

Assembly on Pulmonary Circulation (PC) Newsletter



Assembly Chair:
Tim Lahm, MD, ATSF
(lahmt@njhealth.org)

Assembly Officers

Mahendra Damarla, MD
Planning Chair
(mdamarl1@jhmi.edu)

Brian B. Graham, MD
Program Chair
(brian.graham@ucsf.edu)

Corey E. Ventetuolo, MD, MS
Assembly Chair-Elect
(corey_ventetuolo@brown.edu)

Anna Hemnes, MD, ATSF
Nominating Chair
(anna.r.hemnes@vumc.org)

Jarrold Wesley Barnes, PhD, MBA
Web Director
(barnesj5@uab.edu)

Assembly Contact

Website
(<https://www.thoracic.org/members/assemblies/assemblies/pc/index.php>)

Email: PC@thoracic.org

IN THIS ISSUE

| | |
|--------------------------------------|-------|
| Message from the Assembly Chair | 1-2 |
| Program Committee Report..... | 3-9 |
| Planning Committee Report..... | 9 |
| Web Committee Report..... | 9-10 |
| Early Career Professionals | 10 |
| Journal Club Committee Report..... | 10-11 |

Message from the Assembly Chair

Welcome to the Pulmonary Circulation (PC) Assembly and our Spring Newsletter! This newsletter is full of information about the Assembly and all of our accomplishments in the past year. I am thrilled that we can connect in person again for the first time since 2019 at our 2022 International Conference, which, as always, brings the very best opportunities to hear the latest in research, clinical care, education, and health care policy. I can't wait to see you all in person at our PC Membership Meeting on May 16 at 5 pm PT!

I would like to thank all the members of the Pulmonary Circulation Assembly that have supported the Assembly and the ATS over the last year by participating in the many online events, by contributing with abstract, program, and project submissions and reviews, and by participating in conference planning activities. In addition, a heartfelt thanks to everyone for their hard work on the clinical, research, education, and administration frontlines during the pandemic.

Our Program Committee Chair, Brian Graham and Chair-Elect, Corey Ventetuolo, have put together a truly tremendous program for our Assembly for the return to in-person Conference. I would like to thank them for their dedication and hard work! It is exciting to see that there are so many early career investigators help shape the important work of the Program Committee!

The Planning Committee, Chaired by Mahendra Damarla, was active reviewing Assembly project applications and Assembly award nominations. We are excited that - for the first time in years - Pulmonary Circulation will kick off a new Assembly project, which is focusing on lung endothelial cell biology.

As always, our Early Career Working Group headed by Rebecca Vanderpool has been tremendously busy this year. The group brought terrific online programming to our early career members and also to our social media accounts. I am excited about the apprentice program as an opportunity for more people to get to know how our Assembly and the ATS work.

The Journal Club committee led by Dan Lachant has organized several well attended journal clubs. I was impressed by the quality and impact of the science as well as the fantastic and insightful discussions. During times of virtual rather than in-person gatherings, these online activities provide much needed and much appreciated opportunities for our Assembly members to engage and connect with colleagues, exchange scientific ideas, and foster new collaborations.

Speaking of online content, Jarrod Barnes and the Web Committee have been keeping our website up to date and have been working on transitioning to an updated and modernized platform that will be coming soon. Please stay tuned to find out more about these upcoming changes.

I am happy to report that despite the burden and limitations of the pandemic, our Assembly has launched several new activities over the last year. First, we established a new Assembly award for investigators at the beginning of their careers. The *Outstanding Mentored Investigator Award* was created to recognize scientific achievements from ATS Pulmonary Circulation members that are early in their careers to encourage ongoing commitment to science. We will announce our first awardee at our PC Membership Meeting on May 16! Second, the Pulmonary Circulation Assembly is now overseeing the *ATS Early Career Investigator Award in Pulmonary Vascular Disease Program* (formerly known as “Entelligence”). We are thrilled to contribute to this important program and help train the next generation of scientists. Third, we are about to launch a working group for women in Pulmonary Circulation to foster scientific exchange and help with career development topics specific to female researchers. This important new Working Group will be led by Ke Yuan and Larissa Shimoda.

