

Respiratory Structure and Function Assembly Newsletter



Edited by Michael B Reid, PhD, Assembly Chairman

Spring 2006

Assembly Activities

RSF Chair: Mike Reid, PhD, University of Kentucky

RSF Chair-Elect: Wayne Mitzner, PhD, Johns Hopkins School of Public Health

With spring just around the corner, the Society is busy preparing for the ATS International Conference, which will be held May 19-24 in San Diego. The International Conference is always a terrific meeting, a week of outstanding science and state-of-the-art clinical medicine. I urge you to browse the ATS website [<http://www.thoracic.org>] for sessions of particular interest and plan to join us in San Diego.

The Assembly leadership has been hard at work during the run-up to San Diego. Rey Pannetieri, Andrew Halayko, and the RSF Program Committee have programmed scientific sessions of special interest to RSF members and have selected travel award recipients from among the outstanding abstracts submitted by RSF students and fellows. Under the leadership of Vito Brusasco, the RSF Planning Committee has overseen selection of recipients for the ATS Ann Woolcock Memorial Award and the Joseph R. Rodarte Award for Scientific Distinction and has organized an excellent Assembly dinner for San Diego. The RSF Nominating Committee, chaired by Susan Gunst, has developed a slate of outstanding candidates for Assembly leadership that will be elected by RSF members at this year's business meeting.

As you can see, the International Conference promises to be an exciting experience. I encourage you to get involved in RSF Assembly activities while in San Diego. A great way to start is by attending our annual Membership meeting. It will be held Monday afternoon, May 22, at 4:30 pm in the Manchester Grand Hyatt Hotel. The agenda will be short and to the point, including a quick run-down of ongoing activities and the election of selected Assembly officials. Show up and vote, make yourself known! Then join us immediately afterward for the Assembly Dinner to be held again this year at Aubergine's in the charming Gaslight District. This venue only accommodates 150 guests and these tickets will go fast. **Reserve your seat today by returning the form enclosed with this newsletter.** It will be a memorable evening filled with good food and lively conversation among your fellow RSF members. I look forward to seeing you there!

Officers of the RSF Assembly

Assembly Chairman
2004-2006: Michael B. Reid, PhD
michael.reid@uky.edu

Assembly Chair-elect
2006-2008: Wayne A. Mitzner, PhD
wmitzner@jhsph.edu

Planning Chairman
2004-2006: Vito Brusasco, MD
vito.brusasco@unige.it

Program Chairman
2005-2006: Reynold A. Panettieri, Jr., MD
rap@mail.med.upenn.edu

Program Chair-elect
2005-2006: Andrew J. Halayko, PhD
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Nominating Chairman
2005-2006: Susan J. Gunst, PhD
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Web Director
2005-2006: Raed A. Dweik, MD
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RSF Planning Committee

Chair: Vito Brusasco, MD, Universita di Genova

Chair-Elect: Jeff Fredberg, PhD, Harvard University

Twelve members from North America, Europe and Australia regularly participated in RSF Planning Committee activities for year 2004-2005. The major activities of the group included the evaluation of projects submitted by members affiliated to RSF or other assemblies, the organization of assembly dinner and awards.

Among the projects evaluated for year 2005-06, the Committee strongly supported project proposals by Dr. Robert Brown entitled "Advances in Small Animal Imaging: Application to Lung Pathophysiology" and by Dr. Charlie Irvin entitled, "Lecture Notes of Pulmonary Physiology." The ATS Program Review Subcommittee approved both projects, which will be supported by the Society. An ongoing project headed up by Dr. Chun Y. Seow, "Airway Smooth Muscle Adaptation to Length Change: Implications for Airway Hyperresponsiveness" was very active throughout the past year. Please see Dr. Seow's comments elsewhere in this newsletter.

The tradition of an RSF-sponsored dinner will continue this year with featured speaker Dr. Peter Wagner, current president of the ATS, providing the after dinner talk. The 2006 RSF Assembly Dinner is generously supported by an unrestricted grant from Merck. As in previous years, two prestigious awards, the Joseph R. Rodarte Award for Scientific Distinction and the ATS Ann Woolcock Memorial Award will be presented at the dinner to the awardees identified by the RSF Planning Committee. The Joseph R. Rodarte Award has been made available through a generous grant from the SensorMedics, a subsidiary of Viasys Healthcare, and is annually awarded to an established investigator with recognized and distinguished scientific achievement in the area of respiratory structure. The Ann Woolcock Award, which is supported by an endowment that has been established through the generosity of GlaxoSmithKline and the Thoracic Society of Australia and New Zealand, is annually awarded to a young investigator for career research accomplishments in the field of asthma. Finally, the Assembly will present travel awards to eight individuals selected for the scientific excellence of their submitted abstract. The RSF Travel Awards are made possible by a grant from ndd Medical Technologies.

