



PULMONARY CIRCULATION ASSEMBLY NEWSLETTER

We help the world breathe EDITED BY MARK N. GILLESPIE, PHD, ASSEMBLY CHAIR
PULMONARY • CRITICAL CARE • SLEEP

AMERICAN THORACIC SOCIETY

Spring 2010

Officers of the PC Assembly:

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2010 | The Year of the
LUNG
Live. Learn. Breathe.

Message From Assembly Chair

Mark N. Gillespie, PhD

“This has been a busy year for the American Thoracic Society” I’ve lost count of the newsletters I’ve read that begin with this or a similar phrase. Not this one. The past year could be characterized as “challenging”. For the scientists in our ranks, we all know that generating funds to operate a laboratory is increasingly time consuming and frustrating. Similarly, the clinicians among us, working in either academic or private settings, confront mounting pressures of regulatory guidelines, uncertainties about the outcome of healthcare reform, diminishing infrastructure, and other obstacles to managing an effective and profitable clinical practice. Many of our members working in institutional settings are feeling the bite of the economic downturn in terms of diminished state support for educational and service missions. These challenging times have, to use a popular phrase, tended to push the “work-life balance” a bit out of alignment.

If you feel this way, even in only certain aspects of your job, then you need to attend the business meeting of the Pulmonary Circulation Assembly at the 2010 ATS International Conference in New Orleans.

Why? One of the standard answers is that, by becoming more active in your Assembly, you can influence how the International Conference is organized – something dear to all ATS members. And in this regard, it seems likely that the ATS Board of Directors and its Program Committee will, at some point during the next year, begin looking into ways to enhance what is already a fairly effective conference planning process. This is something for which feedback is needed. You can also build your professional resume by serving in a leadership capacity in the largest organization of lung scientists and clinicians worldwide – the ATS.

But there is another reason, particularly suited for the times; the annual PC Assembly business meeting – probably better titled “business meeting and reception” - is one of the rare occasions during the year when you can have professional interactions in a very social setting with people

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Message From Assembly Chair

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from all over the globe who not only share a common interest in the lung, but a unique aspect of it; the pulmonary circulation. It's an opportunity to build and maintain friendships that make work more enjoyable, effective, and rewarding. Stated differently, we can all appreciate that the most productive collaborations arise out of solid professional friendships. The PC Assembly business meeting is an opportunity to nurture such relationships.

Despite the challenges, it has been a busy year. We've gotten a lot of things started. Planning for the 2011 Grover Conference is underway. Mandy MacLean from Glasgow is the organizer, and she has developed an intriguing agenda focusing on Genetic and Environmental Risk Factors in Pulmonary Hypertension. Karen Fagan of Mobile and Nick Morell of London served as the PC Program Committee Chair and Chair-elect, respectively, and have put together a marvelous scientific program at this year's International Conference highlighted by 4 great symposia. Diego Alvarez of Mobile and Rachel Damico of Baltimore, in their roles as PC Webmaster and Journal Club Director, respectively, have expanded the journal club and developed a new case report series that will soon be launched on-line by the ATS central office. Recipients of the PC Assembly's marquis awards - the Leadership Award and the Grover Prize - have been selected. And finally, the Long Range Planning Committee, led by Troy Stevens of Mobile, has inaugurated several new projects of interest to the PC Assembly membership.

So, come to the PC Assembly business meeting on Monday, May 17th. Find out what's going on in the Assembly and in the ATS, in general. But most importantly, use the meeting as a chance to rekindle friendships with others who have an interest in lung vascular biology and pathology. Share "war stories" over a cold beverage. Perhaps even start a new collaboration. Among all the excellent sessions at the International Conference, seeing old friends and making new ones at the PC Assembly business meeting may rank as perhaps the time best spent.

We would like to thank the American Thoracic Society Corporate Member Program, The National Emphysema Foundation Honoring Claude Lenfant, MD, ATS PAR Members, Sleep Group Solutions and Apex Medical for providing Travel Awards. ATS Assembly Program Committees selected awardees based on the abstracts submitted to the 2010 International Conference.