The PC Assembly serves as a home for trainees, early career investigators, and seasoned scientists and clinicians to receive mentorship, critical feedback, and opportunities to serve. It provides a forum to network with peers and connect with friends. We have worked to provide these opportunities virtually in the past year and are thrilled that we finally can go back to an in-person format for the 2022 International Conference. While many terrific things happen at the Conference, our goal is to serve our members and to provide relevant content throughout the year. Please get involved and engage with our Assembly through social media, through journal clubs and other online events, through submitting projects, through participation in committees, and, most importantly, through submitting your best science and ideas for presentation in 2023!

Tim Lahm, MD, ATSF
Assembly Chair

Assembly on Pulmonary Circulation (PC) Membership Meeting

Monday, May 16, 2022
5:00 pm - 7:00 pm
Building: Moscone Center West
Room:3006/3008
Floor: Level 3



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



Program Committee

Brian B. Graham, MD (Chair)
Corey E. Ventetuolo, MD, MS (Chair-Elect)

We are looking forward to an in-person meeting in San Francisco, May 13-18, 2022! We are appreciative of the 31 members of the Program Committee who reviewed 316 abstracts (248 scientific abstracts and 68 case reports) as well as 24 late-breaking abstracts. These numbers are up from 269 abstracts submitted to PC last year, but still lower than pre-pandemic numbers which had been about 500 each year for our assembly.

For the 2022 conference we have programmed:

- 4 scientific symposia, with additional contributions to 2 joint symposia
- 4 mini-symposia (9 oral abstracts in each)
- 1 rapid poster discussion session (15 abstracts)
- 4 standard poster discussion sessions (20-25 abstracts in each)

- 14 thematic poster sessions (11 focused on scientific abstracts, 3 with case reports)

We hope you can make it!

We also extended the 2021 virtual conference with 3 sessions in the fall of 2021 (2 mini-symposia, and 1 scientific symposium).

ATS 2022 International Conference Assembly on Pulmonary Circulation (PC) Sessions

| Session Code | Session Title | Session Type | Session Date | Session Start Time | Session End Time |
|--------------|--|---------------------------|--------------|--------------------|------------------|
| A27 | SOMA: SEX, METABOLISM, INFLAMMATION, AND IMMUNITY IN PULMONARY VASCULAR DISEASE | Poster Discussion Session | 5/15/2022 | 9:30 AM | 11:00 AM |
| A9 | EVERYTHING ON YOUR PULMONARY HYPERTENSION REGISTRY: FROM CLASSIFICATION TO OUTCOMES | Scientific Symposium | 5/15/2022 | 9:30 AM | 11:00 AM |
| A54 | BAYVIEW: PULMONARY EMBOLI | Thematic Poster Session | 5/15/2022 | 9:30 AM | 3:45 PM |
| A55 | TREASURE ISLAND: CASE REPORTS IN AVMS AND ECMO | Thematic Poster Session | 5/15/2022 | 9:30 AM | 3:45 PM |
| A56 | MISSION: CASE REPORTS IN THROMBOEMBOLIC DISEASE | Thematic Poster Session | 5/15/2022 | 9:30 AM | 3:45 PM |
| A57 | FILLMORE: CTED, CTEPH, AND COVID | Thematic Poster Session | 5/15/2022 | 9:30 AM | 3:45 PM |
| A96 | GIANTS STADIUM: TREATMENTS AND TRIALS IN PULMONARY HYPERTENSION | Mini Symposium | 5/15/2022 | 2:15 PM | 3:45 PM |
| B10 | TRANSLATIONAL APPROACHES AND VISUALIZATION OF DISEASE MECHANISMS IN PULMONARY HYPERTENSION | Scientific Symposium | 5/16/2022 | 9:30 AM | 11:00 AM |
| B51 | SUNSET: GROUP 3 PULMONARY HYPERTENSION | Thematic Poster Session | 5/16/2022 | 9:30 AM | 3:45 PM |
| B52 | GOLDEN GATE PARK: CLINICAL CARE OF THE PH PATIENT | Thematic Poster Session | 5/16/2022 | 9:30 AM | 3:45 PM |
| B53 | MARINA: LEARNING FROM PH REGISTRIES AND CLINICAL TRIALS | Thematic Poster Session | 5/16/2022 | 9:30 AM | 3:45 PM |
| B54 | PACIFIC HEIGHTS: BIOMARKERS AND QUALITY OF LIFE IN PULMONARY HYPERTENSION | Thematic Poster Session | 5/16/2022 | 9:30 AM | 3:45 PM |
| B96 | FISHERMAN'S WHARF: OMICS AND TRANSLATIONAL APPROACHES IN PULMONARY VASCULAR DISEASE | Mini Symposium | 5/16/2022 | 2:15 PM | 3:45 PM |
| B106 | UNION SQUARE: OBSERVATIONAL STUDIES AND CLINICAL TRIALS IN PULMONARY HYPERTENSION | Poster Discussion Session | 5/16/2022 | 2:15 PM | 3:45 PM |
| C8 | LOST IN TRANSLATION? PRECLINICAL TO CLINICAL STUDIES IN PULMONARY HYPERTENSION | Scientific Symposium | 5/17/2022 | 9:30 AM | 11:00 AM |
| C54 | HAIGHT-ASHBURY: THE TWO VENTRICLES | Thematic Poster Session | 5/17/2022 | 9:30 AM | 3:45 PM |
| C55 | NOB HILL: CELLULAR ORIGINS OF PULMONARY VASCULAR DISEASE | Thematic Poster Session | 5/17/2022 | 9:30 AM | 3:45 PM |