RSF Program Committee News

Chair: Reynold A. Panettieri, Jr., MD, University of Pennsylvania

Chair-Elect: Andrew Halayko, MD, University of Manitoba

The RSF Program Committee is pleased to announce an outstanding Research Forum for the upcoming ATS International Conference in San Diego. Overall, the abstract submissions for the symposia from all assemblies have diminished in comparison to 2005. Specifically, RSF in 2005 received 586 abstracts; however, in 2006, we received 536 abstracts. Although there is a slight decrease in the number of abstracts, we procured 7 mini-symposia, presenting 59 abstracts and 8 poster discussion sessions, presenting 193 abstracts. In addition, RSF obtained two additional symposia slots in comparison with the previous year for a total of 7 full symposia. Overall, the RSF Assembly has done remarkably well and continues to be at the forefront of presentations at the International Conference. Over the past 12 months, it has been a great pleasure and privilege to serve as chair of the Program Committee, and we are looking forward to continued success as Dr. Andrew Halayko assumes the chairmanship of the RSF Program Committee at the 2006 International Conference.

RSF Nominating Committee Report

Chair: Susan J. Gunst, PhD, Indiana University

At the RSF Membership Meeting on Monday, May 22 at the ATS International Conference, members of the RSF assembly will have the opportunity to vote on officers for the RSF Assembly for the coming year. The Nominating Committee is pleased to announce two outstanding candidates for the position of Program Chair-elect: Eric Hoffman, PhD, from the University of Iowa, and Robert Brown, MD, from Johns Hopkins University. The Nominating Committee is also very pleased to announce that Andrew Halayko, PhD, University of Manitoba, and Gary Sieck, PhD, Mayo Clinic, have accepted nominations for positions on the next year's RSF Nominating Committee. Nominations for this committee by members-at-large will also be accepted from the floor at the RSF Membership meeting. We are delighted that these outstanding members of our section have agreed to serve the assembly, and we encourage you to attend the Membership meeting and vote.

Project Update: "Airway Smooth Muscle Adaptation to Length Change: Implications for Airway Hyperresponsiveness"

Chun Y. Seow, PhD, University of British Columbia

This ongoing project involves a workshop, which was held during the 2005 ATS conference in San Diego, and a state-of-the-art review on the topics discussed during the workshop, which is to be written collectively by assembly members. During the workshop, we reviewed and updated our knowledge in the areas of airway smooth muscle contractile mechanisms, mechanisms of airway narrowing, effects of dynamic lung environment on airway smooth muscle contractility, and airway resistance in vitro and in vivo. All these were discussed extensively during the daylong workshop under a unifying theme of airway hyperresponsiveness. A preliminary draft of the review has been produced and is currently under revision. The draft will be circulated to all committee members involved in the workshop sometime in March 2006. A meal meeting for members who are involved in the writing of the first draft is planned during the upcoming ATS Conference in San Diego in May to discuss remaining issues regarding the manuscript and to finalize the review before submission for publication.

Please Consider Submitting an Assembly/Committee Project Application for Funding in FY2007

Please consider submitting an Assembly/Committee Project Application for funding in FY2007!

For your information, the FY2007 (January 1-December 31, 2007) project application forms for Assembly/Committee projects will be available on the ATS website in April 2006 at:

<http://www.thoracic.org/assemblies/projectform.asp>

Please consider submitting an application for an Assembly/Committee project. If you have an idea for a project application and you need assistance, please contact your Assembly Planning Committee chair Vito Brusasco vito.brusasco@unige.it.

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Please Consider Submitting an Assembly/Committee Project Application for Funding in FY2007 Cont'd

(Continued from page 3)

The timeline for the application and review process follows:

April 2006: FY2007 forms are available.

July 25, 2006: Assembly/Committee project applications are due to the ATS office. Late submissions will not be accepted.

Early-mid August 2006: abridged versions of the proposals will be posted on the ATS site and emails will be sent to ATS Leadership, Assembly Planning Committee Chairs, Assembly Chairs, ATS Committee Chairs, appropriate ATS staff and the PRS committee, to notify them that the current, un-reviewed proposals are available. This will give everyone an opportunity to touch base with any of the applicants if they would like to get involved with a project before it goes to the PRS for review.