Program Committee Report

Karen Fagan, MD, Chair

As Program Committee Chair, on behalf of the Program Committee, I'd like to encourage you to attend this year's meeting. The International Conference will again highlight the accomplishments of our Assembly with over 30 sessions focusing on topics ranging from basic vascular biology to clinical treatment of pulmonary hypertension. Needless to say, the breadth of the PC Assembly's interests will be well-represented at ATS 2010.

Programming includes scientific symposia, mini-symposia, poster discussions, thematic poster sessions, post-graduate courses, meet-the-professor seminars and sunrise seminars. The PC program committee has put together an outstanding agenda which is outlined in this newsletter highlighting the specific sessions being sponsored by our Assembly. Choosing which ones to attend will be a difficult task.

See you there!

ATS 2010 – New Orleans Sessions Sponsored by the Assembly on Pulmonary Circulation

Postgraduate Courses

Friday, May 14, 2010

PG9 UPDATE IN PULMONARY HYPERTENSION: CONVENTIONS AND CONTROVERSIES 8:00 AM - 4:00 PM

Scientific Symposia

Sunday, May 16, 2010

A89 LIPID MEDIATORS IN PATHOGENESIS AND RESOLUTION OF ACUTE LUNG INJURY 1:30 PM - 4:00 PM

Monday, May 17, 2010

B89 RESCUING THE RIGHT VENTRICLE IN PULMONARY VASCULAR DISEASE 1:30 PM - 4:00 PM

Tuesday, May 18, 2010

C6 EPIDEMIOLOGY OF PULMONARY HYPERTENSION: LESSONS FROM CONTEMPORARY REGISTRIES 8:15 AM - 10:45 AM

Wednesday, May 19, 2010

D7 HOW DOES BMP2 MUTATION LEAD TO PULMONARY ARTERIAL HYPERTENSION? 8:15 AM - 10:45 AM

Meet the Professor Seminars

Sunday, May 16, 2010

MP415 SCLERODERMA ASSOCIATED PAH: BENCH TO BEDSIDE 12:00 PM - 1:00 PM

Monday, May 17, 2010

MP515 HEMODYNAMIC EVALUATION OF PATIENTS WITH PULMONARY HYPERTENSION 12:00 PM - 1:00 PM

Tuesday, May 18, 2010

MP615 PULMONARY HYPERTENSION: REAL-LIFE CASES 12:00 PM - 1:00 PM

Sunrise Seminars

Monday, May 17, 2010

SS114 OSA ASSOCIATED PULMONARY HYPERTENSION: EPIDEMIOLOGY AND CLINICAL SIGNIFICANCE 7:00 AM - 8:00 AM

Tuesday, May 18, 2010

SS213 NON PAH PH 7:00 AM - 8:00 AM

Wednesday, May 19, 2010

SS313 HORMONES, HYPOXIA, AND INHERITANCE: MECHANISMS OF SEX DIFFERENCES IN PULMONARY HYPERTENSION 7:00 AM - 8:00 AM

Mini Symposia

Sunday, May 16, 2010

A17 MECHANISMS OF ACUTE LUNG INJURY: ROLE OF ENDOTHELIUM 8:15 AM - 10:45 AM

A96 INFLAMMATION AND BONE MARROW DERIVED CELLS IN PULMONARY ARTERIAL HYPERTENSION 1:30 PM - 4:00 PM

Monday, May 17, 2010

B16 PULMONARY ARTERIAL HYPERTENSION: FROM ASSESSING RISK TO THERAPEUTIC RESULTS 8:15 AM - 10:45 AM

ATS 2010 – New Orleans Sessions Sponsored by the Assembly on Pulmonary Circulation

Mini Symposia

Tuesday, May 18, 2010

C18 NOVEL INSIGHTS INTO THE PATHOGENESIS OF PULMONARY ARTERIAL HYPERTENSION 8:15 AM - 10:45 AM

Wednesday, May 19, 2010

D95 THE RIGHT VENTRICLE IN PULMONARY ARTERIAL HYPERTENSION: FROM MOLECULAR MECHANISMS TO THERAPEUTIC APPLICATIONS 1:30 PM - 4:00 PM