| | | | | | |
|------|--|---|-----------|----------|----------|
| C56 | COW HOLLOW: PRECLINICAL MODELS OF PULMONARY HYPERTENSION | Thematic Poster Session | 5/17/2022 | 9:30 AM | 3:45 PM |
| C57 | PRESIDIO: ENDOTHELIAL CELLS IN PULMONARY HYPERTENSION | Thematic Poster Session | 5/17/2022 | 9:30 AM | 3:45 PM |
| C58 | RICHMOND: SMOOTH MUSCLE CELLS AND FIBROBLASTS IN PULMONARY VASCULAR DISEASE | Thematic Poster Session | 5/17/2022 | 9:30 AM | 3:45 PM |
| C59 | POTRERO HILL: CASE REPORTS IN PULMONARY HYPERTENSION | Thematic Poster Session | 5/17/2022 | 9:30 AM | 3:45 PM |
| C97 | NORTH BEACH: EXPERIMENTAL PULMONARY HYPERTENSION | Mini Symposium | 5/17/2022 | 2:15 PM | 3:45 PM |
| C105 | CIVIC CENTER: PULMONARY VASCULAR DISEASE | RAPiD: Rapid Abstract Poster Discussion Session | 5/17/2022 | 2:15 PM | 3:45 PM |
| D27 | CASTRO: CELL SURVIVAL, ORGANELLES, AND VESICLES IN THE PULMONARY CIRCULATION | Poster Discussion Session | 5/18/2022 | 8:15 AM | 9:45 AM |
| D8 | SICK BY ASSOCIATION: THE PULMONARY VASCULATURE IN CHRONIC LUNG DISEASES | Scientific Symposium | 5/18/2022 | 8:15 AM | 9:45 AM |
| ME50 | ASSESSING RV FUNCTION USING PRESSURE-VOLUME LOOPS: PRECLINICAL AND CLINICAL APPROACHES | Meet the Expert | 5/18/2022 | 10:00 AM | 11:00 AM |
| D96 | EMBARCADERO: MACHINES AND DEEP PHENOTYPING OF THE PULMONARY CIRCULATION | Mini Symposium | 5/18/2022 | 12:45 PM | 2:15 PM |
| D106 | NOE VALLEY: CLOTS, COVID, AND LUNG VASCULAR DISEASES | Poster Discussion Session | 5/18/2022 | 12:45 PM | 2:15 PM |