August 1-18, 2006: Assembly Planning Committees will meet via conference call to review appropriate proposals. Any proposal that has indicated on the form that a specific ATS committee may want to become involved will be sent to the ATS committee chair and to the appropriate staff member. Committees are encouraged to work with appropriate ATS staff and review any proposals and to send recommendations to the applicant and to the PRS.

September 6, 2006: Revised proposals and all reviews from Assemblies and Committees are due to ATS office. This includes any proposal that has revisions based on a review by an Assembly Planning Committee or an ATS Committee.

Early October 2006: Program Review Sub-Committee (PRS) meeting.

Early November 2006: Program & Budget Committee (P&B) meeting. Recommendations from the PRS will be provided to the P&B Committee. At the discretion of the P&B Committee, specific projects will be added to the FY2007 budget as new items.

December 2006: ATS Board reviews FY 2007 Budget.

Please contact Elisha Malanga with any questions at tel: 212/315-8693 or email: emalanga@thoracic.org.

THE ATS ASSEMBLY ON RESPIRATORY STRUCTURE AND FUNCTION <i>ATS 2006 · SAN DIEGO SESSIONS</i>			
POSTGRADUATE COURSE			
<u>Saturday, May 20</u>			
PG22	Clinical Respiratory Physiology And Pathophysiology Master Class	8:00 am	4:00 pm
SCIENTIFIC SYMPOSIA			
<u>Sunday, May 21</u>			
A79	Impact Of Smoking On Lung Function: Biological Mechanisms And Therapeutic Implications	1:30 pm	4:15 pm

THE ATS ASSEMBLY ON RESPIRATORY STRUCTURE AND FUNCTION
ATS 2006 · SAN DIEGO SESSIONS CONT'D

SCIENTIFIC SYMPOSIA CONT'D

Monday, May 22

B9	Diaphragm Weakness In Inflammatory Disease: Cellular Mechanisms And Potential Interventions	8:15 am	11:00 am
B10	Molecular Basis Of Lung Morphogenesis	8:15 am	11:00 am
B79	Intracellular Or Extracellular Strategies For Controlling Asthma/COPD Remodeling: Which Is Best?	1:30 pm	4:15 pm

Tuesday, May 23

C5	Redefining COPD At The Genetic Level: Lung Function And CT Scanning Are Only The Tip Of The Iceberg	8:15 am	11:00 am
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Wednesday, May 24

D5	New Insights Into The Process Of Repair, Regeneration And Remodeling Of Diseased Lungs	8:15 am	11:00 am
D6	Acute Lung Injury: Pathophysiologic Insights From Structural And Functional Lung Imaging	8:15 am	11:00 am

MEET THE PROFESSOR SEMINARS

Sunday, May 21

MP420	In Vitro Culture Techniques To Assess Airway Remodeling And Function	12:00 pm	1:00 pm
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Monday, May 22

MP519	Surfactant Deactivation, Altered Alveolar Mechanics And Ventilator Induced Lung Injury (VILI)	12:00 pm	1:00 pm
MP520	Respiratory Acoustics: Advances Beyond The Stethoscope	12:00 pm	1:00 pm

Tuesday, May 23

MP620	New Tools For Studying Gene Expression In The Lung	12:00 pm	1:00 pm
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SUNRISE SEMINARS

Monday, May 22

SS120	Exercise Induced Arterial Hypoxemia	7:00 am	8:00 am
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Tuesday, May 23

SS220	How Will The New ATS/ERS Standards Effect Your Clinical PFT Laboratory?	7:00 am	8:00 am
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Wednesday, May 24

SS319	Understanding V/Q Mismatch: Bench To Bedside	7:00 am	8:00 am
SS320	Airway Remodeling: Does It Exist?	7:00 am	8:00 am

THE ATS ASSEMBLY ON RESPIRATORY STRUCTURE AND FUNCTION

ATS 2006 · SAN DIEGO SESSIONS CONT'D

MINI SYMPOSIA

Sunday, May 21

A18	Skeletal Muscle And COPD: From Molecules To Man	8:15 am	11:00 am
A19	Intracellular Regulation Of Contractile Filaments In Airway Smooth Muscle	8:15 am	11:00 am
A88	Clinical And Fundamental Mechanisms In Lam: New Advances	1:30 pm	4:15 pm
A89	Exercise Limitation In COPD: Assessment, Compounding Factors, And Interventions	1:30 pm	4:15 pm

Monday, May 22

B19	Airway Smooth Muscle In Airway Remodeling And Hyperresponsiveness	8:15 am	11:00 am
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Wednesday, May 24