Poster Discussion Sessions

Sunday, May 16, 2010

A26 SMOOTH MUSCLE CELLS IN PULMONARY ARTERIAL HYPERTENSION: REGULATION, DIFFERENTIATION, AND PROLIFERATION 8:15 AM - 10:45 AM

Monday, May 17, 2010

B27 VENTILATOR-INDUCED LUNG INJURY AND ACUTE LUNG INJURY: ROLE OF ENDOTHELIUM 8:15 AM - 10:45 AM

B108 HYPOXIA AND ROS SIGNALING IN PULMONARY VASCULAR CELLS 1:30 PM - 4:00 PM

Tuesday, May 18, 2010

C105 ENDOTHELIAL CELLS IN THE PATHOGENESIS OF PULMONARY ARTERIAL HYPERTENSION 1:30 PM - 4:00 PM

C106 PULMONARY HYPERTENSION IN CHRONIC OBSTRUCTIVE PULMONARY DISEASE AND INTERSTITIAL LUNG DISEASE 1:30 PM - 4:00 PM

Thematic Poster Sessions

Sunday, May 16, 2010

A56 ACUTE PULMONARY EMBOLISM: DIAGNOSIS, TREATMENT AND CASE REPORTS 8:15 AM - 4:00 PM

A57 CHRONIC THROMBOEMBOLIC PULMONARY HYPERTENSION: DIAGNOSIS, TREATMENT, AND PATHOGENESIS 8:15 AM - 4:00 PM

Monday, May 17, 2010

B58 TREATMENT OF PULMONARY ARTERIAL HYPERTENSION 8:15 AM - 4:00 PM

B59 PULMONARY ARTERIAL HYPERTENSION: DIAGNOSIS, HEMODYNAMIC ASSESSMENT, AND IMAGING 8:15 AM - 4:00 PM

B60 REGULATION OF THE ENDOTHELIUM: BARRIER FUNCTION AND ENDOTHELIAL CELL INTEGRITY 8:15 AM - 4:00 PM

Tuesday, May 18, 2010

C56 ASSESSING OUTCOMES IN PULMONARY ARTERIAL HYPERTENSION 8:15 AM - 4:00 PM

C57 PULMONARY HYPERTENSION: BIOMARKERS, GENETICS, AND GENOMICS: INSIGHTS INTO PATHOGENESIS 8:15 AM - 4:00 PM

C58 EXPERIMENTAL PULMONARY ARTERIAL HYPERTENSION: FOCUS ON THE RIGHT VENTRICLE 8:15 AM - 4:00 PM

Wednesday, May 19, 2010

D59 PULMONARY VASCULAR MECHANICS AND VASOREACTIVITY 8:15 AM - 4:00 PM

D60 REMODELING IN THE LUNG CIRCULATION: CELL-MATRIX INTERACTION 8:15 AM - 4:00 PM

D61 ANIMAL MODELS OF PULMONARY ARTERIAL HYPERTENSION: NEW IDEAS AND INSIGHTS 8:15 AM - 4:00 PM

Grover Conference 7th-11th September 2011

Lost Valley Conference Center

Organizers Prof Mandy MacLean, Nick Morrell and Karen Fagan

Risk Factors in Pulmonary Hypertension: Gender, Sex Hormones, Obesity, Novel Genetic Influences and other Novel Risk Factors

Familial Pulmonary Arterial Hypertension (FPAH) is a rare, autosomal-dominant, inherited disease with low penetrance. Mutations in the bone morphogenetic protein receptor 2 (BMPR2) have been identified in at least 70% of FPAH patients. However, the penetrance of these BMPR2 mutations is 10-20%, suggesting that genetic and/or environmental modifiers are required for disease expression. In addition, females are significantly over-represented amongst FPAH patients. Neither of these phenomena have been adequately explained and this conference will review and discuss recent research with a view to determining the major factors influencing disease penetrance.

There has been a wealth of published information recently suggesting factors that may be responsible for the increased penetrance in females and genetic and/or environmental modifiers that are required for disease expression in BMPR2 mutation carriers. These include oestrogen metabolism, obesity, novel endogenous vasoactive factors and novel genetic loci interacting epistatically with BMPR2. This conference will review this rapidly developing field. The impact of genetic and environmental risk factors on the responsiveness of patients to current and emerging therapies will also be discussed.