ATS 2022 INTERNATIONAL CONFERENCE ADDITIONAL SESSIONS OF INTEREST

| Session Code | Session Title | Session Type | Session Date | Session Start | Session End |
|--------------|--|----------------------|--------------|---------------|-------------|
| A1 | CLINICAL YEAR IN REVIEW 1 | Scientific Symposium | 5/15/2022 | 9:30 AM | 11:00 AM |
| A11 | TACKLING HEALTH DISPARITIES: HOW DO WE TALK AND TEACH ABOUT THEM? | Scientific Symposium | 5/15/2022 | 9:30 AM | 11:00 AM |
| A2 | JAMA AND THE NEW ENGLAND JOURNAL OF MEDICINE. DISCUSSION ON THE EDGE: REPORTS OF RECENTLY PUBLISHED PULMONARY RESEARCH | Scientific Symposium | 5/15/2022 | 9:30 AM | 11:00 AM |
| A3 | FELLOWS CASE CONFERENCE | Scientific Symposium | 5/15/2022 | 9:30 AM | 11:00 AM |
| A5 | CROSSTALK OF SENESCENT CELLS WITH THE MICROENVIRONMENT: IT TAKES TWO TO TELL A STORY | Scientific Symposium | 5/15/2022 | 9:30 AM | 11:00 AM |
| CC1 | CRITICAL CARE CLINICAL CORE CURRICULUM | Scientific Symposium | 5/15/2022 | 11:30 AM | 1:00 PM |
| PCC1 | PEDIATRIC CLINICAL CORE CURRICULUM | Scientific Symposium | 5/15/2022 | 12:00 PM | 1:00 PM |

| | | | | | |
|------|--|----------------------|-----------|----------|----------|
| A83 | GREAT CASES: CLINICAL, RADIOLOGIC, AND PATHOLOGIC CORRELATIONS BY MASTER CLINICIANS | Scientific Symposium | 5/15/2022 | 2:15 PM | 3:45 PM |
| A84 | THE NEW ENGLAND JOURNAL OF MEDICINE AND JAMA. DISCUSSION ON THE EDGE: REPORTS OF RECENTLY PUBLISHED CRITICAL CARE RESEARCH | Scientific Symposium | 5/15/2022 | 2:15 PM | 3:45 PM |
| A85 | DEVELOPMENT AND WOUND HEALING: WHERE SENESENCE IS THE SILVER LINING | Scientific Symposium | 5/15/2022 | 2:15 PM | 3:45 PM |
| A90 | RECENT ATS CLINICAL PRACTICE GUIDELINES | Scientific Symposium | 5/15/2022 | 2:15 PM | 3:45 PM |
| B1 | CLINICAL YEAR IN REVIEW 2 | Scientific Symposium | 5/16/2022 | 9:30 AM | 11:00 AM |
| B12 | CLINICAL TRIALS SESSION | Scientific Symposium | 5/16/2022 | 9:30 AM | 11:00 AM |
| B13 | INSIGHTS INTO MECHANISMS AND FUTURE DIRECTIONS OF HIV ASSOCIATED LUNG DISEASE | Scientific Symposium | 5/16/2022 | 9:30 AM | 11:00 AM |
| CC2 | PULMONARY CLINICAL CORE CURRICULUM | Scientific Symposium | 5/16/2022 | 11:30 AM | 1:00 PM |
| PCC2 | PEDIATRIC CLINICAL CORE CURRICULUM | Scientific Symposium | 5/16/2022 | 12:00 PM | 1:00 PM |
| B88 | INCLUDING ALL FOR RESPIRATORY HEALTH | Scientific Symposium | 5/16/2022 | 2:15 PM | 3:45 PM |
| B91 | PUBLISHING THE BEST SCIENCE: THE COMPREHENSIVE SPECTRUM PROVIDED BY THE ATS FAMILY OF JOURNALS | Scientific Symposium | 5/16/2022 | 2:15 PM | 3:45 PM |
| CC3 | CRITICAL CARE CLINICAL CORE CURRICULUM | Scientific Symposium | 5/16/2022 | 2:15 PM | 3:45 PM |
| C1 | CLINICAL YEAR IN REVIEW 3 | Scientific Symposium | 5/17/2022 | 9:30 AM | 11:00 AM |
| C11 | USE OF NOVEL TECHNOLOGIES TO IMPROVE CLINICAL TRAINING AND ENHANCE PATIENT SAFETY | Scientific Symposium | 5/17/2022 | 9:30 AM | 11:00 AM |
| PCC3 | PEDIATRIC CLINICAL CORE CURRICULUM | Scientific Symposium | 5/17/2022 | 12:00 PM | 1:00 PM |
| C90 | MORE THAN MAKING UP FOR LOST TIME: CAREER DEVELOPMENT AFTER COVID-19 | Scientific Symposium | 5/17/2022 | 2:15 PM | 3:45 PM |
| CC4 | PULMONARY CLINICAL CORE CURRICULUM | Scientific Symposium | 5/17/2022 | 2:15 PM | 3:45 PM |
| D1 | CLINICAL YEAR IN REVIEW 4 | Scientific Symposium | 5/18/2022 | 8:15 AM | 9:45 AM |
| D5 | THE IMPACT OF FLAVORED NICOTINE PRODUCTS: BIOLOGY, BEHAVIOR AND THE "BAN" | Scientific Symposium | 5/18/2022 | 8:15 AM | 9:45 AM |
| CC5 | SLEEP CLINICAL CORE CURRICULUM | Scientific Symposium | 5/18/2022 | 10:45 AM | 12:15 PM |
| CC6 | SLEEP CLINICAL CORE CURRICULUM | Scientific Symposium | 5/18/2022 | 12:45 PM | 2:15 PM |