D19	Imaging In Animal Models: Insights Into Pathogenesis Of Lung Disease	8:15 am	11:00 am
D89	Lung Injury: Causes And Consequences	1:30 pm	4:15 pm

POSTER DISCUSSION SESSIONS

Sunday, May 21

A29	Functional Imaging: Human Structure And Function	8:15 am	11:00 am
A98	Respiratory Muscle Function: Molecular Mechanisms	1:30 pm	4:15 pm
A99	Airway Smooth Muscle And The Extracellular Matrix In Airway Remodeling	1:30 pm	4:15 pm

Monday, May 22

B29	Assessment And Interpretation Of Pulmonary Function In Asthma And COPD	8:15 am	11:00 am
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Tuesday, May 23

C29	Acute Lung Injury: Biomarkers, Genes And Populations	8:15 am	11:00 am
C99	Intracellular Regulation Of Airway Smooth Muscle Contraction And Relaxation	1:30 pm	4:15 pm

Wednesday, May 24

D29	Airway Hyperresponsiveness: Mediators And Models	8:15 am	11:00 am
D99	Respiratory Mechanics In Man And Mouse	1:30 pm	4:15 pm

THEMATIC POSTER SESSIONS

Sunday, May 21

A138	Acute Lung Injury: Pathogenesis, Diagnosis And New Insights	8:15 am	4:15 pm
A139	Exercise Limitation In COPD: Predictors, Physiology, And Interventions	8:15 am	4:15 pm

THE ATS ASSEMBLY ON RESPIRATORY STRUCTURE AND FUNCTION ATS 2006 · SAN DIEGO SESSIONS CONT'D

THEMATIC POSTER SESSIONS CONT'D

Monday, May 22

B128	Airway Hyperresponsiveness: Mechanics And Imaging	8:15 am	4:15 pm
B129	COPD: Molecules, Muscles And Biomarkers	8:15 am	4:15 pm
B130	Airway Smooth Muscle: Cytokines, Chemokines And Secretion	8:15 am	4:15 pm
B131	Airway Receptors: Nerves And Smooth Muscle	8:15 am	4:15 pm

Tuesday, May 23

C146	Lung And Vascular Imaging: Physiological Consequences	8:15 am	4:15 pm
C147	Aerosols And Lung Disease: New Approaches	8:15 am	4:15 pm
C148	Airway Smooth Muscle: Proliferation, Growth And Migration	8:15 am	4:15 pm
C149	Airway Remodeling And Functional Consequences In Man And Mouse: Asthma And COPD	8:15 am	4:15 pm
C150	Hypoxia And Exercise Physiology	8:15 am	4:15 pm
C151	Ventilation-Perfusion Matching In Health And Disease	8:15 am	4:15 pm

Patients to Speak at Sixteen Designated ATS International Conference Symposia

The ATS Public Advisory Roundtable (ATS PAR) has selected patients to provide a patient perspective at sixteen of the 2006 ATS International Conference Symposia. This concept has worked exceptionally well within the format of the PAR Symposia for the last four years and at over 25 ATS symposia at the 2004 and 2005 International Conferences.

This is the third year that patient speakers will participate within the Assemblies' Symposia. The patients will make a five-minute presentation at the symposia to offer insight into their personal journeys; to address their diagnosis, treatment, and how the disease has dramatically altered their lifestyles, family, career and relationships. They will share their insight 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	B7	Genotypic and Phenotypic Predictors of Response to Asthma Therapy: What do NHLBI Clinical Research Studies Tell Us?	Monday, May 22 8:15-11:00 am
BS	A7	Respiratory Lung Health and the Family: The Influence of Family on Adherence, Disease Management, and Health Outcomes	Sunday, May 21 8:15-11:00 am

Patients to Speak at Sixteen Designated ATS International Conference Symposia Cont'd