Planning Committee Report

Troy Stevens, PhD, Committee Chair

The Long Range Planning Committee has had a busy year on three fronts, each pertaining to the timely completion of ongoing workshops. The first of these workshops is chaired by Dr. Todd Bull, and is entitled *Assessment of Thromboembolic Disease During Pregnancy*. The second is chaired by Dr. Elizabeth Klings, and is entitled *Diagnosis and Treatment of Pulmonary Hypertension of Sickle Cell Disease*. The third workshop is chaired by Dr. Troy Stevens, and is entitled *Angiogenesis in the Postnatal Pulmonary Circulation: Fact or Fiction*. Workshops were initially supported by the ATS in 2008-09. Participants for each of the workshops met at the 2009 International ATS Conference to examine our balance of critical clinical and basic science knowledge pertaining to the workshop focus. Since the workshops were held, efforts to amalgamate committee findings into a cohesive review or consensus are underway. Final documents are scheduled to be submitted for publication by the year's end.

Submit an Assembly/Committee Project Application for funding in FY2011!

We are happy to announce that ATS will once again accept NEW Assembly/Committee Projects for FY2011. 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 beginning in May.

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Submit an Assembly/Committee Project Application for funding in FY2011!

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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 Jeremy P. T. Ward at jeremy.ward@kcl.ac.uk.

Please contact Miriam Rodriguez with any questions at tel: 212/315-8639 or email: mrodriguez@thoracic.org.

Message from the Web Master and Journal Club Director.

Diego F. Alvarez, MD, PhD & Rachel Damico, MD, PhD

The New Year has brought to our Assembly a new “face”. An innovative and remodeled web site is finally accessible for all ATS members. In this new web site, you will have access to previously published content, as well as new material that has expanded the scope of interest in order to appeal to a broader audience. We invite you to take the time to surf through the new website, and visit the renewed PC web page and its associated links.

In a related note, the online journal club continues its mission to expand the horizons of our membership by featuring novel and innovative topics that foster a unique and fertile scientific environment. Remember that members can actively participate by logging in during the discussion session (previously announced via the ATS-PC ListServ) or by accessing the site at later time points. If you are interested in discussing a new topic, please do not hesitate to contact us.

Our annual New Orleans meeting is rapidly approaching and we want to invite all of our seasoned and junior members to attend our business/reception meeting on Monday May 17th. Hope to see you there.

Nominating Committee Report

Ivan F. McMurtry, PhD, Chair

The PC Nominating Committee has selected Robb Glenny and Paul Hassoun as candidates for Assembly Chair (2011-2013), Elizabeth Harrington and Larissa Shimoda as candidates for Program Committee Chair-Elect (2010-2011), and Jahar Bhattacharya, Karen Fagan, and E. Kenneth Weir as candidates for the Nominating Committee (2010-2011).

Patients to Speak At Thirteen Designated ATS International Conference Symposia

The ATS Public Advisory Roundtable (ATS PAR) has selected patients to provide a patient perspective at thirteen symposia at the 2010 ATS International Conference Symposia. This concept has worked exceptionally well within the format of the PAR Symposium for the last seven years as well as at an increasing number of sessions at ATS International Conferences from 2004 to 2009.

This is the seventh year that patient speakers will participate within the Assemblies' Symposia. The patients will make a five-minute presentation to offer insight into their personal journeys. This insight will address diagnosis, treatment, and how the disease has dramatically altered their lifestyle, family, career and relationships. They will share their perspective into what patients would like physicians and researchers to know about physician/patient relationships and the importance and relevance of the work in which investigators and researchers are engaged.