Planning Committee

Mahendra Damarla, MD (Chair)

We are excited to report that a Pulmonary Circulation Assembly project entitled 'Lung endothelium in health and disease' chaired by Drs. Rebecca Hough and Troy Stevens was recently approved by the ATS for a workshop for this coming ATS 2022! A big 'Thank You' to all the PC Assembly members for submitting outstanding projects and for the Planning Committee members for reviewing and providing valuable feedback that has been critical in this success. This is huge win for the PC assembly! The last publication from an accepted proposal from the PC Assembly was in 2018.

ATS leadership is in negotiations for the hosting of the Grover Conference, which is still set to take place in September 2023. Be on the lookout for a call for proposals!

Submit an Assembly/Committee Project Application for Funding in FY2023!

We are happy to announce that ATS will once again accept **NEW Assembly/Committee Projects for FY2023**. 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, Mahendra Damarla, MD at mdamar1@jhmi.edu**

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

Web Committee

Jarrod Wesley Barnes, PhD, MBA (Chair)

The Pulmonary Circulation (PC) Web Editorial Committee is made up of pulmonologists and research scientists dedicated to understanding and curing pulmonary vascular disease. The mission of the PC Web Editorial Committee is to disseminate knowledge and information through the use of website and social media platforms. Over the past year, we have been active in capturing and promoting key content including journal clubs, webinars, mini-symposia, and social events.

The Pulmonary Circulation Assembly Journal Club has created exciting new content with webinars and important journal recaps with expert commentary. Upcoming and past Journal Clubs can be viewed on our website [here](#). In addition, you can use this website to reserve your seat for the journal club presentations. We encourage submissions for potential articles or topics for the future! This is a great way for early career professionals to build their CV. . Please feel free to contact one of the journal club editors (see below in the Journal Club Committee Section).

We are interested in growing our Podcast platform. If you are interested in helping with the Podcasts or have ideas you would like to contribute, please contact Jarrod Barnes (barnesj5@uab.edu) for more information. For those that would like to know more about what's going on in Pulmonary Circulation, please **follow us on twitter @ATS_PC** to get real time tweets about 'everything' Pulmonary Circulation as well as the latest updates and information on upcoming conferences, Journal Clubs, social events, etc.