ASSEMBLY	SESSION CODE	TITLE	DATE/TIME
BS	D9	Community Involvement in Pulmonary and Critical Care Research: What, Why and How?	Wednesday, May 24 8:15-11:00 am
CP	A2	Novel Outcomes for Novel Therapies in COPD	Sunday, May 21 8:15-11:00 am
CP	D2	Update in the Diagnosis and Management of Pulmonary Vasculitis	Wednesday, May 24 8:15-11:00 am
CC	B74	Genetic Influences on the Susceptibility To and Outcome of Critical Illness	Monday, May 22 1:30-4:15 pm
CC	C7	Clinical Studies in the Pediatric ICU: Update From the Pediatric Acute Lung Injury and Sepsis Investigator's (PALISI) Network	Tuesday, May 23 8:15-11:00 am
MTPI	C6	Diagnosis and Management of Nontuberculous Mycobacterial Infections - The New ATS Guidelines	Tuesday, May 23 8:15-11:00 am
NRSG	A8	Critical Care of the Geriatric Patient	Sunday, May 21 8:15-11:00 am
NRSG	B6	Biobehavioral Considerations in Prolonged Mechanical Ventilation	Monday, May 22 8:15-11:00 am
PED	A9	Primary Ciliary Dyskinesia: Not Just the Other Inherited Lung Disease	Sunday, May 21 8:15-11:00 am
PC	D75	Taking the Next Step, Improving Outcomes in Pulmonary Arterial Hypertension	Wednesday, May 24 1:30-4:15 pm
RCMB	B77	Evolving Concepts of Stem Cells and Lung Repair	Monday, May 22 1:30-4:15 pm
RCMB	D7	New Developments in the Genetics of Respiratory Disorders	Wednesday, May 24 8:15-11:00 am
RNS	D76	Sleep, Breathing and Metabolic Function	Wednesday, May 24 1:30-4:15 pm
RSF	A79	Impact of Smoking on Lung Function: Therapeutic Implications and Biological Mechanisms	Sunday, May 21 1:30-4:15 pm

ATS Public Advisory Roundtable (PAR) Symposium and Poster Session

ATS PAR Symposium

The ATS Public Advisory Roundtable (PAR) is pleased to announce the fifth ATS PAR Symposium to be presented at the ATS International Conference in San Diego on Monday, May 22nd from 8:15-11:00 a.m. The topic will be "COPD and Co-morbidities: Treating the Whole Patient" chaired by Sharon I. S. Rounds, M.D. and John W. Walsh. The program includes the following:

- COPD As A Systemic Condition - S. I. S. Rounds, M.D., Providence, RI
- Panel: Experience of Patients With COPD And Co-Morbidities - J. W. Walsh, Miami, FL
- COPD and Cardiovascular Disease - D. D. Sin, M.D., Vancouver, BC, Canada
- Obesity, Wasting and BODE Index - B. R. Celli, M.D., Boston, MA
- Skeletal Muscle Function in COPD - P. D. Wagner, M.D., La Jolla, CA
- COPD and Endocrine Issues: Diabetes - E. N. Schachter, M.D., New York, NY

ATS Public Advisory Roundtable (PAR) Symposium and Poster Session Cont'd

- Depression and Anxiety In COPD Patients - J.R. Curtis, M.D., M.P.H., Seattle, WA
- Session Summary - S. I. Rennard, M.D., Omaha, NE

ATS PAR Poster Session

The ATS PAR Annual Poster Session will be open from Sunday, May 21 until Wednesday, May 24, 2006 at the Center Terrace of the San Diego Convention Center. 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.

DOCUMENTS FORUM AT 2006 INTERNATIONAL CONFERENCE

On Sunday, May 21 from 7-9 PM, the Documents Editor, Holger Schunemann, MD and Documents Staff Judy Corn will lead a forum on Official Documents: what they are, how they're developed, and how they're peer reviewed, approved and disseminated. New Board-approved policy guidelines for document development and their impact on the Society will also be addressed. All Assembly leadership, current writing committee members, as well as individuals interested in serving on writing committees in the future are urged to attend this informative session. Participants will receive a packet of highly cited ATS documents and procedural guidelines.

ATS Documents Forum,
Sunday, May 21, from 7-9 PM, Randle Ballroom A/B, Hyatt

RESPIRATORY STRUCTURE AND FUNCTION ASSEMBLY MEMBERSHIP MEETING

MONDAY MAY 22ND 4:30-6:30PM
MANCHESTER GRAND HYATT
MADELEINE A-D (LEVEL 3)

PLEASE REMEMBER TO REGISTER FOR THE RSF ASSEMBLY DINNER TO BE HELD ON MONDAY MAY 22ND AT 6:30PM. THE DINNER HAS BEEN MADE POSSIBLE BY A GENEROUS GRANT FROM MERCK & CO., INC. PLEASE GO TO [HTTP://WWW.THORACIC.ORG/SECTIONS/ABOUT-ATS/ASSEMBLIES/RSF/NEWS/PAGES/ASSEMBLY-DINNER-AT-ATS-2006.HTML](http://www.thoracic.org/sections/about-ats/assemblies/rsf/news/pages/assembly-dinner-at-ats-2006.html) FOR MORE INFORMATION AND TO DOWNLOAD A REGISTRATION FORM OR CONTACT [RSF@THORACIC.ORG](mailto:rsf@thoracic.org) WITH ANY QUESTIONS