The symposia at which a patient perspective will be presented are listed below:

ASSEMBLY	SESSION CODE	TITLE	DATE/TIME
AII/RCMB	A9	COPD: A Disease Of Accelerated Aging?	Sunday 5/16/10 8:15-8:30 am
AII	A12	Severe Asthma: The Last 10 Years And Moving Forward	Sunday, 5/16/10 8:15-8:20 am
AII/RCMB	A87	Mucus Plugs For 2010: Update On Mucus In Airway Homeostasis And Disease	Sunday, 5/16/10 1:40-1:45 pm
MTPI/AII/RCMB	B7	Keeping The Immunosupressed Well: Clinical Infectious Challenges In Emerging Immunosupressed Hosts	Monday, 5/17/10 8:15-8:20 am
RSF/RCMB/AII/CP	B9	New Frontiers In Asthma Therapy	Monday, 5/17/10 8:15-8:20 am
CP/RCMB	B83	The Influence Of Histology And Molecular Analysis On Treatment Of Non-Small Cell Lung Cancer: "Tailored Therapy"	Monday, 5/17/10 1:30-1:35 pm
SRN/CP	B86	Should We Treat Asymptomatic Obstructive Sleep Apnea Patients?	Monday, 5/17/10 3:30-3:35 pm
CP/PR	C2	Seven Questions Every COPD Patient Wants Answered	Tuesday, 5/18/10 8:15-8:20 am
CP/BS/PED	C10	Cystic Fibrosis: Bench, Bedside, And Beyond	Tuesday, 5/18/10 8:20-8:25 am
CP/AII	C82	Six Questions Regarding Sarcoidosis	Tuesday, 5/18/10 3:05-3:10 pm
CP/NUR/PED	C85	How Well Do Patients Use Respiratory Inhalers, Nebulizers, And Other Devices? It's More Important Than You Might Think	Tuesday, 5/18/10 1:30-1:35 pm
PAR	D12	Cells in Lung Injury and Repair of the Lung: Scientific and Translational Importance (PAR SYMPOSIUM)	Wednesday, 5/19/10 9:55 am
CP/NUR/RSF	D6	Pulmonary Rehabilitation In Chronic Respiratory Diseases Other Than COPD	Wednesday 8/19/10 8:30-8:35 am

ATS PAR Symposium

The ATS Public Advisory Roundtable (PAR) is pleased to announce the ninth ATS PAR Symposium to be presented at the ATS International Conference in New Orleans on **Wednesday, May 19, 2010 8:15 a.m. – 10:45 a.m.** The topic of the symposium is **“Cells in Lung Injury and Repair of the Lung: Scientific and Translational Importance”** and it will be jointly chaired by Jo Rae Wright, PhD, Michael Matthay, MD, and Teresa Barnes. The program includes the following:

- Michael A. Matthay, MD - Cell-Based Therapy For Lung Injury
- Bernard. Lo, MD - Ethical And Policy Issues Regarding Cell-Based Therapies: Anticipating and Addressing Potential Obstacles to Scientific and Clinical Innovation
- Jahar Bhattacharya, MD, PhD - Reversal of Lung Inflammation By Mesenchymal Stem Cells
- Landon S. King, MD - Role of Lymphocytes In Mediating Recovery From Acute Lung Injury
- Mark R. Looney, MD - Role of Neutrophils And Platelets In Mediating Acute Lung Injury
- Danielle Benich - LAM Patient Perspective
- Duncan J. Stewart, MD - Future Cell-Based Therapies

ATS PAR Poster Session

The ATS PAR Annual Poster Session will be open from Sunday, May 16 – Tuesday, May 18 2010 in the Exhibit Hall of the Ernest N Morial Convention Center Convention Centre. Public Interest Organizations (PIO's) concerned with lung and sleep disorders will present information about their organizations. A representative from each organization will be present at the poster session to provide additional information.

**The American Thoracic Society Public Advisory Roundtable celebrating
2010: Year of the Lung is pleased to invite you to our fourth annual patient forum**

Breathing Better with the ATS Forum

This is a forum at which patients will have the unique opportunity to network and learn more about their disease.

**SATURDAY MAY 15, 2010
FROM 1:00 P.M. TO 4:00 P.M.**

**Hilton New Orleans Riverside
Two Poydras Street
New Orleans, Louisiana 70130
(Grand Salon A, 1st Level)**

You'll have an opportunity to hear from patients and experts in the pulmonary community and network with them afterwards. The event will be held in conjunction with the ATS International Conference.

Hors d'oeuvres will be provided at the meeting.

