attend. A brief description of the program will be provided, followed by time for questions and answers. A light dinner will be served. RSVP to kwilson@thoracic.org is required. Space is limited.
- **Meet the Professors:** A Meet the Professors Session entitled "Official ATS Documents: How to Get Involved" is being hosted by Dr. Raed Dweik (Chair of the Documents Development and Implementation Committee) and Dr. Kevin Wilson (ATS Documents Editor) on Tuesday, May 22nd from 12:15-1:15pm. Registration is available through the Conference Registration Website.

ATS 2018 SCIENCE & INNOVATION CENTER

San Diego Convention Center | Sails Pavilion (Upper Level)

The Science & Innovation Center is a forum for scientists and researchers to meet, network, learn, and rest. The Science & Innovation Center is organized by representatives of the Assembly on Allergy, Immunology and Inflammation (All), Pulmonary Infections and Tuberculosis (PI-TB), Respiratory Cell and Molecular Biology (RCMB), and Respiratory Structure and Function (RSF).

DAILY:

- + Complimentary breakfast served at 7 a.m.
- + Light refreshments served at noon
- + Informal networking & rest area all day

Sunday, May 20, 2018	Monday, May 21, 2018	Tuesday, May 22, 2018
<p>ATS 101 Series 7:15 - 8 a.m.</p> <p>Topic: iPSC: Innovation and Promise for Lung Disease</p> <p>Speaker: Amy Firth, PhD, University of South California</p>	<p>ATS 101 Series 7:15 - 8 a.m.</p> <p>Topic: Mass Cytometry (CyTOF) for Translational Lung Research</p> <p>Speaker: Jeffrey Atkinson, MD, Washington University in St. Louis</p>	<p>Early Career Professionals Coffee Corner 7:15 - 8 a.m.</p> <p>Meet representatives from Early Career Working groups from All, RCMB, RSF and PI-TB</p>
<p>ATS 101 Series 11:15 a.m. - 12 p.m.</p> <p>Topic: Pathogenesis of Pneumonia</p> <p>Speaker: Joseph P. Mizgerd, Sc.D., Boston University</p>	<p>ATS 101 Series 11:15 a.m. - 12 p.m.</p> <p>Topic: Mitochondria Biology</p> <p>Speaker: Navdeep Chandel, PhD, Northwestern University</p>	<p>Special Meet and Greet Session with NIH Officials 11:15 a.m. - 12 p.m.</p> <p>Topic: Meet and Greet with NHLBI Program Officers</p> <p>Speaker: Matt Craig, PhD Neil Aggarwal, MD, National Institutes of Health</p>
<p>Rising Stars 1:15 - 3 p.m.</p> <p>All Rising Stars: 1:15 - 2</p> <p>RCMB Rising Stars: 2 - 2:45</p>	<p>Rising Stars 1:15 - 3 p.m.</p> <p>PI-TB Rising Stars: 1:15 - 2</p> <p>RSF Rising Stars: 2 - 2:45</p>	<p>SIC Abstract Awards 1:15 - 3 p.m.</p> <p>All Abstract winner: 1:20 RCMB Abstract winner: 1:45 PI-TB Abstract winner: 2:10 RSF Abstract winner: 2:35</p>
<p>Reception for PhDs & Other Basic Science Researchers Sunday, May 20, 2018 3:30 - 5 p.m.</p>		



ATS 2018
Where today's science meets tomorrow's care™

San Diego, CA
May 18 - May 23, 2018
conference.thoracic.org

Physicians planning to take the ABIM critical care MOC assessment have a new resource to prepare for the exam: the ATS Review for the Critical Care Boards

The ATS Review for the Critical Care Boards and Questions Book provide an in-depth review of critical care topics that will be on the American Board of Internal Medicine Critical Care Medicine Certification examination. Chapters include:

- Renal, Endocrine and Metabolic Disorders
- Infectious Diseases
- Pharmacology and Toxicology
- Pulmonary Diseases
- Gastrointestinal Disorders
- Surgery, Trauma, and Transplantation
- Cardiovascular Disorders
- Neurologic Disorders
- Hematologic and Oncologic Disorders
- Ethics, Research and Administration

Learn more, order, and begin studying by [visiting](#) the ATS Store

Education Committee to offer Educational Consulting Office Hours during the 2018 International Conference

- Are you planning to submit a proposal for programming at the 2019 International Conference, but don't know where to start?
- Do you want to maximize your chances of having your Postgraduate Course Proposal programmed in 2019?
- Would you like to review feedback you received on a 2018 proposal that wasn't programmed?
- Would you like feedback on a presentation you're giving at this year's International Conference?

If you answered 'yes' to any of the above, stop by the Science and Innovation Center, where members of the Education Committee will be available to answer questions, no appointment necessary. Consulting will be offered on a first-come, first-served basis on:

Monday 5/21 from 10-11AM, 12-1 PM, and 3-4 PM
Tuesday 5/22 from 10-11AM, 12-1PM, and 3-4PM
Wednesday 5/23 from 10-11AM, and 12-1PM

Restoring Joy in Health Care Booth

What does burnout look like and how can we change things personally and professionally for the better?

Explore the **Restoring Joy in Health Care booth** (#904) to crowd source ways to improve the professional environment, get a chair massage or visit with a therapy dog to bring you back to center. Therapy dogs are in the booth from 11 a.m. to 2 p.m. each day.

Interactive booth in the Exhibit Hall (with puppies)
San Diego Convention Center
Hall C (Ground Level), Booth 904
May 20-22, 10:30 a.m. – 3:30 p.m.

Assembly Members: Help Us to Help You!

Have you:

- ◇ Moved?
- ◇ Changed your title?
- ◇ Added a new specialty, credential or other information?
- ◇ Or perhaps we just do not have a complete profile for you!

Please take a minute to update your contact information, assembly affiliations, and demographic profile today. And now you can also upload your PHOTO to your member profile!

Log in: <https://www.thoracic.org/login/ats-member-login.php>

By keeping your profile current, you help us provide programs and services that are most targeted to you.

Help Available for Assembly Members on Clinical and Research Ethics and Conflict Management

The ATS Ethics and Conflict of Interest Committee is a society-wide committee appointed by the ATS President to be a resource and contribute to ATS education on biomedical and organizational ethics. Its seventeen members are from many ATS assemblies and sections, and many have leadership roles in their institution's ethics committees, advanced degrees in medical or nursing ethics, and have published on related issues.

Assembly members are encouraged to use the committee for advice and help in developing programs, statements, and conference sessions relevant to clinical or research ethics or managing conflicts of interest (COI), as well as in dealing with the ethical issues you face in the workplace. In recent years, the committee developed ATS statements on Managing Conscientious Objections and Responding to Requests for Potentially Inappropriate Therapies, and produced podcasts on other topics that are available within the ATS Breathe Easy podcasts on the ATS website. It also oversees ATS management of COI. The Committee is chaired by David Chooljian, MD, JD. Questions and requests for help can go through the committee's staff member, Shane McDermott, at smcdermott@thoracic.org or 212-315-8650.

American Thoracic Society

ASSEMBLIES



Want to know how the ATS Assemblies and Committees really work?

Would you like to get more involved?

This is your chance! You can now register here to become more involved in the ATS Assemblies, ATS Committees or both. There are many ways to grow within ATS and the Assemblies and Committees are a great starting point.

www.thoracic.org/go/get-involved



We help the world breathe
PULMONARY • CRITICAL CARE • SLEEP