We are looking to grow our Web Team! If you are interested in getting involved with the Pulmonary Circulation Assembly and the Web Committee on any level please contact the PC Web Director, Jarrod Barnes (barnesj5@uab.edu) or the Early Career Investigators Working Group Chair, Rebecca Vanderpool (rebecca.vanderpool@osumc.edu) for more details.



Early Career Working Group

Rebecca R Vanderpool, PhD (Chair)

The PC Early Career Working Group has continued to stay busy this year. We started the initiative for the PC Early Career Highlights on Twitter. Since starting in Nov. 2021, 2-3 early career investigators have been highlighted per month. We have learned about their science, their outlook on pulmonary vascular disease research and a little about their hobbies. Keep an eye out for their updates on the @ats_pc Twitter account. Despite events remaining virtual, we have continued to organize virtual happy hours focused on topics like "How to choose a Mentor" and the multi-assembly session on "Submitting your first grant: Where to begin?". We are excited for our new participation in the Apprenticeship and Teaching competition programs through ATS. As a working group, we look forward to seeing each other in person at ATS2022.

Assembly Mentoring Programs' Meeting Spot

Struggling to find a quiet location to meet with your mentor? The Assembly Mentoring Programs is offering a meeting spot exclusively for mentors and mentee to meet and two receptions.

Moscone Center West

(Room: Overlook 3018, Floor: Level 3)

Sunday, May 15 – Monday, May 16, 2022, from 7 a.m. to 7 p.m.

Join us at the Mentoring Receptions:

Sunday, May 15 – Monday, May 16, 2022, from 7 p.m. to 9 p.m.

Please note, this space is exclusively for Mentoring Program participants*

ATS Contact- Nicole Feijoo at NFeijoo@thoracic.org

Journal Club Working Group

Daniel Lachant, DO (Chair)

On behalf of the Pulmonary Circulation Journal Club co-editors, I would like to thank the presenters, authors, and discussants that took time out of their busy schedule and participated in 2021. Despite the impact of COVID, we were able to present six Journal Clubs with continued record attendance. We owe Bridget Nance a big debt of gratitude for assistance in coordinating each Journal Club. We continue to present a wide variety of groundbreaking and impactful pulmonary vascular studies. Our Journal Club team continues to change. I want to thank Dr. Jason Elinoff, Dr. Andrea Frump, and Dr. Ke Yuan for their service leading and assisting with the Journal Club. We would not have the success we have today without their service. I would also like to welcome our two new Journal Club co-editors, Dr. Elizabeth Sonntag and Dr. Maryam Sharifi-Sanjani.

The goal of the current Journal Club format is to allow investigators, early-stage career scientists, or trainees the opportunity to present their own or other recently published papers about pulmonary vascular disease. We are interested in all topics, including basic science through clinical trials. Through the ATS webinar platform, members of the online audience are able to participate in a stimulating but informal group discussion with leaders in the field. The Journal Club co-editors and ATS support staff assist with the organizing and scheduling so that the presenter only focus on the article presentation. A typical presentation is no more than 20-25 minutes. Thus, the bulk of the webinar is a moderated discussion with the expert discussants and the online audience. Our plan in 2022 is to have another six journal clubs. We are going to pilot a Pulmonary Hypertension Case Conference Series. Cases will be solicited prior to the conference and presented by trainees or junior faculty. Each presentation will be roughly 20 minutes leaving time for discussion with experts or teaching points. If there is enough interest, we will plan to have this quarterly.

We are always looking for authors interested in presenting their exciting science or trainees/junior faculty who want to get

involved with the pulmonary circulation ATS assembly. If you would like to present your recently published work, an interesting article, or a difficult or interesting case, please do not hesitate to reach out to one of the co-editors and we can assistance with coordinating:

Daniel Lchant (Daniel_Lchant@urmc.rochester.edu), Roberto Bernardo (Roberto-Bernardo@ouhsc.edu) Elizabeth Sonntag (elizabeth.sonntag@vcuhealth.org), Maryam Sharifi-Sanjani (sanjani@pitt.edu)