This year's discussions will focus on Lung and Environmental Health issues, and panelists include:
William Martin II, MD • Michael Busk, MD, MPH • Kenneth Paris, MD, MPH
David Schwartz, MD • Leon Zoller

PLEASE RSVP BY EMAIL TO cwhite@thoracic.org
NO LATER THAN FRIDAY, APRIL 30, 2010

For further questions please contact Courtney L. White at (212) 315-8640.

ASSEMBLY ON PULMONARY CIRCULATION
MEMBERSHIP MEETING

MONDAY, MAY 17TH

4:30PM-6:30PM

HILTON NEW ORLEANS RIVERSIDE HOTEL

GRAND BALLROOM D

FIRST (STREET) LEVEL

ASSEMBLY ON
PULMONARY CIRCULATION
DINNER

MONDAY, MAY 17TH

7:00PM-9:00PM

HILTON NEW ORLEANS RIVERSIDE HOTEL

HEC BALLROOM A

SECOND LEVEL

The dinner is supported by Novartis Pharmaceuticals Corporation

ATS DOCUMENTS UPDATE

1. Reminder to all Document Developers--We have launched submission of official ATS documents through the manuscript central website that the Society uses for all journal submissions. All official ATS documents must be submitted through this website <http://mc.manuscriptcentral.com/atsdocs>

2. We are pleased to announce that ATS has hired a new methodologist, Jan Brozek, MD, PhD. Dr. Brozek is based at McMaster University in Canada, and as the Society's methodologist, will provide expert consultation to Document Developers. Our Documents Editor, Dr. Holger Schunemann and Dr. Brozek will both be attending the Conference in New Orleans this year and will be visiting with many Document Developers to answer methods-related questions.

For further information about document development, visit the document development area of the ATS Website at <http://www.thoracic.org/statements/document-development/index.php> or contact Judy Corn at jcorn@thoracic.org

2010 Guidelines Forum and Hands-on Workshop: What's new in document and guideline development?

All ATS members are invited to attend a free, hands-on guideline workshop conducted by the ATS Documents Editor, Holger J. Schunemann, MD, PhD, and the new ATS Methodologist, Jan Brozek, MD, PhD, to be held:

Sunday, May 16, 2009
6:45-9:45 pm
Versailles Ballroom, Third Level
Hilton New Orleans Riverside
2 Poydras Street
New Orleans, LA 70140
Tel: (504) 561-0500 | 1-800-HILTONS

Refreshments and a light dinner will be served.

SEARCH ANNOUNCEMENT

The American Thoracic Society has opened the search for the Editor of its peer-reviewed publication, the *Proceedings of the American Thoracic Society* (PATS), succeeding Alan R. Leff, M.D., who has been serving as Editor since the inception of the journal in 2004.

PATS publishes reviews of clinical or basic science commonly resulting from conferences or workshops organized or sponsored by the ATS and/or other organizations to provide a better understanding of diseases within respiratory, critical care medicine, and sleep. Publication is episodic.

It is anticipated that the Editor will be named in 2011 for a five-year term, but will not assume responsibility until March 2012. This timeline will allow the newly selected Editor to train with Dr. Leff for one year to ensure a smooth transition. The Search Committee is seeking candidates who are in a field relevant to lung health, critical care medicine, and/or sleep who have editorial experience.

Letters of interest, including a statement of plans for the Editorship, and curriculum vitae should be submitted by May 3, 2010 to:

Jeffrey Glassroth, M.D.
Chairman, PATS Editor Search Committee
American Thoracic Society
61 Broadway, 4th floor
New York, NY 10006-2755
212-315-6441

E-mail: j.glassroth@northwestern.edu

Please cc Diane Gern, ATS Publisher on all emails: dgern@thoracic.org

The Foundation of the American Thoracic Society

Help Us Help the World Breathe

Research • Education • Training

SAVE THE DATE

WHAT

Second Annual ATS Research Dinner

WHEN

Saturday, May 15, 2010

WHERE

Marriott New Orleans

For more information

Call (212) 315-6464

The Foundation of the ATS wishes to thank this year's Dinner Benefactor

Genentech/Novartis